CODE- B

Name: _____ Sec: ____ Roll No.: ____

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST I: [2026-2027]
ACCOUNTANCY
CLASS: XI

Time: 1 ½ Hours **Maximum Marks: 40**

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General Instruction:
Read the following instructions very carefully and strictly follow them.
(i) This question paper consists of **17** questions. All questions are **compulsory.**
(ii) Question no. 1-10 are multiple choice questions. Each question carries **1** mark.
(iii)Question no. 11-12 are short answer type- I questions. Each question carries **3** marks.
(iv) Question no. 13-15 are long answer type-I questions. Each question carries **4** marks.
(v) Question no. 16-17 are long answer type -II questions. Each question carries **6** marks.

1. Which of the following transactions is not of financial character? 1

(A) Purchase of assets on credit
(B) Purchase of assets for cash
(C) Withdrawing money for proprietor from business
(D) Strike by employee

2. Cash discount is: 1

(A) Which is received at the time of making the payment
(B) Which is allowed at the time of sales of goods
(C) Which is received at the time of purchase of goods
(D) Which is received both at the time of making the payment and purchase of goods

3. Consider the following items: 1

i. Prepaid Salary ii. Accrued Interest (Receivable)

iii. Loan (Short term) iv. Bank Overdraft

Current Liability would include:

(A) i, ii, iii, iv (B) ii, iii, iv

(C) iv, iii, i (D) iii, iv

4. According to Dual Aspect Concept, the system of recording transaction is called: 1

(A) Double A/c System (B) Double Entry System

(C) Double Book System (D) All of the above

5. M/s Future Ltd. has invested ₹10,000 in the shares of Relicam Industries Ltd. current market value of these shares is ₹10,500. Accountant of Future Ltd. wants to show ₹10,500 as value of investment in the books of A/cs, which accounting convention restricts him from doing so? 1

(A) Full disclosure (B) Consistency

(C) Conservatism (D) Materiality

6. Income is measured on the basis of: 1

(A) Matching Concept (B) Consistency Concept

(C) Cost Concept (D) None of the above

7. Which equation is incorrect out of the following? 1

(A) Assets= Liabilities + Capital

(B) Capital= Assets – Liabilities

(C) Liabilities= Assets – Capital

(D) Assets= Liabilities - Capital

8. Due to following transactions, Accounting Equation will be: 1

(i) Commenced business with cash ₹4,00,000

(ii) Purchased goods on credit ₹1,75,000
(iii) Goods costing ₹1,00,000 sold at a profit of 20% for cash
(iv) Rent paid ₹5,000

(A) ₹4,90,000 (B) ₹5,90,000
(C) ₹4,40,000 (D) ₹3,40,000

9. On taking goods for personal use by the proprietor the A/c debited will be: 1

(A) Purchase A/c (B) Sales A/c
(C) Drawings A/c (D) Capital A/c

10. Assertion(A): Journal is a book of original entry in which transactions are recorded first of all, as and when they take place 1
Reason(R): Transactions are recorded in journal in chronological order.

(A) Both Assertion(A) and Reason(R) are true and Reason(R) is the correct explanation of Assertion(A)
(B) Both Assertion(A) and Reason(R) are true but Reason(R) is not the correct explanation of Assertion(A)
(C) Assertion(A) is true but Reason(R) is false
(D) Assertion(A) is false but Reason(R) is true

11. Prepare accounting equation from the following: 3
(a) Kunal started business with cash ₹2,50,000
(b) He paid commission ₹2,000
(c) He purchased furniture for cash ₹35,000

12. Prepare Sales book of M/s Deendayal from the following transactions: 3

Date	Particulars
2023	

June10	Sold to Sudha Furniture Company, Agra 2 Almirah's @₹2,000 each
June 12.	Sold to Meera mart for cash 10 Tables @₹1,000 each
June 25	Sold to Ravi Sharma, Delhi 2 Dining Tables @₹6,000 each

13. Explain the following terms: 4
    (a) Trade Receivables
    (b) Long- term Liability

14. Identify and state the concept/convention of given statement: 4
(i) According to this convention there should be a sufficient disclosure of information which is of material interest to the users of financial statement
(ii) According to this convention all anticipated losses should be recorded in the books of accounts but all anticipated gains should be ignored
(iii) This concept suggest that an event will not be recorded in the books of business unless it's effect can be measured in terms of money with the fair degree of accuracy
(iv) It is the concept for which the two sides of the Balance Sheet are always equal

15. Pass necessary journal entry for the following transactions: 4

Date	Particulars
2026 April 2. 10.	 purchase goods of the list price of ₹6,000 from Khanna Brothers less 15% trade discount and 2% cash discount and paid 40% price at the same time. Deposited cash ₹25,000 into Bank

16. Recording of transactions is not only the objective of accounting. 6
Explain this statement with suitable points.

17. (a) (i) Give one example of each of the following transaction: 6
(A) Increase in an asset and a capital
(B) Decrease in an asset and a capital

(ii) Prove that the accounting equation is satisfied in all the following transaction of Raja Ram:
(i) Started business with cash ₹1,20,000
(ii) Purchase a typewriter for cash of ₹8,000 for office use
(iii) Received ₹800 for commission
(iv) Withdraw for private use of ₹5,000 in cash

OR

(b) Prepare Accounting Equation from the following: 6
(i) Started business with cash ₹2,00,000
(ii) Purchased goods for cash ₹60,000 and on credit ₹1,50,000
(iii) Sold goods for cash costing ₹40,000 at a profit of 20% and on credit costing ₹72,000 at a profit of 25%
(iv) Paid for rent ₹5,000

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CODE-A

Name: _____ Sec: ____ Roll No.: ____

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST I: [2026-2027]
ACCOUNTANCY
CLASS: XI

Time: 1 ½ Hours **Maximum Marks: 40**

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(v) Question no. 16-17 are long answer type -II questions. Each question carries **6** marks.

1. Which of the following is not a business transaction: 1

(A) Withdrew ₹10,000 from business for personal use
(B) Proprietor withdrew ₹20,000 from the Bank A/c of the firm to pay the school fees of his son
(C) Proprietor withdrew ₹12,000 from his personal A/c to pay the school fees of his son
(D) Goods taken worth ₹3,000 for personal use

2. Trade discount is: 1

(A) Which is allowed at the time of receiving the payment
(B) Which is allowed at the time of sale of goods
(C) Which is allowed both at the time of receiving the payment and sale of goods
(D) Allowed in all of the above

3. Out of the following which is not an intangible asset: 1

(A) Patent (B) Investment
(C) Goodwill (D) Trademark

4. As per Income Tax Act, accounting period is: 1

(A) From 1st January to 31st December
(B) From 1st April to 31st March
(C) From 1st June to 31st July
(D) Diwali to Diwali

5. The owner of the firm records his medical expenses in the firm's income statement. Indicate the principle that is violated: 1

(A) Cost Concept (B) Prudence
(C) Full disclosure (D) Entity Concept

6. Omission of paise and showing the round figures in financial statement is based on: 1

(A) Convertasim Convention
(B) Consistency Concept
(C) Materiality Convention
(D) Money Measurement Concept

7. Which equation is correct out of the following: 1

(A) Assets= Liabilities-Capital
(B) Assets= Capital- Liabilities
(C) Assets= Capital+ Liabilities
(D) Assets= Net Worth- Liabilities

8. As a result of the following transactions the total of accounting equation will be: 1

(i) Started business with cash ₹2,00,000
(ii) Purchased furniture ₹25,000
(iii) Purchased goods on credit ₹60,000

(A) ₹2,85,000 (B) ₹2,25,000
(C) ₹2,35,000 (D) ₹2,60,000

9. Goods sold to Mr. Dhoni for cash will be debited to: 1

(A) Dhoni's A/c (B) Sales A/c
(C) Goods A/c (D) Cash A/c

10. Assertion(A): A journal records both the debit and credit aspects of a transaction 1
Reason(R): Transaction are recorded in journal according to the double entry system of book-keeping

(A) Both Assertion(A) and Reason(R) are true and Reason(R) is the correct explanation of Assertion(A)
(B) Both Assertion(A) and Reason(R) are true but Reason(R) is not the correct explanation of Assertion(A)
(C) Assertion(A) is true but Reason(R) is false
(D) Assertion(A) is false but Reason(R) is true

11. Prepare Accounting Equation on the basis of the following transactions: 3
(a) Started business with cash ₹70,000
(b) Credit purchase of goods ₹18,000
(c) Purchase of machinery for cash ₹20,000

12. Prepare the purchase book of M/s Shiv Stationers from the following: 3

Date	Particulars
2020 June 1.	 Purchased from Gagan Stationery Mart on credit (i) 70 dozen pencils @₹25 per dozen (ii) 10 dozen registers @₹15 per register
June 10.	Purchased from Rehman Bros. on credit 5 reams of white paper @₹50 per ream

13. Explain the following terms: 4
    (a) Trade Payables
    (b) Current Assets

14. Identify and state the concept/convention of given statement: 4
(i) This convention suggests that items having an insignificant effect to the users need not to be disclosed.
(ii) As per this concept we record fixed assets at their original cost.
(iii) This concept states that accounting principles should not be changed year to year in order to draw important conclusion about the working of the enterprise.
(iv) According to this concept, business is treated as a unit separate and distinct from its owners, creditors, managers and others.

15. Give Journal Entries for the following transactions in the books of Raja Ram & Co.: 4

Date	Particulars
2023 March	
3.	Bought goods for cash of the list price of ₹80,000 at 10% trade discount and 2.5% cash discount.
5.	Sold goods for cash of the list price of ₹1,00,000 at 15% trade discount and 3% cash discount.

16. Distinguish between Book-keeping and Accounting on the basis of following: 6

(a) Stage (b) Objective (c) Nature of job

(d) Who performs (e) Knowledge level (f) Analytical Skill

17. (a) (i) Give one example of each of the following transaction: 6

(A) Increase in an asset and a liability

(B) Decrease in an asset and a liability

(ii) Prepare accounting equation from the following:

(a) Started business with cash ₹75,000 and goods ₹25,000

(b) Pain for rent ₹2,000

(c) Bought goods for cash ₹30,000 and for credit ₹44,000

OR

(b) Show the effect of the following on the accounting equation: 6

(i) Harish started business with cash ₹1,80,000

(ii) Purchase goods for cash ₹60,000 and on credit ₹30,000

(iii) Sold goods for cash ₹40,000; costing ₹24,000

(iv) Rent paid ₹5,000; rent outstanding ₹2,000

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Name:_____Sec:_____ Roll No:____

CODE-A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST :1 [2026-27]
BIOLOGY
CLASS : XI

Time: 1 ½ Hours **Maximum Marks : 40**

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General instructions:

1. This question paper consists of 18 questions in 5 sections.
2. All questions are compulsory.
3. Section A consists of 08 objective type questions carrying 1 mark each.
4. Section B consists of 03 very short answer type questions carrying 2 marks each.
5. Section C consists of 04 short answer type questions carrying 3 marks each.
6. Section D consists of 01 Source Based or Case Based unit of assessment of 4 marks with sub-parts.
7. Section E consists of 02 long answer type question carrying 5 marks each.

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SECTION – A

1. Scientific names of animals are based on- 1
   a. ICBN
   b. ICZN
   c. IBCN
   d. IZCN

2. Match the following: 1

i.	Kingdom	A.	Arthropoda
ii.	Phylum	B.	indica
iii.	Family	C.	Monera
iv.	Species	D.	Poaceae

   a. i.A ,ii.D ,iii.B ,iv.C
   b. i.C ,ii.D ,iii.A ,iv.B
   c. i.C ,ii.A ,iii.D ,iv.B
   d. i.B ,ii.A ,iii.D ,iv.C

3. Which of the following is a flagellated protozoan? 1
   a. *Plasmodium*
   b. *Paramecium*
   c. *Trypanosoma*
   d. *Entamoeba*
4. "*Contagium vivum fluidum* " about viruses was inferred by- 1
   a. D. J. Ivanowsky
   b. W. M. Stanley
   c. M.W.Beijerinek
   d. Linnaeus
5. Which of the following possess vascular tissues? 1
   a. *Sphagnum*
   b. *Gracilaria*
   c. Kelps
   d. Ferns

Question No. 6 to 8 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

a. Both A and R are true and R is the correct explanation of A.
b. Both A and R are true and R is not the correct explanation of A.
c. A is true but R is false.
d. A is False but R is true.

6. Assertion: Complexity of classification increases from kingdom to species. 1
   Reason: Common characters increase from kingdom to species.
7. Assertion: Viroids are smaller than viruses. 1
   Reason: It causes potato spindle tuber disease.
8. Assertion: *Cycas* has coralloid roots. 1
   Reason: These roots help in iron fixation.

SECTION B

9. What is systematics? Name Linnaeus's publication in this regard. 2
10. Name two components of lichens with their contribution in the symbiotic relationship. 2
11. Why are Bryophytes called "amphibians of the plant kingdom"? 2

SECTION C

12. Why was the two kingdom classification proposed by Linnaues, found inadequate? 3

13. Differentiate between the kingdoms Protista and Animalia in a tabular form. 3

14. Name the following: 3
    a. Smallest angiosperm.
    b. The division of Plantae that has naked ovules and seeds.
    c. *Funaria* falls under which plant division?

15. How does sexual reproduction take place in bryophytes? 3

SECTION D

Q.no. 16 is case based or source based unit of assessments of 04 marks with sub-parts (internal choice have been provided in one of the sub-parts).

16. Fungi is a cosmopolitan kingdom of organisms that are found almost everywhere. They prefer to grow in warm and humid places. Their mode of nutrition is either parasitic or saprophytic. The morphology of the mycelium, mode of spore formation and fruiting bodies form the basis of division of the kingdom into various classes like- Phycomycetes, Ascomycetes, Basidiomycetes and Deuteromycetes. 4
    a. Name the non-motile asexual spores of Phycomycetes.
    b. What is the nature of the hyphae in organisms belonging to Basidiomycetes.
    c. Why are Deuteromycetes called imperfect fungi?

    OR

    c. What are the steps in the sexual cycle of fungi?

SECTION E

17. a. How are heterotrophic bacteria useful to humans? 5
    b. Point out the uses of diatomaceous earth.
    c. Name the dinoflagellate that causes red tides.

18. Differentiate between the three classes of algae in a tabular form. 5

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Name:_____ Sec:____ Roll No:____

CODE-B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST :1 [2026-27]
BIOLOGY
CLASS : XI

Time: 1 ½ Hours **Maximum Marks : 40**

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7. Section E consists of 02 long answer type question carrying 5 marks each.

==========

SECTION – A

1. Scientific names of plants are based on- 1
   a. ICBN
   b. ICZN
   c. IBCN
   d. IZCN

2. Match the following: 1

i.	Kingdom	A.	Chordata
ii.	Phylum	*B. sapiens*	
iii.	Family	C.	Protista
iv.	Species	D.	Muscidae

   a. i.A ,ii.D ,iii.B ,iv.C
   b. i.C ,ii.D ,iii.A ,iv.B
   c. i.C ,ii.A ,iii.D ,iv.B
   d. i.B ,ii.A ,iii.D ,iv.C

3. Which of the following is a sporozoan protozoa? 1
   a. Plasmodium
   b. Paramecium
   c. Trypanosoma
   d. *Entamoeba*
4. The name virus was coined by- 1
   a. W. M. Stanley
   b. M.W.Beijerinek
   c. D. J. Ivanowsky
   d. Linnaeus
5. Which of the following possess vascular tissues? 1
   a. Chlorophyceae
   b. Liverworts
   c. Mosses
   d. Lycopsida

Question No. 6 to 8 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

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   Reason: Common characters increase from kingdom to species.
7. Assertion: Viroids are smaller than viruses. 1
   Reason: It is a low molecular weight RNA.
8. Assertion: *Cycas* has coralloid roots. 1
   Reason: These roots help in phosphate fixation.

SECTION B

9. Mention the universal rules of writing binomial nomenclature. 2
10. Name two components of lichens with their contribution in the symbiotic relationship. 2
11. Identify two ecological importances of Bryophytes. 2

SECTION C

12. Why was the two kingdom classification proposed by Linnaues, found inadequate? 3

13. Differentiate between the kingdoms Monera and Protista in a tabular form. 3

14. Name the following: 3
    a. Smallest angiosperm.
    b. The biflagellate male gametes of bryophytes.
    c. *Equisetum* falls under which plant division?

15. How does sexual reproduction take place in bryophytes? 3

SECTION D

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    a. Name the non-motile asexual spores of Phycomycetes.
    b. What is the nature of the hyphae in organisms belonging to Basidiomycetes.
    c. Why are Deuteromycetes called imperfect fungi?

    OR

    c. What are the steps in the sexual cycle of fungi?

SECTION E

17. a. How are heterotrophic bacteria useful to humans? 5
    b. Point out the uses of diatomaceous earth.
    c. Name the dinoflagellate that causes red tides.

18. Differentiate between the three classes of algae in a tabular form. 5

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Name: _____ Sec: ___ Roll No.: ____

CODE-A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I : [2026-2027]
BUSINESS STUDIES
CLASS: XI

Time: 1 Hour 30 minutes **Maximum Marks: 40**

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General Instruction:

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5. Answer to Question number **11-12** carrying **3** marks may be from 50 to 75 words.
6. Answer to Question number **13-15** carrying **4** marks may be in about 150 words.
7. Answer to Question number **16-17** carrying **6** marks may be in about 200 words.
8. Attempt all parts of a question together.

==========

1. Which one of the following is NOT the objective of the business? 1

   A. Investment B. Innovation

   C. Creation of customers D. Profit-making

2. Which one of the following is an economic activity in which specialised knowledge is required? 1

   A. Profession B. Business

   C. Employment D. None of the above

3. Why a business should earn a profit? 1

A. To provide a return to investors

B. To increase the reputation of the business

C. To provide funds for future growth

D. All of the above

4. The occupation in which people work for others and get remunerated in return is known as: 1

A. Profession B. Employment

C. Business D. None of the above

5. The registration of these forms of business organisations is compulsory. 1

(A) Sole proprietorship and partnership

(B) Limited partnership and public company

(C) Both option a and b

(D) None of the above

6. Which clause of Memorandum defines powers and limitations of a company ? 1

(A) Name clause (B) Liabilities clause

(C) Objective clause (D) Domicile clause

7. A Statement in lieu of prospectus may be issued by 1

(A) Public company

(B) Private company

(C) Both public and private company

(D) None of the above

8. Read the Statement :- Assertion and Reason choose one of the alteranatives given below. 1

Assertion :- (A) Board of Director exercise direct control over the business.

Reason(R): Board of Director are the owners of the company.

Alternatives.

(A) Both Assertion (A) and Reason (R) are true and Reason(R) is the correct explanation of Assertion (A).

(B) Both assertion (A) and Reason(R) are true but Reason (R) is not the correct explanation of assertion (A).

(C) Assertion (A) is true, but Reason (R) is false.

(D) Assertion (A) is false, but Reason (R) is true

9. Read the statement carefully and choose the correct alternative from the following:- 1

Statement I: A partnership firm can have maximum of 60 partners.

Statement II: Normal partners activity participates in the management of business.

Alternatives:-

(A) Both the statement are true.

(B) Both the statement are false.

(C) Statement I is true and statement II is false.

(D) Statement II is true and statement I is false.

10. Match the statements given below under A with the correct options given under B. 1

(A)	(B)
(a) Life insurance corporation.	(1) Statutory corporation
(b) Public sector enterprise.	(2) Operates globally
(c) Multinational company	(3) Owned by government

Codes

	A	B	C
(A)	1	3	2
(C)	3	2	1

	A	B	C
(B)	2	3	1
(D)	1	2	1

11. Tripti is a well- known cardiologist of her town. Identify the types of economic activity highlighted in the given case and state two charecteristics also. 3

12. State with reason whether the following statements are TRUE or FALSE 3

(i) The ownership[and management is in two different hands in case of Joint Stock Company.

(ii) In case of 'limited partnership' all the partners have limited liability.

(iii) Registration is compulsory in case of Sole proprietorship.

13. 'India Railway' is a part of Railway Ministry. It is organised, financed and controlled by Railway Ministry. The finances are allocated from government treasury and what even revenue it earns is deposited to government treasury only. It is treated as a part of government and even the appointment, recruitment and selection of employees is done in the same way as that of civil servant. 4

(i) Name the type of public sector enterprise railway is considered as.

(ii) What is the status of employees working in railways?

(iii) How does it get its finance?

(iv) What does it do with its revenue?

14. (a) PRABHAKAR and RANJIT are manufacturing leather belts and wallets. Both of them share profit and losses 3:2. PRABHAKAR has invested a capital of Rs 10 lakhs, while RANJIT has invested Rs 7 lakhs in the business. Identify the forms of business organisation in which both of them have promoted their business. Also, state any three features of this form of business organisation. 4

OR

(b) Adharika Limited, a famous group of promoters, gets a contract of promoting a toy manufacturing company. Discuss in brief the steps which are required to be followed to form a toy manufacturing company

15. Distinguish between Memorandum of Association and Articles of Association.? 4

16. (a) (i) Define Public corporation. Write three features. 6
(ii) Write two disadvantages of Public corporation.

OR

(b) (i) Define government company. Write three features.
(ii) write two disadvantages of government company.

17. Why is commerce considered as the backbone of industry and other business Activities? Explain any six points. 6

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Name: _____ Sec: ____ Roll No.: ____

CODE :B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I : [2026-2027]
BUSINESS STUDIES (054)
CLASS: XI

Time: 1 Hour 30 minutes **Maximum Marks: 40**

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General Instruction:

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6. Answer to Question number **13-15** carrying **4** marks may be in about 150 words.
7. Answer to Question number **16-17** carrying **6** marks may be in about 200 words.
8. Attempt all parts of a question together.

1. The auxiliary of trade help in creating time utility:- 1

   (A) Advertisement (B) Insurance

   (C) Transportation (D) Ware housing

2. The type of business Risk which involves only the possibility of loss or no loss is known as:- 1

   (A) Contingent risk (B) Speculative risk

   (C) Calculative risk (D) Pure risk

3. ABC Ltd. is charging very low price which is just covering their cost so that it can remain in competitive market.ABC Ltd. is achieving which organizational objective? 1

(A) Survival (B) Profit

(C) Growth (D) None of the above

4. "An entrepreneur dealing in fashionable items has a high degree of risk as compared to business involved in necessity goods as fashion keeps on charging and does not last long". Which nature of business risk is highlighted here? 1

(A) Business risk due to uncertainties.

(B) Degree of risk depends on nature and size of business.

(C) Risk is an essential part of every business.

(D) Profit is the reward of business.

5. Who is called Parent of company? 1

(A) Director. (B) Registrar.

(C)Promoter. (D) Shareholder.

6. If Karta dies then 1

(A) Joint Hindu Family Business comes to an end .

(B) Remaining members elect new Karta.

(C) Next senior most member becomes Karta.

(D) The business continues without Karta.

7. The relation between persons who have agreed to share profit of the business carried on by all any one of them acting for all. 1

(A) Sole proprietorship. (B) Partnership.

(C) Joint hindu family. (D) Cooperative society.

8. Read the Statement :- Assertion and Reason choose one of the alteranatives given below. 1

Assertion :- (A) Personal assets of the partners may be used to pay off business debts in case of insufficiency of business assets..

Reason(R): Partners of a firm have unlimited liability.
Alternatives.
(A) Both Assertion (A) and Reason (R) are true and Reason(R) is the correct explanation of Assertion (A).
(B) Both assertion (A) and Reason(R) are true but Reason (R) is not the correct explanation of assertion (A).
(C) Assertion (A) is true, but Reason (R) is false.
(D) Assertion (A) is false, but Reason (R) is true

9. Read the statement carefully and choose the correct alternative from the following:- 1
Statement I: A sole proprietorship has no separate legal entity.
Statement II: It is very difficult to start or close down sole proprietorship.
Alternatives:-
(A) Both the statement are true.
(B) Both the statement are false.
(C) Statement I is true and statement II is false.
(D) Statement II is true and statement I is false.

10. Match the statements given below under A with the correct options given under B. 1

(A)	(B)
(A) Post and Telegraph	(1) Public sector enterprise.
(B) Steel Authority of India ltd.	(2) Private sector enterprise.
(C) Reliance Industrial ltd.	(3) Government company
(D) Indian Railways	(4) Departmental company

Codes

	A	B	C	D
(A)	4	3	2	1
(C)	4	1	3	2

	A	B	C	D
(B)	4	1	2	3
(D)	3	1	2	4

11. Swati is a well- known Gynocologist of her town. Identify the types of economic activity highlighted in the given case and state two features also. 3

12. State with reason whether the following statements are TRUE or FALSE. 3

(i) A minor cannot become a member of the Hindu Undivided Family Business.

(ii) Registration is compulsory in case of Cooperative Society.

(iii) The liability of all the partners in a partnership firm is limited to the extent of their share

13. 'India Railway' is a part of Railway Ministry. It is organised, financed and controlled by Railway Ministry. The finances are allocated from government treasury and what even revenue it earns is deposited to government treasury only. It is treated as a part of government and even the appointment, recruitment and selection of employees is done in the same way as that of civil servant. 4

(i) Name the type of public sector enterprise railway is considered as.

(ii) What is the status of employees working in railways?

(iii) How does it get its finance?

(iv) What does it do with its revenue?

14. (a) MOHIT and SUMIT are manufacturing leather belts and wallets. Both of them share profit and losses 3:2. MOHIT has invested a capital of Rs 10 lakhs, while SUMIT has invested Rs 7 lakhs in the business. Identify the forms of business organisation in which both of them have promoted their business. Also, state any three features of this form of business organisation. 4

OR

(b) Srinika Limited, a famous group of promoters, gets a contract of promoting a toy manufacturing company. Discuss in brief the steps which are required to be followed to form a toy manufacturing company

15. Distinguish between Memorandum of Association and Articles of Association.? 4

16. (a) (i) Define Global Enterprises? Write three features. 6
(ii) Write two disadvantages of Global Enterprises?

OR

(b) (i) Define joint venture? What are the types of joint venture?
(ii) Write three advantages of joint venture?

17. (i) Define Business Risk. Give one example. 6
(ii) Explain any four causes of Business Risk?

****

Name :_____ Sec:_____ Roll No:_____

CODE:A

BURNPUR RIVERSIDE SCHOOL, BURNPUR

PERIODIC TEST 1: [2026– 2027]

CHEMISTRY

CLASS XI

Time Allowed: $1\frac{1}{2}$ Hrs. **Maximum Marks: 40**

==========

General Instructions:

i. There are 19 questions in all. All questions are compulsory.
ii. This question paper has five sections: Section - A, Section - B, Section - C, Section - D and Section - E
iii. Section - A contains 08 questions, 06 MCQ, s and 02 A/R of 1 mark each.
iv. Section - B contains 04 SA-I type questions of 2 marks each.
v. Section - C contains 05 SA-II type questions of 3 marks each.
vi. Section - D consist of 01 case-based question of 4 mark.
vii. Section - E consist of 01 LA - type question of 5 mark.

==========

SECTION – A

Select and write the most appropriate option out of the four options given for each of the questions 1 -5. There is no negative mark for incorrect response.

1. In one molal solution that contains 0.5 mole of solute, there are: 1
   (a) 1000 g of solvent
   (b) 500 ml of solvent
   (c) 500 g of solvent
   (d) 100 ml of solvent

2. Under similar conditions, oxygen and nitrogen are taken in the same vessel. The ratio of their volumes will be: 1
   (a) 7:8
   (b) 8:3
   (c) 6:5
   (d) 1:2

3. The electromagnetic wave with maximum wavelength is: 1
   (a) Ultraviolet
   (b) Radio wave
   (c) X-ray
   (d) Gamma ray

4. If helium atom and hydrogen molecule are moving with the same velocity, their wavelength ratio will be: 1
   (a) 1:1
   (b) 1:2
   (c) 2:1
   (d) 1:4

5. Which of the following elements has least ionization enthalpy? 1
   (a) O
   (b) F
   (c) Ne
   (d) Na

6. The smallest ion among the following is: 1
   (a) Na^{+}
   (b) Al^{3+}
   (c) Mg^{2+}
   (d) Si^{4+}

Question No. 7 and 8 consists of two statements – Assertion (A) and Reason (R). Answer the questions selecting the appropriate options given below:

(a) Both A and R are true, and R is the correct explanation of A.
(b) Both A and R are true, and R is not the correct explanation of A.
(c) A is true but R is false.
(d) A is false but R is true.

7. **Assertion(A):** Molarity of a solution does not depend upon temperature whereas molality depends. 1
   Reason(R): Molarity of the solution is related to the volume of the solution whereas molality is linked with mass of the solution.

8. **Assertion(A):** Electronegativity of the elements has no specific units. 1
   Reason(R): Electronegativity of an element is only the relative electron attracting tendency of its atom for a shared pair in a bond.

SECTION – B

9. State the number of significant figures in the following numbers:
   (a) 62.4
   (b) 0.050 2

10. State the law of multiple proportions with a suitable example. 2

OR

What is the number of molecules of CO_2 which contain 8 g of O_2?(Molar mass of CO_2= 44g/mol and O_2= 32g/mol)

11. Chlorophyll present in green leaves of plants absorbs light of 4.60×10^{14} Hz. Calculate the wavelength of radiation and mention which part of the electromagnetic spectrum does it belong to. 2

12. Among the elements B, Al, C and Si: 2
   (a) Which element has highest first ionization enthalpy?
   (b) Which element has the most metallic character?

SECTION-C

13. Determine the empirical formula of an oxide of iron which has 69.9% iron and 30.1% oxygen by mass.
(Atomic mass of Fe = 56u, O = 16u) 3

14. Commercially available concentrated hydrochloric acid contains 38% HCl by mass. What is the polarity of the solution If it's density is $2.5 g/cm^{-3}$?
(Molar mass of HCl = 36.5 g/mol) 3

15. (a) How many electrons can be filled in an atomic orbital with n+l = 5? 3
   (b) State Pauli's Exclusion Principle.
   (c) The ion of an element has configuration [Ar] $3d^4$ in +3 oxidation state. What will be the electronic configuration of its atom?

16. (a) The Balmer series in the hydrogen spectrum corresponds to transitions ending at $n_1 = 2$ to $n_{2=}3, 4,\ldots$. This series lies in the 3
   (b) visible region Calculate the wave number of line associated with the transition in Balmer series when the electron moves to n=4 orbit. ($R_H = 109677\ cm^{-1}$)

17. (a) Consider the following species:
N^{3-}, O^{2-}, F^{-}, Mg^{2+}, Al^{3+}

(i) What is common in them? 3

(ii) Arrange them in increasing order of ionic radii.

(b) Predict the formula of the stable binary compound formed by the combination of magnesium and nitrogen.

OR

(a) Assign the position (Period and Group) of the element having outer electronic configuration $ns^2\ np^4$.

(b) Arrange the elements Na, P, O and S in the order of increasing first ionization enthalpy.

SECTION-D

Question no. 18 is case based / source-based questions with 3 sub parts. Internal choice is provided in one of these sub parts.

18. Electron gain enthalpy provides a measure of the ease with which an atom adds an electron to form an anion. Depending on the element the process of adding an electron to the atom can be either endothermic or exothermic. 4

(a) Among the elements B, Al, C and Si which has the most negative electron gain enthalpy?

(b) Write one difference between electronegativity and electron gain enthalpy.

(c) Which of the following pairs of elements has lesser electron gain enthalpy? F or Cl. Explain your answer.

OR

Explain why electronegativity of elements increases on moving from left to right in the periodic table.

SECTION-E

19. (a) Find the wavelength of a 100g particle moving with a velocity of 100 ms^{-1}. (Given ,h=6.626 X 10^{-34} J.S) 5

(b) Write electronic configuration of $_{24}Cr$ and state all the four quantum numbers for 19^{th} electron of $_{24}Cr$.

OR

(a) What is Hund's rule of maximum spin multiplicity?
(b) What is the number of radial and angular nodes in 4d orbitals?
(c) What will happen to the wavelength associated with a moving particle if its velocity is doubled?

****

Name:_____ Sec:_____ Roll No:_____

CODE: B

BURNPUR RIVERSIDE SCHOOL,BURNPUR

PERIODIC TEST :1 [2026-2027]

CHEMISTRY

CLASS: XI

Time Allowed: 1 ½ Hours **Maximum Marks: 40**

==========

General instructions:-

- *All questions are compulsory.*
- *Section-A consists of 6 MCQs and 2 Assertion-Reasoning type questions carrying 1 mark each.*
- *Section-B consists of 4 Short Answer type-I questions carrying 2 marks each.*
- *Section-C cosists of 5 Short Answer type-II questions carrying 3 marks each.*
- *Section-D consists of 1 Case/source based question carrying 4 marks .*
- *Section -E consists of 1 Long answer type questions carrying 5 marks.*

==========

SECTION-A

1 Which of the following term has unit ? 1

a) Molality
b) Mole fraction
c) Volume percent
d) Mass percent

2 What will be the molarity of a solution, which contains 5.85 g of NaCl per 500 mL? (Molar mass of NaCl = 58.5 g) 1

a) 4 M b) 20 M c) 0.2 M d) 2 M

3 When an electron jumps from n = 5 to n = 2, which series of hydrogen spectrum does it belong? 1

a) Lyman
b) Balmer
c) Paschen
d) Brackett

4 Which of the following is responsible to rule out the existence of definite path of electrons? 1

a) Pauli's exclusion principle.
b) Heisenberg's uncertainty principle
c) Hund's rule of maximum multiplicity
d) Aufbau principle

5 In the modern periodic table, the period indicates the value of: 1

a) Atomic number
b) Atomic mass
c) Principal quantum number
d) Azimuthal quantum number

6 The element with positive electron gain enthalpy is : 1

a) Hydrogen
b) Sodium
c) Oxygen
d) Neon

In the following questions, two statements are given - one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:
a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true, but R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true.

7	**Assertion**: Pure water from different sources always contain hydrogen and oxygen in the ratio of 1 : 8 by mass. **Reason** : Total mass of reactants and products during a chemical change is always the same.	1
8	**Assertion** : First ionization enthalpy of N is greater than O. **Reason** : N-atom has more stable half filled p-orbitals.	1

SECTION-B

9	How many significant figures are present in :- i) 0.0025 ii) 600.0	2
10	**A.** Calculate the number of molecules present in 22 g of CO_2 . (atomic mass of C =12u , O = 16 u)	2
	OR	
	B. Calculate the mass of one atom of C-12 in gram ?	
11	a) Write the electronic configuration of Cr atom (atomic no. = 24). b) Why are half filled orbitals more stable ?	2
12	Assign the position of the element having outer electronic configuration :- i) ns^2np^2 for n = 3 ii) $(n-1)d^2\,ns^2$ for n = 4	2

SECTION-C

13	If two elements can combine to form more than one compound, the mass of one element that combine with a fixed mass of the other element are in whole number ratio. a) Is this statement true ? b) If yes, according to which law ? c) Give one example related to this law.	3

14 In the reaction $2A + 4B \rightarrow 3C + 4D$, when 5 mole of A react with 6 mole of B, then :- 3
i) Which is the limiting reagent ?
ii) Calculate the amount of C formed.

15 A 100 watt bulb emits light of wavelength 6000 nm. Calculate the number of photons emitted by the bulb per second. ($h = 6.626 \times 10^{-34}$ J-s) 3

16 a) Define Pauli's exclusion principle. 3
b) List two main differences between orbit and orbital.

17 **A.** i) Which is largest in size :- Cu^+ , Cu^{2+} or Cu and why ? 3
ii) Which element in the periodic table has highest ionization energy ?
iii) Which element is more metallic – Mg or Al and why ?

OR

B. Among the elements of 2nd period Li to Ne, pick out element :
i) With highest first ionization energy.
ii) With highest electronegativity.
iii) most reactive non-metal.

SECTION-D

18 **Read the following paragraph and answer the following questions:** 4

About 118 elements are known which have been placed in 18 groups and 7 periods. The properties such as atomic radius, ionisation enthalpy, electron gain enthalpy etc. depend upon the electronic configuration of the element.

I. Which block contains metals, non-metals as well as metalloids
II. Why the ionic radius of Ca^{2+} ion is smaller than that of K^+.
III. On the basis of quantum numbers, justify that the 6th period of the periodic table should have 32 elements.

OR

III. What are the two factors due to which the ionisation enthalpy of elements tends to decrease down the group

SECTION-E

19 **A**. a) Can we apply Heisenberg's uncertainity principle to stationary microscopic particle ? Explain. 5

b) Give the designation of orbital when

i) n = 2, l = 0
ii) n = 3, l = 2
iii) n =5, l = 1

OR

B. a) What is the ratio of wavelengths associated with N_2 and CO moving with same velocity ? (atomic mass of N = 14u, C= 12u, O = 16u)

b) How many radial nodes will be present in 2s , 3p and 4d orbit als ?

****

Name _____Sec ___Roll No.___

CODE: A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I : [2026-2027]
COMPUTER SCIENCE (083)
CLASS-XI

Time: 1 ½ Hrs. **Maximum Marks:40**

==========

General Instructions:

- *The question paper is divided into 3 sections – A, B, C, D and E.*
- *Section-A, consists of 12 questions (1-12). Each question carries 1 mark.*
- *Section-B, consists of 05 questions (13-17). Each question carries 2 marks.*
- *Section-C, consists of 03 questions (18-20). Each question carries 3 marks.*
- *Section-D, consists of 1 question (21) of 4 marks.*
- *Section-E, consists of 1 question (22) of 5 marks.*

==========

SECTION-A

Each question carries 1 marks

1. State **TRUE** or **FALSE**: [1]

   'A mobile system also contains a CPU.'

2. Which of the following operators has the lowest precedence? [1]

   a. not b. % c. and d. **

3. Which of the following are literals? [1]

   a. brs b. "INDIA" c. Both (a) & (b) d. none

4. Python code can run on a variety of platforms, it means Python is a ____ language. [1]

   a. independent b. cross-platform c. graphical d. none

5. What will the following code produce? [1]

```
a, b = 9.3, 3
print (a // b)
```

6. ASCII code is a 7 bit code for ____. [1]

   a. letters b. numbers c. other symbols d. all of these

7. Which of the following is a valid identifier? [1]
   a. my school b. my-school c. _myschool d. none
8. Expand EPROM. [1]
9. The result of the expression **6 or 12**? [1]
   a. 9 b. 7 c. 6 d. 12
10. If you convert $(13)_{10}$ to its binary equivalent, then what will be the output? [1]

Q11 and 12 are ASSERTION AND REASONING based questions. Mark the correct choice as:

(a) Both A and R are true and R is the correct explanation of A.
(b) Both A and R are true but R is not the correct explanation of A.
(c) A is True but R is false (or partly true).
(d) A is false (or partly true) but R is true.
(e) Both A and R are False or not fully true.

11. **Assertion (A)**: The primary memory is volatile memory as all its contents get erased as soon as the power goes off. [1]
    Reasoning (R): The cache memory is also a primary memory.

12. **Assertion (A)**: Syntax errors are the violations of grammatical rules of a programming language. [1]
    Reasoning (R): The syntax errors can be easily caught by the Python interpreter.

SECTION–B

Each question carries 2 marks

13. Give two disadvantages of Python programming language. [2]
14. Convert 610_{10} to hexadecimal. *(Working must be shown)* [2]
15. Write a program to input a decimal number and print it. [2]
16. What is the difference between RAM and ROM? [2]
17. What will be the output produced by these? [2]

    (i) 26.0 % 4
    (ii) 26 // 4
    (iii) 26.0 / 4
    (iv) 26.0 // 4

SECTION-C
Each question carries 3 marks

18. What is application software? Why is it required? [3]

19. a. Give full form of ASCII. (1) [3]
    b. Convert $2C9_{16}$ to decimal. *(working must be shown)* (2)

20. What will be returned by Python as result of following statements? [3]

    i. >>>type(0)
    ii. >>>type('0')
    iii. >>>type(3/2)

SECTION-D
Each question carries 4 marks

21. Which of the following expressions will not yield an **integer** type value as its output? [4]

(i) 5 * 2	(ii) 5 ** 2	(iii) '5' + '2'
(iv) '5' * 2	(v) 5 / 2	(vi) 5 // 2
(vii) 5 % 2	(viii) 5 + 2.0	

SECTION-E
Each question carries 5 marks

22. a. Covert $(455)_8$ into decimal equivalent. (2.5) [5]
    b. Covert $(6BD)_{16}$ into decimal equivalent. (2.5)

==========

Name: _____ Sec: ___Roll No.: ___

CODE: B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I : [2026-2027]
COMPUTER SCIENCE (083)
CLASS-XI

Time: 1 ½ Hrs. **Maximum Marks:40**

==========

General Instructions:

- *The question paper is divided into 3 sections – A, B, C, D and E.*
- *Section-A, consists of 12 questions (1-12). Each question carries 1 mark.*
- *Section-B, consists of 05 questions (13-17). Each question carries 2 marks.*
- *Section-C, consists of 03 questions (18-20). Each question carries 3 marks.*
- *Section-D, consists of 1 question (21) of 4 marks.*
- *Section-E, consists of 1 question (22) of 5 marks.*

==========

SECTION-A

Each question carries 1 marks

1. State **TRUE** or **FALSE**: [1]
   'A mobile system has its own little power unit.'
2. What will be the value of y after following code fragment is executed? [1]

```
x = 10.0
y = (x < 100.0) and x >= 10
```

   a. True b. 110 c. False d. Error
3. Which of the following is/are literal(s)? [1]
   a. "12345" b. school c. Both (a) & (b) d. none
4. To print the value of a variable, Python uses: [1]
   a. Print statement b. print statement
   c. Print( ) function d. print( ) function
5. What will the following code produce? [1]

```
a, b = 10.5, 5
print (a // b)
```

6. The hexadecimal digits are 0 to 9 and A to ____. [1]
   a. D b. Z c. F d. G
7. Which of the following is not a valid identifier? [1]
   a. myschool b. my-school c. _myschool d. none
8. Expand EEPROM. [1]

9. The result of the expression **12 or 6**? [1]
   a. 9 b. 7 c. 6 d. 12

10. If you convert $(14)_{10}$ to its binary equivalent, then what will be the output? [1]

Q11 and 12 are ASSERTION AND REASONING based questions. Mark the correct choice as:

(a) Both A and R are true and R is the correct explanation of A.
(b) Both A and R are true but R is not the correct explanation of A.
(c) A is True but R is false (or partly true).
(d) A is false (or partly true) but R is true.
(e) Both A and R are False or not fully true.

11. **Assertion (A)**: Not all types of software are system software. [1]
    Reasoning (R): Application software are designed to carry out operations for a specific application.

12. **Assertion (A)**: Mutability means that the values can be changed in place. [1]
    Reasoning (R): Immutable types mean that their values cannot be changed in place.

SECTION–B
Each question carries 2 marks

13. In Python, one can work in two different ways. Name them. [2]
14. Convert 610_{10} to Octal. *(Working must be shown)* [2]
15. Write a program to input your name and print it. [2]
16. Differentiate between System Software and Application Software. [2]
17. What will be the output produced by these? [2]

    (i) 14.0 / 4
    (ii) 14.0 // 4
    (iii) 14.0 % 4
    (iv) 14 // 4

SECTION-C
Each question carries 3 marks

18. Mention the main drawback of RAM memory. [3]

    Name the two basic types of RAM chips in a computer.

19. a. Give full form of ISCII. (1) [3]
b. Convert 423_{10} to hexadecimal. *(working must be shown)* (2)

20. What will be the output produced by the following codes: [3]

i. >>>str(print( )) + “one”
ii. >>>print(print(“brs”))
iii. >>>str(print(“hello”)) + “brsbnp”

SECTION-D
Each question carries 4 marks

21. Which of the following expressions will yield an **integer** type value as its output? [4]

(i)	5 * 2	(ii)	5 ** 2	(iii)	‘5’ + ‘2’
(iv)	‘5’ * 2	(v)	5 / 2	(vi)	5 // 2
(vii)	5 % 2	(viii)	5 + 2.0	(ix)	5.0 * 2.0

SECTION-E
Each question carries 5 marks

22. Convert the following into its decimal equivalents: (2.5+2.5) [5]
(a) $(714)_8$
(b) $(765)_{16}$

==========

Name: _____ Sec: ____ Roll No.: ____

CODE-A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-1: [2026-2027]
ECONOMICS (030)
CLASS: XI

Time: 1½ Hrs. **Maximum Marks: 40**

==========

General Instructions:

1) This paper contains 10 Multiple Choice Questions type questions of 1mark each.

2) This paper contains 2 Short Answer Questions type questions of 3 marks each to be answered in 60 to 80 words.

4) This paper contains 3 Short Answer Questions type questions of 4 marks is to be answered in 80 to 100 words

5) This paper contains 1 Long Answer Questions type questions and 1 case based question of 6 marks each to be answered in 100 to 150 words.

6) All questions are compulsory.

==========

1. In plural sense, which of the following is a characteristic of statistics? **1**

a. Numerically expressed
b. Collected in a systematic manner
c. Mutually related and comparable
d. All of these

2. _____ economics does not involve value judgement. **1**

a. Micro
b. Macro
c. Positive
d. Normative

3. From the set of statements given in column I and column II, choose the correct pair of statements: **1**

Column I	**Column II**
A. Primary Data	i. Not original
B. Secondary source of data	ii. Collection of data from its source of origin
C. Schedules	iii. Filled by the enumerators
D. Unpublished source of secondary Data	iv. Annual reports of RBI

Alternatives:-
a. A-(i)
b. B-(ii)
c. C-(iii)
d. D-(iv)

4. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below:- **1**
Assertion(A)- Market Economy is also called free economy.
Reason(R)- A free economy is operated with consideration of social welfare.

Alternatives:
a. Both Assertion (**A**) and Reason(**R**) are true and Reason(**R**) is the correct explanation of Assertion (**A**).
b. Both Assertion (**A**) and Reason(**R**)are true but Reason(**R**) is not the correct explanation of Assertion (**A**).
c. Assertion (**A**) is true but Reason (**R**) is false.
d. Assertion (**A**) is false but Reason(**R**) is true.

5. Read the following statements carefully. **1**
Statement 1: Sample method is suitable when the area of investigation is relatively small.
Statement 2: Reliability of sampling data depends on method of sampling.
In light of the given statements, choose the correct alternative from the following:

a. Statement 1 is true and Statement 2 is false
b. Statement 1 is false and Statement 2 is true
c. Both statements are true
d. Both statements are false

6. Identify the correct sequence of alternatives given in column II matching them with respective items in column I. **1**

Column I	**Column II**
A. Choice	i. High degree of consumer sovereignty
B. Positive statements	ii. Outcome of scarcity
C. Mixed Economy	iii. An economic activity
D. Consumption	iv. Verifiable for truth

Alternatives:-
a. A-(iv), B-(iii), C-(i), D-(ii)
b. A-(ii), B-(iv), C-(i), D-(iii)
c. A-(iv),B-(i), C-(ii), D-(iii)
d. A-(iii), B-(i), C-(ii), D-(iv)

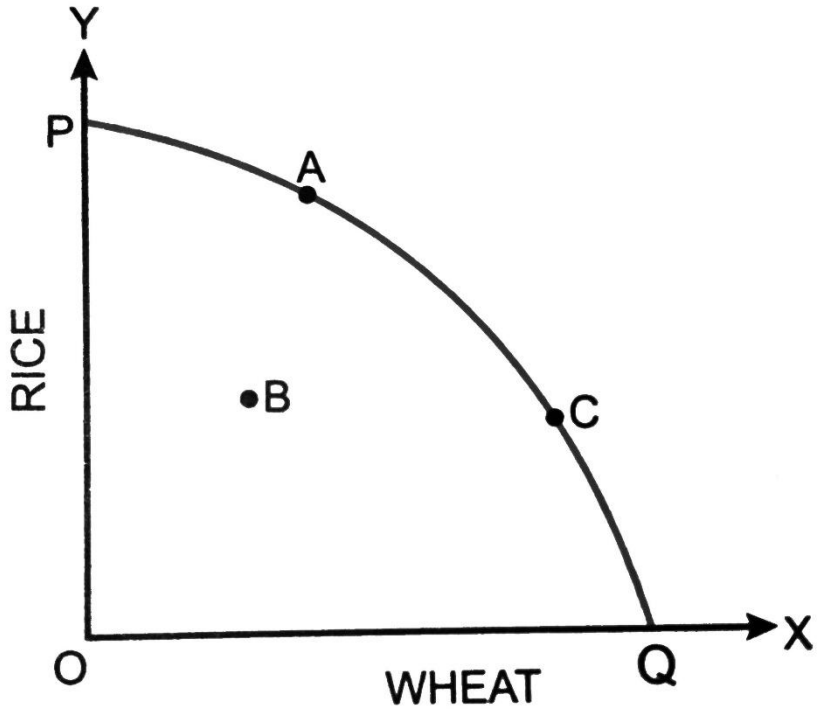
7. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below:- **1**

Assertion(A)- Classification based on locational differences is called spatial classification.
Reason(R)- Classification based on time is called chronological classification.

Alternatives:
a. Both Assertion (**A**) and Reason(**R**) are true and Reason(**R**) is the correct explanation of Assertion (**A**).
b. Both Assertion (**A**) and Reason(**R**)are true but Reason(**R**) is not the correct explanation of Assertion (**A**).
c. Assertion (**A**) is true but Reason (**R**) is false.
d. Assertion (**A**) is false but Reason(**R**) is true.

1

8.

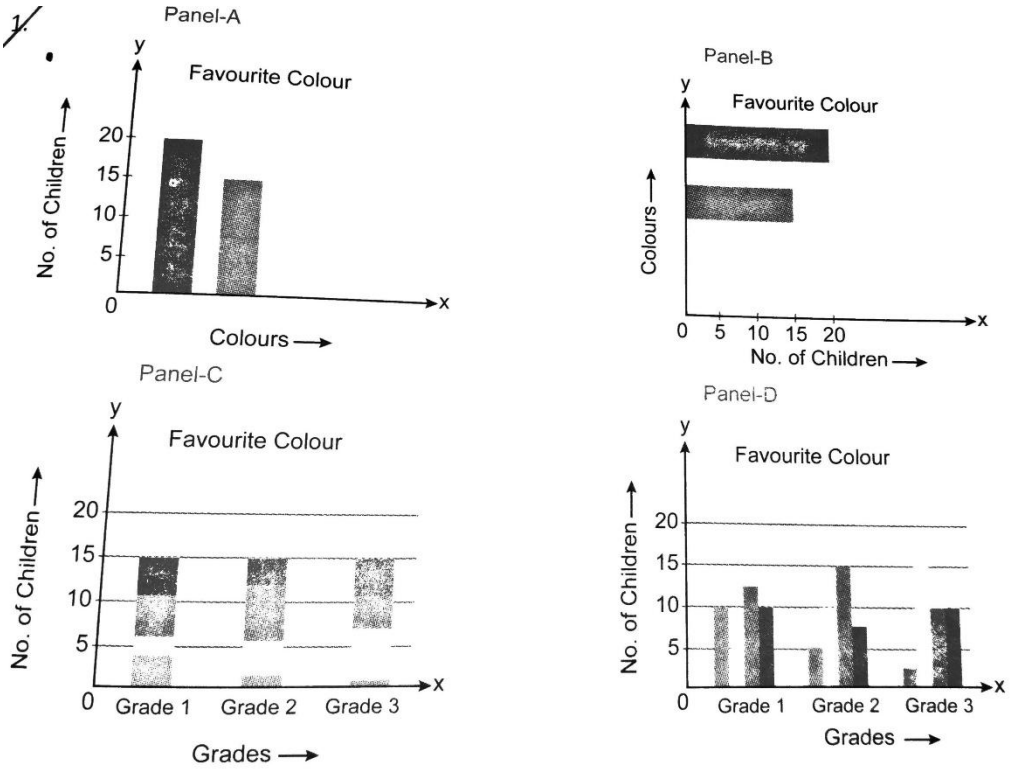


In the given PPC diagram, which point represents inefficient utilisation of resources?

a. Point A
b. Point B
c. Point C
d. Point A and C

1

9.



Study the bar graphs given above and answer the following question:
The bar diagram given in Panel-D is known as _____

Alternatives:

a. Percentage bar diagram
b. Sub divided bar diagram
c. Multiple bar diagram
d. Deviation bar diagram

10. Read the following statements carefully. **1**

Statement 1: Marginal opportunity cost refers to value of a factor in its next best (or second best) alternative use.
Statement 2: Technological advancement shifts the PPC to the right.
In light of the given statements, choose the correct alternative from the following:

a. Statement 1 is true and Statement 2 is false
b. Statement 1 is false and Statement 2 is true
c. Both statements are true
d. Both statements are false

11. Give three points highlighting the importance of statistics. **3**

12.a. State and explain the fundamental fact that has led to the emergence of economic problem. **3**

OR

b. Why should there be huge unemployment in India when scarcity of resources is a universal fact?

13. Highlight the principal differences between primary and secondary data. **4**

14. If PPC relates to wheat and rice, draw diagram showing change in PPC when resources remain constant and technology improves only for wheat. **4**

15. What are the characteristics of a good classification? **4**

16.a. The following data shows marks scored by Ram out of 50 in different subjects in his final exams. **6**
Represent the data by a pie diagram.

Subjects.	English	Maths	Economics	Accountancy	Business Studies
Marks obtained	40	30	50	45	20

OR

b. Represent the following data (hypothetical data)graphically:(Time Series):-

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Gross Domestic Saving(as a % of GDP)	8.9	11.6	14.6	18.9	23.1	23.5

17. Read the following case study carefully and answer the questions on the basis of the same:

Just as individuals face scarcity of resources, the resources of an economy as a whole are always limited in comparison to what the people in the economy collectively want to have. The scarce resources have alternative usages and every society has to decide on how much of each of the resources to use in the production of different goods and services. In other words, every society has to determine how to allocate its scarce resources to different goods and services.

An allocation of the scarce resource of the economy gives rise to a particular combination of different goods and services. Given the total amount of resources, it is possible to allocate the resources in many different ways and, thereby achieving different mixes of all possible goods and services. The collection of all possible combinations of the goods and services that can be produced from a given amount of resources and a given stock of technological knowledge is called the production possibility set of the economy.

a. Draw a PPC and explain the problem of scarcity. **2**
b. Write any two assumptions of PPC. **2**
c. Define Opportunity Cost. **2**

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Name: _____ Sec: _____Roll No.: ____

CODE-B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-1: (2026-2027)
ECONOMICS (030)
CLASS: XI

Time: 1½ Hrs. **Maximum Marks: 40**

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General Instructions:

1) This paper contains 10 Multiple Choice Questions type questions of 1mark each.

2) This paper contains 2 Short Answer Questions type questions of 3 marks each to be answered in 60 to 80 words.

4) This paper contains 3 Short Answer Questions type questions of 4 marks is to be answered in 80 to 100 words

5) This paper contains 1 Long Answer Questions type questions and 1 case based question of 6 marks each to be answered in 100 to 150 words.

6) All questions are compulsory.

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1. With regards to distrust of statistics which of the following statement is not correct? **1**

a. Statistics is a rainbow of lies
b. Statistics are tissues of falsehood
c. Statistics express the facts in numbers
d. There are three kinds of lies- lies, damned lies and Statistics

2. Which of the following is not concerned with the problem of choice? **1**

a. Excessive income
b. Alternative use of resources
c. Unlimited wants
d. Limited (scarce) resources

3. Identify the correct sequence of alternative given in column II by matching them with respective items in column I **1**

Column I	Column II
A. Primary data	i. Data already collected by other individuals
B. Mailing (Questionnaire) Surveys	ii. Free from the personal bias of the investigator
C. Secondary data	iii. Collection of data from its source of origin
D. Indirect Oral Investigation Method	iv. Questionnaires are mailed to the respondents

Alternatives:-
a. A-(iv), B-(iii), C-(i), D-(ii)
b. A-(iii), B-(iv), C-(i), D-(ii)
c. A-(i),B-(iii), C-(iv), D-(ii)
d. A-(iv), B-(ii), C-(i), D-(iii)

4. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below:- **1**

Assertion(A)- PPC is concave to origin
Reason(R)- As more and more resources are shifted from the production of one good to the production of other goods, marginal opportunity cost tends to rise.

Alternatives:
a. Both Assertion (**A**) and Reason(**R**) are true and Reason(**R**) is the correct explanation of Assertion (**A**).
b. Both Assertion (**A**) and Reason(**R**)are true but Reason(**R**) is not the correct explanation of Assertion (**A**).
c. Assertion (**A**) is true but Reason (**R**) is false.
d. Assertion (**A**) is false but Reason(**R**) is true.

5. Read the following statements carefully. **1**

Statement 1: Census method is that method in which data are collected covering every item of the universe or population relating to the problem under investigation.
Statement 2: Sample method is an economical method of investigation.
In light of the given statements, choose the correct alternative from the following:

a. Statement 1 is true and Statement 2 is false
b. Statement 1 is false and Statement 2 is true
c. Both statements are true
d. Both statements are false

6. Identify the correct sequence of alternatives given in column II matching them with respective items in column I. **1**

Column I	**Column II**
A. Macroeconomics	i. Unlimited
B. Human wants	ii. Economics of 'what ought to be'
C. Normative economics	iii. A system by which people of an area can their living
D. Economy	iv. Studies the problem of choice at the level of the country as a whole

Alternatives:-
a. A-(iv), B-(i), C-(ii), D-(iii)
b. A-(ii), B-(i), C-(iv), D-(iii)
c. A-(iv), B-(iii), C-(i), D-(ii)
d. A-(iii), B-(i), C-(ii), D-(iv)

7. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below:- **1**

Assertion(A)- In inclusive series, there is a gap between the upper limit of a class interval and the lower limit of the next class interval.
Reason(R)- In an open-end series, lower limit of the first-class interval and the upper limit of the last class interval are missing.

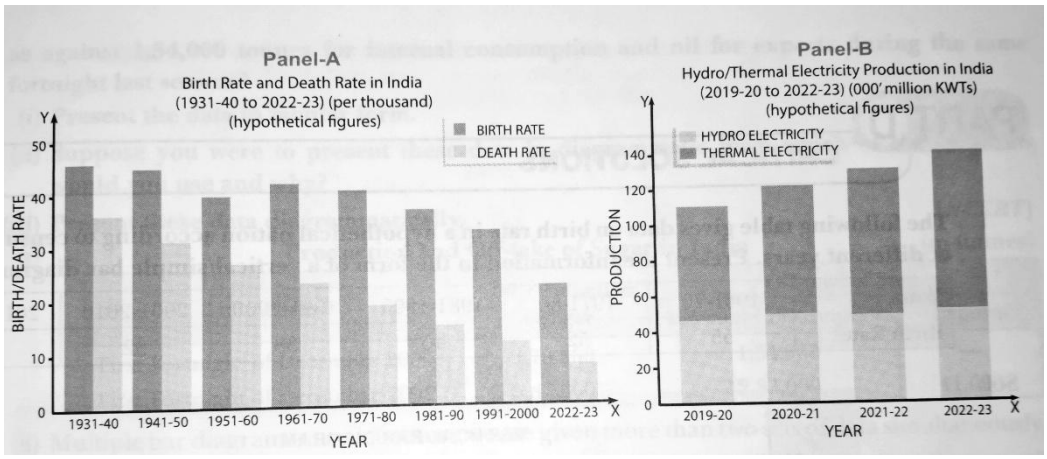
Alternatives:
a. Both Assertion (**A**) and Reason(**R**) are true and Reason(**R**) is the correct explanation of Assertion (**A**).
b. Both Assertion (**A**) and Reason(**R**)are true but Reason(**R**) is not the correct explanation of Assertion (**A**).
c. Assertion (**A**) is true but Reason (**R**) is false.
d. Assertion (**A**) is false but Reason(**R**) is true.

8. ***"Higher education should be free and unemployment is more harmful than inflation"*** belong to which branch of economics? **1**

a. Positive economics
b. Normative economics
c. Microeconomics
d. Descriptive economics

1

9.



Panel A and panel B in the diagram represent which types of bar diagram respectively?

Alternatives:

a. Simple Bar Diagram and Multiple Bar Diagram
b. Multiple Bar Diagram and Component Bar Diagram
c. Component Bar Diagram and Simple Bar Diagram
d. Percentage Bar Diagram and Multiple Bar Diagram

10. Read the following statements carefully. **1**

Statement 1: Economy is a system by which people of an area on their living.

Statement 2: Microeconomics is concerned with the aggregates of the economy.

In light of the given statements, choose the correct alternative from the following:

a. Statement 1 is true and Statement 2 is false
b. Statement 1 is false and Statement 2 is true
c. Both statements are true
d. Both statements are false

11. ***"The Govt. and policy makers use statistical data to formulate suitable policies of economics development".*** **3**
Illustrate with two examples.

12.a. ***"Mutual interdependence and exchange are the core elements of an economy".*** **3**
Comment.

OR

b. Define marginal opportunity cost. Explain the concept with a hypothetical numerical example.

13. What are the qualities of a good questionnaires? **4**

14. Explain the problem ***'what to produce'*** with the help of an example. **4**

15. Define classification. What is the principal objective of classification? **4**

16.a. Present the following data in the form of histogram : **6**

Daily Earning(₹)	10-15	15-20	20-25	25-30	30-40	40-60	60-80
No. of Workers	06	18	25	15	12	12	08

OR

b. Represent the following data related to population (in 000') of men and women in a village in different years graphically:-(Time Series)

Year	2017	2018	2019	2020	2021	2022	2023
No. of Men	10	13	15	14	17	18	21
No. of Women	12	18	16	17	20	22	24

17. Read the following case study carefully and answer the questions on the basis of the same:

Swachh Bharat Mission, i.e., Clean India Mission, a national level initiative started by the

Government of India in 2014 is a major step towards the protection of environment. The overall mission has two parts-(A) SBM (Gramin): It is a modified version of the Nirmal Bharat Abhiyan which was launched earlier. Besides eliminating open defecation, cleanliness, hygiene across all over India, the Mission also aims to decrease the use of single use plastic, proper drainage to make clean and green India. (B) SBM Urban: It targets urban areas. In India one third of the total population are living in urban areas. The population of urban areas are increases day by day. And with increasing population in urban areas, urban India will also need focused to make a Swachh India. So to provide better sanitation, better waste management facilities, increasing public and community toilet, improving drainage system in the urban areas, this mission has launched a sub mission named as Swachh Bharat Mission-Urban.

-Bidyut Kalita, Swachh Bharat Mission (Clean India Mission), A Case Study

a. What will be the impact of recently launched ***"Clean India Mission" (Swachh Bharat Mission)*** on the PPC of the economy. **2**

b. Explain the properties of PPC. **2**

c. ***"An economy always produces on, but not inside a PPC.*** **2**

Read the statement above and write 'True' or 'False' with a reason.

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Name: _____Sec:_____ Roll No:____

CODE:B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST – 1 [2026-27]
ENGLISH CORE
Class – XI

Time: 1 ½ Hours **Maximum Marks : 40**

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GENERAL INSTRUCTIONS:

1. *The question paper contains Writing Skills, Grammar & Literature sections.*
2. *All questions are compulsory.*
3. *Instructions are given with each question, wherever necessary.*
4. *Attempt all questions based on specific instructions for each part.*
5. *Adhere to prescribed word limit while answering the questions.*

1. **Rearrange the given words and phrases to form meaningful sentences:** 1X 4

a) conference / attending / professionals / international / the / are / many

b) forgotten / had / completely / I / meeting / the / important / about

c) solution / effective / discovered / an / finally / researchers / the / have

d) unexpectedly / arrived / before / the / guests / scheduled / time / the

2. **Fill in the following blanks with one word only:** 1X 4

Travelling is a transformative experience (a) _____ allows individuals to escape the monotony of daily life, offering a unique opportunity (b) _____ explore new cultures, landscapes, and perspectives. Beyond mere sightseeing, it serves (c) _____ a powerful, immersive education, broadening one's understanding of the world and nurturing deep empathy through first hand interaction (d) _____different ways of life.

3. **Read the extracts given below and answer the questions that follow:** 1X 4

(A) *Now she's been dead nearly as many years*
As that girl lived. And of this circumstance
There is nothing to say at all.
Its silence silences.

(a) Identify 'she'.

a) A girl
b) The poet
c) The cousins
d) The mother

(b) The mood of the poet is one of –

a) helplessness

b) stark grief

c) fear

d) nostalgia

(c) '*This circumstance*' refers to _____. (**Complete the statement**)

(d) Explain – "*Its silence silences.*"

(B) *Yes, she was beautiful. She was like the winter landscape in the mountains, an expanse of pure white serenity breathing peace and contentment.* 1X 4

(a) Who is 'she'?

i. The author

ii. The mother

iii. The poet

iv. The grandmother

(b) The word 'yes' suggests –

i. An affirmation

ii. An expression

iii. A connotation

iv. An exclamation

(c) What can you conclude of the narrator from the given statement on 'her'?

(d) Explain: *an expanse of pure white serenity breathing peace and contentment.*

4. **Attempt the following questions in 40-50 words each.** 2 X 3

(a) How does the laburnum tree appear in the afternoon September? How does the arrival of the goldfinch bring about a change in it?

(b) Do you think John Byro recognised his horse? Why did he not accuse the boys of stealing his horse?

(c) Explain the significance of the expression: *"Both wry with the laboured ease of loss."* (A Photograph)

5. **Attempt ***ANY 02*** **of the following questions in 120-150 words:** 5 X 2

(a) *The Laburnum Top* has a lot to teach. What values do you learn from the poem?

(b) *The grandmother herself was not formally educated but was serious and concerned about the author's education.* How does the author's reminiscence support this?

(c) *The story exudes simplicity and humour in terms of its characters and actions.* Elucidate the statement with reference to the story**,** *'The Summer of the Beautiful White Horse'.*

6. Design a poster in not more than 50 words about the need for regular yoga and exercise on the occasion of *International Yoga Day*. You are Arvind / Adrija, Sports Captain of St. Carmel School, Durgapur. 3

7. Draft the text of the speech on the topic, "*The Value of Sharing*". This is to be delivered from the morning assembly. You are Karan/ Karuna, Head Boy/ Girl of the school. 5

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Name:_____ Sec:_____ Roll No:_____

CODE -A

BURNPUR RIVERSIDE SCHOOL , BURNPUR
PERIODIC TEST 1 : [2026-2027]
ENGLISH CORE
CLASS : XI

Time Allowed : 1 ½ Hours **Maximum Marks : 40**

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GENERAL INSTRUCTIONS:

1. *The question paper contains Writing Skills, Grammar & Literature sections.*
2. *All questions are compulsory.*
3. *Instructions are given with each question, wherever necessary.*
4. *Attempt all questions based on specific instructions for each part.*
5. *Adhere to prescribed word limit while answering the questions.*

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1. Rearrange the words and phrases to form meaningful sentences. 1x4

i. born / geniuses / not / made / are

ii. the / moon / as / rare / they / blue / are / as

iii. have / qualities / that / of / training / instruction / or / are / inborn / they / independent

iv. have / in / been trailblazers / their / they / fields / respective

2. Complete the passage given below by filling in each of the blanks with a suitable word. 1x4

Having strong communication skills aids in all aspects of life – from professional life (i) …….. personal life and everything that falls (ii) …… between. Good communication skills (iii)_____ essential to allow others and yourself to understand information more accurately (iv) …….. quickly.

3. (A) Read the poem extract and answer the questions that follow: 1x4

Some twenty – thirty – years later
She'd laugh at the snapshot. "See Betty
And Dolly," she'd say, "and look how they
Dressed us for the beach." The sea holiday
Was her past, mine is her laughter. Both wry
With the laboured ease of loss.

i. Why is she laughing?

1. Because she finds their beach dresses funny
2. Because somebody has cracked a joke
3. Because she laughed quite often
4. Because she is making fun of her cousins

a. Only 1
b. Both 1 & 2
c. Only 2
d. Both 3 & 4

ii. 'The sea holiday ……' these lines indicate

a. Poet is remembering her childhood
b. Poet is remembering her mother's childhood
c. Poet is grieving at the absence of her mother
d. Poet is missing the sea holiday

iii. Explain 'the sea holiday was her past, mine is her laughter'.

iv. What is the meaning of the line 'Both wry with the laboured ease of loss'?

3. (B) Read the prose extract and answer the questions that follow: 1x4

The common link of friendship was snapped. My grandmother accepted her seclusion with resignation. She rarely left her spinning-wheel to talk to anyone. From sunrise to sunset she sat by her wheel spinning and reciting prayers. Only in the afternoon she relaxed for a while to feed the sparrows. While she sat in the verandah breaking the bread into little bits, hundreds of little birds collected round her creating a veritable bedlam of chirrupings.

i. 'With resignation' in the extract means

a. a joyful feeling of accepting something
b. a sad feeling of accepting something that you don't like
c. a mixed feeling of accepting something that you don't like
d. a joyful feeling of accepting something that you like a lot

ii. Pick up the characteristics of the grandmother from the list given below.

1. Calm 2. Strong 3. Independent 4. Arrogant

5. Loving 6. Affectionate 7. Rude 8. Intolerant

a. 2 , 5 , 6 , 7
b. 1 , 3 , 4 , 8
c. 1 , 2 , 3 , 5 , 6
d. 1 , 4 , 6 , 7 , 8

iii. What caused the common link of friendship to snap?

iv. How did she spend her day?

4. Answer the following questions in 40-50 words each. 2x3

(a) What is the significance of 'yellow' in the poem?

[*The Laburnum Top*]

(b) What arguments did farmer John Byro advance to prove the usefulness of a horse to a city dweller?

[*The Summer of the Beautiful White Horse*]

(c) Why do you think the poet says "Its silence silences"?

[*A Photograph*]

5. Answer the following questions in 120-150 words each. [ANY TWO] 5x2

(a) The Laburnum Tree and the Goldfinch bird have a symbiotic relationship. Discuss this statement with respect to the poem.

(b) How do you know that the author's grandmother was a religious lady? Give examples from the text to support your answer.

(c) 'Mourad was the natural descendent of the crazy streak of Uncle Khosrove.' Explain the statement giving instances from the story 'The Summer of the Beautiful White Horse'.

6. Prepare a poster to bring home the importance of conservation of electricity. **3**

7. You are Sagarika / Sagar, Head Girl / Head Boy of your school. Write a speech, in about 120 – 150 words, on the relevance of good etiquette and cultured behaviour. **5**

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Name:_____Sec:_____ Roll No:_____

CODE-A

BURNPUR RIVERSIDE SCHOOL,BURNPUR
PERIODIC TEST 1: [2026-2027]
GEOGRAPHY
Class: XI

Time Allowed-1 ½ Hours **Maximum Marks-40**

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General Instructions:

i. **Question number 1 to 08 are MCQ type questions.**
ii. **Question 09 and 10 are Source based questions.**
iii. **Question number 11-12 are Short Answer type questions (80-100 words).**
iv. **Question number 13 to 16 are Long Answer based questions (120-150 words).**

==========

SECTION-A

1 Choose the correct statement from the following 1

A. Roads can be termed as physical feature.
B. Geography attempts spatial synthesis and history attempts temporal synthesis
C. Physical geography is linked with Economic and Sociology
D. Alexander Von Humboldt introduced the approach of regional geography

2 **Consider the following statements and choose the correct answer from the given options.** 1

i) A tiny ball existed with an unimaginably small volume, infinite temperature and infinite density.

ii) The tiny ball exploded violently which led to a huge explosion.

iii) Some energy was converted into matter.

iv) Temperature dropped and gave rise to atomic matter.

Options

A. Formation of star
B. Development of the universe
C. Formation of planet
D. Evolution of lithosphere

3 **Match Column-I with Column-II and choose the correct option**: 1

Column-I	**Column-II**
I) Meteorology	i) Population Geography
II) Demography	ii) Soil Geography
III) Sociology	iii) Climatology
IV) Pedology	iv) Social Geography

OPTIONS

A. I- i II- iii III- iv IV- ii
B. I-ii II- i III- iv IV- iii
C. I-iv II- iii III- ii IV- i
D. I-iii II- i III- iv IV- ii

4 **Identify the incorrect statement** 1

A. India borders the Indian ocean and its two arms extending in the form of Bay of Bengal and the Arabian Sea.
B. India is located in the south-central part of the continent of Europe.
C. India is a physically diverse land.
D. India has a long coast line of 6,100 km, in the mainland.

5 **Choose the correct option** 1

Which one of the following figure represents the age of the earth?

A. 4.6 million years
B. 13.7 billion years
C. 4.6 billion years
D. 13.7 trillion years

6 **Consider the following statements and choose the correct answer from the given options.** 1

i) It is an example of submerged coastal plain

ii) They provide natural conditions for the development of ports and harbours.

iii) They are narrow in the middle and get broader towards north and south.

iv) Well-developed deltas are not found here.

Options

A. Eastern coastal plain
B. Western coastal plain
C. Northern plain
D. Both (A) and (B)

7 **There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below.** 1

Assertion (A)- Andaman and Nicobar and Lakshadweep islands are the two island countries located in the Indian ocean.

Reason (R)- Sri Lanka is separated from India by the Gulf of Mannar and Palk Strait.

Options

A. Both (A) and (R) are true but (R) is not the correct explanation of (A)
B. Both (A) and (R) are true and (R) is the correct explanation of (A)
C. (A) is true and (R) is false
D. (A) is false and (R) is true

8 **Which of the following is incorrectly matched?** 1

Name		**Feature**
A. Ten degree channel	-	Separates Andaman and Nicobar
B. Barren island	-	Active Volcano
C. Andaman and Nicobar	-	Built of coral deposits
D. Minicoy	-	Island of the Arabian Sea

SECTION-B

9 **Read the given passage carefully and answer the questions that follow:**

The interaction between the physical environment and human beings has been very succinctly described by a poet in the following

dialogue between 'human' and 'nature' (God). You created the soil, I created the cup, you created night, I created the lamp. You created wilderness, hilly terrains and deserts; I created flower beds and gardens. Human beings have claimed their contribution using natural resources. With the help of technology, human beings moved from the stage of necessity to a stage of freedom. They have put their imprints everywhere and created new possibilities in collaboration with nature. Thus, we now find humanised nature and naturalised human beings and geography studies this interactive relationship. The space got organised with the help of the means of transportation and communication network. The links (routes) and nodes (settlements of all types and hierarchies) integrated the space and gradually, it got organised. As a social science discipline, geography studies the 'spatial organisation' and 'spatial integration'.

i. What do you mean by humanised nature? 1

ii. Name any two geographical features which are dynamic in nature. 1

iii. What is the role of technology to loosen the shackles of human being in the physical environment? 1

10 **Read the given passage carefully and answer the questions that follow:**

The size of India has endowed her with great physical diversity. Thus, you may appreciate the presence of lofty mountains in the north; large rivers such as Ganga, Brahmaputra, Mahanadi, Krishna, Godavari and Kaveri; green forested hills in northeast and south India; and the vast sandy expanse of Marusthali. You may further appreciate that bounded by the Himalayas in the north, Hindukush and Sulaiman ranges in the northwest, Purvachal hills in the north-east and by the large expanse of the Indian ocean in the south, it forms a great geographic entity known as the Indian subcontinent. It includes the countries — Pakistan, Nepal, Bhutan, Bangladesh and India. The Himalayas, together with other ranges, have acted as a formidable physical barrier in the past. Except for a few mountain passes such as the Khyber, the Bolan, the Shipkila, the Nathula, the Bomdila, etc. it was difficult to cross it. It has contributed towards the evolving of a unique regional identity of the Indian subcontinent.

There is a physical variation as we would come across while travelling from Kashmir to Kanniyakumari and from Jaisalmer in

Rajasthan to Imphal in Manipur.

i. What is the position of India according to its area? 1

ii. Name two countries with which India shares its land boundaries in the north. 1

iii. What physical variations we can observe while travelling from Kashmir to Kanniyakumari? 1

SECTION-C

11 What are body waves? Distinguish between P – waves and S -waves. 3

12 You are planning an educational tour to the island groups of India. Compare the physical features, location and importance of the Andaman and Nicobar Islands and the Lakshadweep Islands. 3

SECTION-D

13 "The most popular argument regarding the origin of the universe is the Big Bang Theory". What are the different stages in the development of the universe according to this theory? 5

14 What do you understand by intrusive forms? Briefly describe various intrusive forms. 5

OR

What are the major types of volcanoes? Explain them.

15 How is the latitudinal spread of India advantageous to her? 5

16 How the northern plain is divided from the north to south? Explain major zones of the northern plain. 5

OR

Write a note on the Peninsular plateau. Classify the peninsular plateau on the basis of the prominent relief features.

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Name:_____Sec:____ Roll No:_____

CODE-B

BURNPUR RIVERSIDE SCHOOL,BURNPUR
PERIODIC TEST 1: (2026-2027)
GEOGRAPHY
Class: XI

Time Allowed-1 ½ Hours **Maximum Marks-40**

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General Instructions:

i. **Question number 1 to 08 are MCQ type questions.**
ii. **Question 09 and 10 are Source based questions.**
iii. **Question number 11-12 are Short Answer type questions (80-100 words).**
iv. **Question number 13 to 16 are Long Answer based questions (120-150 words).**

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SECTION-A

1 Choose the correct statement from the following 1

A. The term geography was first coined by Karl Ritter.
B. Geography is the description of the earth.
C. The earth's surface is uniform.
D. Geography attempts temporal synthesis.

2 **Consider the following statements and choose the correct answer from the given options.** 1

i) Due to gradual increase in density the temperature inside the earth has increased.

ii) The material inside the earth started getting separated depending on their densities.

iii) Heavier materials sink towards the centre of the earth and the lighter ones move towards the surface.

iv) It is through the process of differentiation that the earth forming material got separated into different layers.

Options

A. Formation of star
B. Development of the universe
C. Formation of planet
D. Evolution of lithosphere

3 **Match Column-I with Column-II and choose the correct option**: 1

Column-I	**Column-II**
I) Economic Geography	i) Physical Geography
II) Geomorphology	ii) Human Geography
III) Ecology	iii) Geographical Thought
IV) Regional Analysis	iv) Biogeography

OPTIONS

A. I- i II- iii III- iv IV- ii
B. I-ii II- i III- iv IV- iii
C. I-iv II- iii III- ii IV- i
D. I-iii II- i III- ii IV- iv

4 **Identify the incorrect statement** 1

A. Bangladesh shares the longest land frontier with India.
B. Sri Lanka and Maldives are the two island countries located in the Indian Ocean.
C. The maritime location of Peninsular India has provided links to its neighbouring regions.
D. Maldives is separated from India by Palk Strait.

5 Choose the correct option 1

Life on the earth appeared around how many years before the present?

A. 13.7 billion
B. 3.8 million
C. 4.6 billion
D. 3.8 billion

6 **Consider the following statements and choose the correct answer from the given options.** 1

i) It is a major part of northern plain.

ii) It is a narrow belt ranging between 8-10 km parallel to the Shiwalik foothills at the break-up of the slope.

iii) The streams and rivers coming from the mountains deposit heavy materials of rocks and boulders in this zone.

iv) At times streams disappear in this zone.

Options

A. Bhangar
B. Khadar
C. Bhabar
D. Tarai

7 **There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below.** 1

Assertion (A)- Pakistan, Nepal, Bhutan, Bangladesh and India is belonging to Indian subcontinent.

Reason (R)- The Bolan, the Shipkila, the Nathula, the Bomdila are a few mountain passes.

Options

A. Both (A) and (R) are true but (R) is not the correct explanation of (A)
B. Both (A) and (R) are true and (R) is the correct explanation of (A)
C. (A) is true and (R) is false
D. (A) is false and (R) is true

8 **Which of the following is incorrectly matched?** 1

Name		**Feature**
A. Eastern coastal plain	-	emergent coastal plain
B. Western coastal plain	-	submerged coastal plain
C. Andaman and Nicobar	-	elevated portion of submarine mountains
D. Lakshadweep	-	Bay of Bengal

SECTION-B

9 **Read the given passage carefully and answer the questions that follow:**

In systematic approach , a phenomenon is studied world over as a whole, and then the identification of typologies or spatial patterns is done. For example, if one is interested in studying natural vegetation, the study will be done at the world level as a first step. The typologies such as equatorial rain forests or softwood conical forests or monsoon forests, etc. will be identified, discussed and delimited. In the regional approach, the world is divided into regions at different hierarchical levels and then all the geographical phenomena in a particular region are studied. These regions may be natural, political or designated region. The phenomena in a region are studied in a holistic manner searching for unity in diversity.

i. Who introduced the approach of systematic geography? 1

ii. What are the branches of geography based on systematic approach? 1

iii. What is the difference between systematic and regional geography approach? 1

10 **Read the given passage carefully and answer the questions that follow:**

India is located in the south-central part of the continent of Asia, bordering the Indian ocean and its two arms extending in the form of Bay of Bengal and the Arabian Sea. This maritime location of Peninsular India has provided links to its neighbouring regions through the sea and air routes. Sri Lanka and Maldives are the two island countries located in the Indian Ocean, which are our neighbours. Sri Lanka is separated from India by the Gulf of Mannar and Palk Strait.

i. Name the oceans that border India. 1

ii. What type of location has helped Peninsular India to connect with neighbouring countries? 1

iii. What are the two southern neighbouring countries of India? 1

SECTION-C

11	Briefly explain the indirect sources of information of the interior of the earth.	3
12	"The desert has low vegetation cover". Explain the reasons for this condition of the Great Indian Desert. Name a few land features present here.	3

SECTION-D

13	"The most popular argument regarding the origin of the universe is the Big Bang Theory". What are the different stages in the development of the universe according to this theory?	5
14	What are the different types of earthquakes? What are its effect?	5
	OR	
	Briefly describe the structure of the earth.	
15	Which longitude is considered as the standard meridian of India? Why? What is the time difference between Indian Standard Time and Greenwich Mean Time?	5
16	What are the major physiographic divisions of India. Make a comparative study between the eastern coastal plain and western coastal plains of India.	5
	OR	
	Write a note on the island groups of the Arabian Sea and the Bay of Bengal.	

****

Name:_____ Sec:_____ Roll No:____

CODE:A

BURNPUR RIVERSIDE SCHOOL,BURNPUR
HALF YEARLY EXAMINATION : [2026-2027]
GENERAL STUDIES
CLASS XI

Time: 1 Hrs. **Maximum Marks : 50**

General Instructions:

Answer the following by choosing the correct option from the alternatives given below:

Q. Nos. 1 – 30 (1 Mark each)

Q. Nos. 31 – 40 (2 Marks each)

==========

1 Who is known as the 'Father of Indian Archeology'? **1**

a) John Marshall

b) B.B. Lal

c) Alexander Cunningham

d) Romila Thappar

2 Who wrote the ancient Indian text 'Arthashashtra'? **1**

a) Megasthenes

b) Kautilya (Chanakya)

c) Amatya Rakshasa

d) Tenali Ramakrishna

3 Which famous ancient Indian river associated with the Vedic civilization is famous for its mysterious disappearance from the face of Earth? **1**

a) The Saraswati
b) The Huang He
c) The Tigris
d) The Tamanrasset river

4 Which is the largest desert in the world? **1**

a) The Sahara
b) The Antarctic desert/ Antartica
c) The Gobi Desert
d) The Great Australian Desert

5 Standing at which of the following places would mean to be present in all the time zones on Earth at once? **1**

a) The Prime Meridian (Royal Observatory, Greenwich)
b) The Indian Central Meridian at Prayagraj
c) The intersection of the Equator and the tropic of Capricorn in Brazil
d) The South Pole

6 Which of the following water bodies does not have land boundaries on any of its sides? **1**

a) The Red Sea
b) The Sargasso Sea
c) The Arabian Sea
d) The Black Sea

7 The ancient city of Mohenjo-Daro was a part of the _____. **1**

a) Mesopotamian Civilization
b) Ancient Greek Civilization
c) Indus Valley Civilization
d) Sumerian Civilization

8 Which ancient Indian University was destroyed by Bakhtiyar Khilji? **1**

a) The Takshashila University
b) The Burdwan University
c) The Nalanda University
d) The Cambridge University

9 During which famous revolution in 18th century Europe was the guillotine used to execute thousands of ordinary citizens, political figures, royals and aristocrats? **1**

a) The Russian Revolution
b) The French Revolution
c) The Industrial Revolution
d) The American Revolution

10 Which freedom fighter is famously known by the honorific title "Netaji"? **1**

a) Mahatma Gandhi
b) Sardar Vallabhbhai Patel
c) Subhas Chandra Bose
d) Bhagat Singh

11 Who among the following was the first Indian to win the Nobel Prize for Literature in 1913? **1**

a) C.V. Raman
b) Mother Teresa
c) Rabindranath Tagore
d) Amartya Sen

12 Which vital sea trade route has Iran blocked, heavily disrupting global oil supply and India's LPG supply lines due to the ongoing Israel-Iran war? **1**

a) Palk Strait
b) The Strait of Hormuz
c) The Silk Route
d) Suez Canal

13 Which of the following is a military operation by the Indian Navy launched to protect Indian merchant vessels sailing through the tense sea trade route in the Gulf region near Iran? **1**

a) Operation Ajay
b) Operation Kaveri
c) Operation Dev Shakti
d) Operation Sankalp

14 What is the name of the central scheme that aims to provide free monthly electricity to one crore Indian households through rooftop solar panels? **1**

a) PM-Surya Ghar: Muft Bijli Yojana
b) PM Matsya Sampada Yojana
c) Pradhan Mantri Mudra Yojana
d) PM-Poshan (Pradhan Mantri Poshan Shakti Nirman)

15 Which country famously returned a set of 11th century Chola-era copper plates to India during the Prime Minister's visit to the country in May,2026?? **1**

a) France
b) Belgium
c) The Netherlands
d) Poland

16 Who made history by becoming Nepal's youngest Prime Minister at the age of 35 in March 2026? **1**

a) Pushpa Kamal Dahal
b) KP Sharma Oli
c) Ram Chandra Paudel
d) Balendra Shah

17 What is the name given to the phenomenon of a song stuck in our heads for hours? **1**

a) Brain Freeze
b) Sound Wave
c) Paralysis
d) Earworm

18 Which is the only number in the English language that is spelled with the exact same number of letters as its actual numerical value? **1**

a) Seven
b) Nine
c) Four
d) One

19 If you could drill a tunnel straight through the centre of the Earth in India and keep moving, where exactly would you emerge on the opposite side of the planet? **1**

a) The People's Republic of China
b) The Pacific Ocean
c) The USA
d) The base of Mount Everest

20 Who is considered to be the greatest writer of English Literature of all time? **1**

a) Vikram Seth
b) Roald Dahl
c) William Shakespeare
d) William Wordsworth

21 In terms of area, which is the largest Union territory of India within its territory and control at present? **1**

a) Daman and Diu
b) Andaman and Nicobar Islands
c) Ladakh
d) Jammu and Kashmir

22 Which bridge is known to be the world's highest railway bridge? **1**

a) Brooklyn Bridge, New York

b) Howrah Bridge, Kolkata

c) Tower Bridge, London

d) Chenab Bridge, Jammu and Kashmir

23 As of early May, 2026, which Indian stadium is set to host the grand IPL 2026 final match on May 31st? **1**

a) Sarusajai Stadium, Guwahati

b) Eden Gardens, Kolkata

c) Mr. Chinnaswami Stadium, Bengaluru

d) Narendra Modi Stadium, Ahmedabad

24 Which IPL team entered the ongoing 2026 season as the defending champion? **1**

a) Chennai Super Kings

b) Royal Challengers Bengaluru

c) Kolkata Knight Riders

d) Mumbai Indians

25 What are the five official colours of the rings featured on the Olympic flag? **1**

a) Pink, White, Orange, Silver and Golden

b) Black, Purple, Green, Grey and White

c) Blue, Yellow, Black, Green and Red

d) Yellow, Mustard, Mauve, Magenta and Black

26 Sachin Tendulkar is regarded as the _____. **1**

a) God of Tennis

b) God of Cricket

c) God of Hockey

d) God of Badminton

27 With which scientist is the theory of relativity associated? **1**

a) Galileo Galilei

b) Johannes Kepler

c) Albert Einstein

d) Isaac Newton

28 Which of the following galaxies houses our Solar System? **1**

a) The Andromeda Galaxy

b) The Milky Way Galaxy

c) Messier 81 (M81)

d) The Black Eye Galaxy (M64)

29 Which scientist is known for discovering the law of gravity and formulating the laws of motion? **1**

a) Albert Einstein

b) Sir Isaac Newton

c) Galileo Galilei

d) Johannes Kepler

30 Which philosopher and mathematician invented the coordinate system (x and y axes) after watching a fly crawl across his bedroom ceiling? **1**

a) Aryabhata

b) Rene Descartes

c) Brahmagupta

d) Bhaskaracharya

31 _____ are not allowed in school under any circumstances.

a) Water bottles **2**

b) Mobile phones

c) Reference books

d) School bags

32 It is compulsory to have ____% attendance for the students of all classes during an academic session in school. **2**

a) 50%

b) 80%

c) 75%

d) 95%

e)

33 Students are strictly advised against touching ____ substances such as acids, alkalis, phenol etc. **2**

a) Benign

b) Corrosive

c) Non Corrosive

d) Gentle

34 Which day is observed as the National Youth Day? **2**

a) 12th January

b) 15th August

c) 14th November

d) 26th November

35 Pupils must converse in _____ while in school. **2**

a) Sign language

b) Sanskrit

c) English

d) Vernaculars

36 The National Anthem of India has been composed by- **2**

a) Aurobindro Ghosh

b) A.R.Rahman

c) Rabindranath Tagore

d) Sumitranandan Pant

37 The prayer "Ya Kundendu Tushar Har Dhawala…" is an incantation to : **2**

a) The River Ganga

b) Goddess Saraswati

c) The Great Himalayas

d) Goddess Kali

38 The shloka "Asato Ma Sadgamayam, Tamaso Ma Jyotir Gamayam…" has been taken from: **2**

a) The Mahabharata

b) The Bible

c) The Panchatantra

d) The Upanishads

39 The lines “Asato Ma Sadgamayam ,Tamaso Ma Jyotir Gamayam” translates into : **2**

a) Lead me from the unreal to real, Lead me from darkness to light.

b) I bow to thee, the Lord of the world

c) In the realm of bliss, In the realm of glory

d) O God, you are the universal father

40. Students must maintain _____ in the school library. **2**

a) rhythm and posture

b) the Log Book

c) absolute silence

d) law and order

****

Name:_____ Sec:_____ Roll No:_____

CODE : B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
HALF YEARLY EXAMINATION : [2026-2027]
GENERAL STUDIES
Class: XI

Time: 1 Hr. **Maximum Marks : 50**

==========

Choose the correct answer from the options given below.
Questions 1-30 carries 1 mark each and questions 31-40 carries 2 marks each.

1 Which part of the human body produces insulin?

A. Liver
B. Pancreas
C. Kidney
D. Heart

2 Which is the longest river in the world?

A. Amazon
B. Nile
C. Ganga
D. Yangtze

3 The Statue of Liberty was a gift to the USA from which country?

A. United Kingdom
B. Germany
C. France
D. Italy

4 Who is the 'Supreme Commander' of the Indian Armed Forces?

A. The Prime Minister
B. The Defense Minister
C. The President of India
D. The Chief of Defence Staff

5 Which bank is known as the "Banker’s Bank" in India?

A. State Bank of India
B. HDFC Bank
C. Reserve Bank of India (RBI)
D. ICICI Bank

6 Which Indian company is the owner of the "Amul" brand?

A. Britannia
B. Nestlé
C. GCMMF (Gujarat Co-operative Milk Marketing Federation)
D. Tata Consumer Products

7 Which vitamin is obtained from Sunlight?

A. Vitamin A
B. Vitamin B
C. Vitamin C
D. Vitamin D

8 Which city is known as the "Pink City" of India?

A. Jodhpur
B. Udaipur
C. Jaipur
D. Bikaner

9 What is the chemical name of "Baking Soda"?

A. Sodium Carbonate
B. Sodium Bicarbonate
C. Calcium Carbonate
D. Sodium Chloride

10 Who is credited with the invention of the World Wide Web (WWW)?

A. Bill Gates
B. Steve Jobs
C. Tim Berners-Lee
D. Vint Cerf

11 Which latitude passes through the center of India?

A. Equator
B. Tropic of Capricorn
C. Tropic of Cancer
D. Prime Meridian

12 The 'Loo' is a type of wind found in which region of India?

A. Coastal Odisha
B. Northern Plains
C. Deccan Plateau
D. Himalayan Region

13 Which article of the Indian Constitution deals with the 'Right to Equality'?

A. Article 14-18
B. Article 19-22
C. Article 25
D. Article 32

14 The concept of 'Five-Year Plans' in India was borrowed from which country?

A. USA
B. UK
C. USSR (Russia)
D. Germany

15 Who is the current Chairperson of the NITI Aayog?

A. The President of India
B. The Prime Minister of India
C. The Finance Minister
D. The Vice President

16 Which body regulates the Stock Market in India?

A. RBI
B. SEBI
C. IRDAI
D. NABARD

17 Who wrote the famous novel "The Guide"?

A. Vikram Seth
B. Arundhati Roy
C. R.K. Narayan
D. Khushwant Singh

18 Which Indian athlete is known as the "Payyoli Express"?

A. P.T. Usha
B. Hima Das
C. Dutee Chand
D. Shiny Wilson

19 "Just Do It" is the tagline of which brand?

A. Adidas
B. Reebok
C. Nike
D. Puma

20 Which company owns the social media platform "WhatsApp"?

A. Google
B. Meta
C. Microsoft
D. Apple

21 "Connecting People" was the iconic tagline of which mobile phone company?

A. Samsung
B. Nokia
C. Motorola
D. Blackberry

22 What is the name of India's first solar mission launched by ISRO?

A. Chandrayaan-3
B. Aditya-L1
C. Gaganyaan
D. Mangalyaan-2

23 Which Indian city is known as the "Silicon Valley of India"?

A. Hyderabad
B. Pune
C. Bengaluru
D. Gurgaon

24 Which is the highest civilian award in India?

A. Padma Vibhushan
B. Bharat Ratna
C. Param Vir Chakra
D. Padma Bhushan

25 Which gas is most abundant in the Earth's atmosphere?

A. Oxygen
B. Carbon Dioxide
C. Nitrogen
D. Hydrogen

26 The legendary 'Tunday Kabab' gets its unique name from its creator, Haji Murad Ali. What does 'Tunday' literally mean in the local language?

A. One-armed
B. Slow cooked
C. Blind
D. The secret spice blender

27 Which proverb is used to describe a person who often finds fault or criticizes others, but is often flawed or guilty of the same faults themselves?

A. A rolling stone gathers no moss.
B. People who live in glass houses shouldn't throw stones.
C. You can't teach an old dog new tricks.
D. The grass is always greener on the other side.

28 What is the strongest and most reliable method to protect your online accounts, beyond just using a strong password?

A. Only logging in from home Wi-Fi
B. Using all lowercase passwords
C. Changing passwords only once a year

D. Multi-factor Authentication (MFA)

29 Which system of medicine, originating in India, focuses on balancing the body, mind, and spirit to promote health, using herbs, diet, and lifestyle practices?

A. Ayurveda
B. Siddha
C. Homoeopathy
D. Allopathy

30 Complete the proverb: 'Beggars can't be _____.'

A. choosers
B. singers
C. happy
D. wealthy

31 The School Assembly begins with

A. Saraswati Vandana
B. Upanishad Sloka
C. Assembly Song
D. Pledge

32 Number of vacations mentioned in the almanac is _____.

A. 3
B. 4
C. 5
D. 6

33 It is compulsory to have _____ attendance for the students of all classes.

A. 70%
B. 75%
C. 80%
D. 85%

34 The school office hours are between

A. 8.30 am to 10.30 am
B. 8.10 am to 12.00 noon
C. 10.30 am to 1.30 pm
D. 9.30 am to 2.30 pm

35 Every year 11th July is observed as _____.

A. World Population Day
B. World Science Day
C. World Smile Day
D. World Food Day

36 _____ is called 'The Third Dimension of Education'.

A. Co-scholastic activities
B. Co-curricular activities
C. Games and Sports
D. Work Experience

37 For determining inter-house champion, academics is given _____ weightage.

A. 20%
B. 30%
C. 40%
D. 50%

38 Which day is observed as the International Day of Yoga?

A. 5th June
B. 21st June
C. 5th July
D. 21st July

39 In which year BRS, Burnpur will celebrate its Golden Jubilee?

A. 2026
B. 2027
C. 2028
D. 2029

40 ‘Life is a succession of lessons which must be lived to be understood’ is said by

A. William Wordsworth
B. Helen Keller
C. Mother Teresa
D. Rabindranath Tagore

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NAME_____SEC_____ROLL NO _____

CODE:A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I :[2026-2027]
INFORMATION TECHNOLOGY (802)
CLASS: XI

TIME: 1 ½ Hrs. **Maximum Marks:40**

==========

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **13 questions** in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **All questions are compulsory.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (20 MARKS):**
   - **i.** This section has 05 questions.
   - **ii.** There is no negative marking.
   - **iii.** Do as per the instructions given.
   - **iv.** Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (20 MARKS):**
   - **i.** This section contains 08 questions.
   - **ii.** Do as per the instructions given.
   - **iii.** Marks allotted are mentioned against each question/part.

==========

SECTION A: OBJECTIVE TYPE QUESTIONS

1. **Answer the following 4 questions on Employability Skills (1 x 4 = 04 marks)**

i. The _____ communication style is often used by those who act indifferently about the topic. 1

a.Passive b.Aggressive
c.Assertive d.none

ii. _____ are activities you do because you enjoy doing them. 1

a.Abilities b.Motivation
c.Interests d.Capabilities

iii. Diphthongs are _____ in number. 1

a.24 b.8 c.12 d.44

iv. Personal Hygiene is important because it helps us to **_____.** 1

a.stay unhealthy b.build our personality
c.look ugly d.all of these

2. **Answer the following 4 questions on (1 x 4= 04 marks)**

i. What is the extension of Open Office org Writer? 1

ii. In which case the capital letter will become small and lowercase letter will become capital. 1

iii. To divide a cell into two or more cells in a table in writer _____ option is used. 1

a.Merge cell b.Split cell
c.Toggle cell d.Zoom cell

iv. To count the number of words in the document _____ option is used. 1

a.Mail merge b.Spelling and Grammer
c.Word count d.Help

3. **Answer the following 4 questions on (1 x 4= 04 marks)**

i. The extension of Open Office org Calc is _____. 1
a..odp b..txt c..bmp d..ods

ii. The intersection of a row and a column is known as _____. 1
a.workarea b.list c.cell d.none

iii. _____ is the cell having highlighted cell boundary in Calc. 1

iv. The last row number in Calc is _____. 1

4. **Answer the following 4 questions on (1 x 4= 04 marks)**

i. State True or False. 1
& (ampersand) is used in Absolute Referencing.

ii. What is Fill handle in Calc? 1

iii. What is the use of RANDBETWEEN(f;m)? 1

iv. A$4 is an example of _____ referencing. 1
a.Relative b.Absolute
c.Mixed d.None

5. **Answer the following 4 questions on (1 x 4= 04 marks)**

i. _____ chart shows the change of values over time. 1
a.Line b.Column c.Pie d.Area

ii. A _____ chart is also known as frequency polygon. 1
a.Line b.Column c.Pie d.Area

iii.	_____ is showing the presentation on computer screen by applying visual effects. a.Transition b.Animation c.Slide Show d.none	1
iv.	_____ view allows user to make notes for the selected slide.	1

Answer the following 3 questions on Employability Skills (2 x 3 = 06 marks)

6.	Give any four advantages of visual communication.	2
7.	Mention two benefits of Networking Skills.	2
8.	Define Self-Motivation.	2

Answer the following 2 questions (2 x 2 = 04 marks)

9.	What is the difference between Auto Filter and Advance Filter in Calc.	2
10.	Define Charts in Calc.	2

Answer the following 2 question (3 x 2 = 06 marks)

11.	What is the difference between Slide Sorter View, Outline view and Handout view in Impress.	3
12.	Define: a. Slide Master b. Sorting of data c. Legend	3

Answer the following 1 question (4 x 1 = 04 marks)

13.	Mention four tasks you can do when you work in any word processor.	4

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NAME_____SEC_____ROLL NO _____

CODE:B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I :[2026-2027]
INFORMATION TECHNOLOGY (802)
CLASS: XI

TIME: 1 ½ Hrs. **Maximum Marks:40**

==========

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **13 questions** in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **All questions are compulsory.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (20 MARKS):**
   - **i.** This section has 05 questions.
   - **ii.** There is no negative marking.
   - **iii.** Do as per the instructions given.
   - **iv.** Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (20 MARKS):**
   - **i.** This section contains 08 questions.
   - **ii.** Do as per the instructions given.
   - **iii.** Marks allotted are mentioned against each question/part.

==========

SECTION A: OBJECTIVE TYPE QUESTIONS

1.	**Answer the following 4 questions on Employability Skills (1 x 4 = 04 marks)**	
i.	Every word which we speak makes a particular sound while speaking, this study is known as _____. a.Phonetics b.Punctuation c.Assertive d.none	1
ii.	_____ refers to those areas where you are good at. a.Weakness b.Motivation c.Interests d.Strength	1
iii.	_____ is the process of taking your message and transferring it into the proper format for sharing it with your audience. a.Channel b.Encoding c.Decoding d.Feedback	1
iv.	_____ helps us to understand sharing of things among our peers. a.team work b.motivation c.grooming d.all of these	1
2.	**Answer the following 4 questions on (1 x 4= 04 marks)**	
i.	What is the extension of Open Office org Impress?	1
ii.	What is Cell Reference?	1
iii.	y-axis is also known as _____axis. a.Category b.Data c.Value d.none	1
iv.	_____option is used to find text from the slide and then replace it with a new text. a.Copy b.Move c.Undo d.Find & Replace	1
3.	**Answer the following 4 questions on (1 x 4= 04 marks)**	
i.	A formula starts with a _____ sign a.& b.% c.= d.$	1

ii.	_____ view in a presentation is the main editing view for writing and creating slides. a.Normal b.Outline c.Notes d.Slide Sorter	1
iii.	_____ moves the cursor to the first cell in the sheet .	1
iv.	The total number of columns in Calc is _____.	1
4.	**Answer the following 4 questions on (1 x 4= 04 marks)**	
i.	State True or False. Mail merge wizard is present in Tool Tab.	1
ii.	What is Header in a document?	1
iii.	What is Formatting in a spreadsheet?	1
iv.	A4 is an example of _____ referencing. a.Relative b.Absolute c.Mixed d.None	1
5.	**Answer the following 4 questions on (1 x 4= 04 marks)**	
i.	The shortcut key to insert the table in a document is _____. a.Ctrl+F5 b.Ctrl+10 c.Ctrl+F12 d.Ctrl+4	1
ii.	A _____ chart is also known as histogram. a.Line b.Column c.Scatter d.Bar	1
iii.	_____ chart is beneficial for the stock market price evaluation. a.Net b.Stock c.Bubble d.Scatter	1
iv.	_____function is used to calculate integer quotient of division a/b.	1
	Answer the following 3 questions on Employability Skills (2 x 3 = 06 marks)	
6.	Name the 7C's of Communication	2
7.	Mention the four steps for building self-motivation.	2
8.	Define Time Management	2
	Answer the following 2 questions (2 x 2 = 04 marks)	
9.	What is a word processor?	2
10.	Name any four types of Charts.	2

Answer the following 2 question

(3 x 2 = 06 marks)

11.	What is Vertical Alignment? Mention the various types of Vertical Alignment.	3
12.	Define: a. Chart Area b. Animation c. Macro	3

Answer the following 1 question

(4 x 1 = 04 marks)

13.	Explain any four Change Case options used in a word processor.	4

==========

Name :_____ Sec:_____ Roll No:___

CODE : B

BURNPUR RIVERSIDE SCHOOL,BURNPUR
PERIODIC TEST I: (2026– 2027)
PHYSICAL EDUCATION
CLASS: XI

Time: 1 ½ Hours **Maximum Marks: 40**

==========

General Instructions:

1. The question paper contains 21 questions.
2. Section A Question 1 to 7 carry 01 mark each and are Multiple Choice Questions (All the question are compulsory)
3. Section B Question 8 to 13 carry 02 marks each and shall not exceed 40 to 60 words(Attempt any 5)
4. Section C Question 14 to 17 carry 03 marks each and shall not exceed 80 to 100 words(Attempt any 3)
5. Section D Question No.18 case based question carries 4 marks.
6. Section E Question 19 to 21 carry 05 marks each and shall not be exceed 150-200 words(Attempt any 2)

==========

Section- A

Choose the correct option:

1. "Physical education is that phase of the whole field of education that deals with big muscle activities and their related responses "-who said this? 1

a)C.A Bucher b) C.C Cowell
c)J. B Nash. d) J. F Williams

2. What is the full form of SAI? 1

a) Sports aquatic of India
b) Sport Authority of India
c) Sponsor authority of India
d) State Authority of India

3.	In which year the first Olympic games were held? a) 1892 b)1896 c)1921 d)1924	1
4.	Who was the first President of IOC ? a) Baron de Coubertin b) C.L. Brownell c) Dr. Noehren d) Demitrios Vikelas	1
5.	World Yoga Day is celebrated on a) 21st June b) 23rd June c)13th July d) 15th July	1
6.	How many elements are there in Yoga? a)5. b)6. c)7 d)8	1
7.	Which one of the following is not an example of Yama? a) Truthfulness b) Non stealing c) Santosh d) Aparigraha	1

Section -B

Answer the following questions.

8.	What is the vision of Khelo India Programme?	2
9.	What is the aim of physical education?	2
10.	Write a short note about Olympic Flag?	2
11.	What is the main function of NOC's?	2
12.	Define Yoga?	2
13.	Explain any one element of 'Yoga'.	2

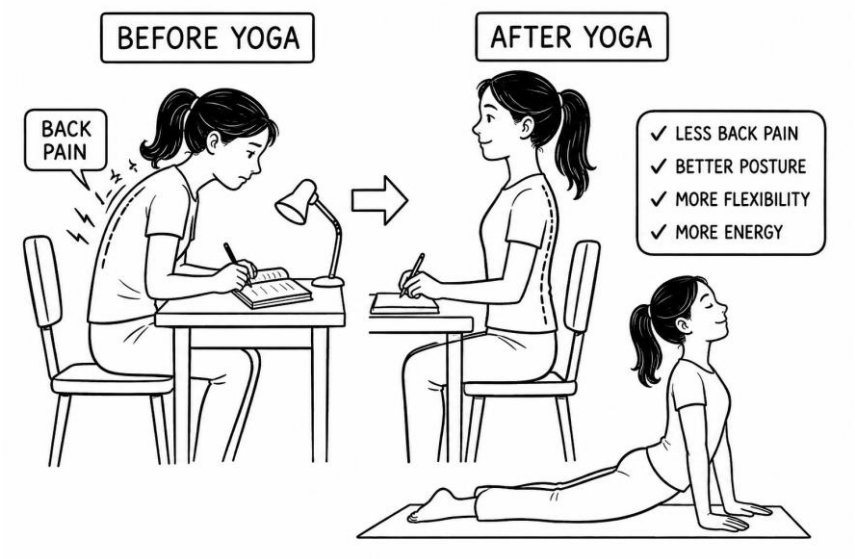
Section -C

Answer the following questions.

14.	Explain any two career options in Physical Education?	3
15.	What is Fit India Programme?Write its obejectives.	1+2
16.	Elaborate objectives of IOC.	3
17.	How can yoga help in maintaining a healthy lifestyle?	3

Section -D
Case Based questions.(Based on the following passages answer the questions)

18. Sarah, a 17 years old student was struggling with back pain and poor posture due to long hours of studying and sitting at her desk, concerned about her health, she decided to incorporate yoga into her daily routine After just a few weeks of practicing yoga poses targeted at improving posters and strengthen her back muscle ,Sarah noticed a significant reduction in her back pain and an improvement in her posture. She also experienced increased flexibility and felt more energized throughout the day. 1x4=4



i) What prompt Sarah to incorporate yoga into her daily routine?

a) Joint pain
b) Back and poor posture.
c) Headache
d) Stress

ii) What benefits did Sarah experience from practicing yoga?

a) Increased stress levels
b) Reduce back pain and improved posture.
c) Decreased flexibility.
d) Feeling fatigued throughout the day

iii) How long did it take for Sarah to notice improvement in her back pain and Posture?

a) After a month
b) After few week
c)Several days
d)One year

iv)What type of Yoga process did Sarah focus on to address her specific concerns?

a)Posses for arm strength
b)Poses for balance
c)Poses for flexibility
d)Poses for improving posture an strengthening back muscle.

Section-E
Long Answer Type

19.	What are the objectives of physical education?	5
20.	What is Olympism? Discuss its values in details?	2+3
21.	What are the procedure and benefits of Kapalbhati?	5

****

Name: _____ Sec: ____ Roll No.: ____

CODE: A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST :1 [2026-2027]
PHYSICAL EDUCATION
CLASS: XI

Time: 1½ Hours. **Maximum Marks: 40**

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General Instructions:-

1. The question paper consists of 5 sections and 21 questions.
2. Section A Consists of question 1-7 carrying 1 mark each and is multiple choice questions. All questions are compulsory.
3. Section B consists of questions 8-13 carrying 2 marks each and are very short answer types and should not exceed 60-90 words. Attempt any 5.
4. Section C consists of questions 14-17 carrying 3 marks each and are short answer types and should not exceed 100-150 words. Attempt any 3.
5. Section D consist of questions no.18 carrying 4 marks and are case studies.
6. Section E consists of questions 19-21 carrying 5 marks each and are long answer types and should not exceed 200-300 words. Attempt any 2.

SECTION-A
[All questions are compulsory]

1. Khelo-India Programme was launched by: 1
   a) Private sector
   b) Government of India
   c) Schools
   d) NGOs

2. Given below are two statements, one of which is labelled as Assertion (A) and the other is labelled as Reason (R). 1
   Read both the statements carefully:
   Assertion (A):- Career opportunities in Physical Education are limited.
   Reason (R):- There are many job roles like coach, trainer and physiotherapist.
   In the context of the above two statements, which one of the following is correct?

A) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

B) Both Assertion and Reason are true and but Reason is not the correct explanation of Assertion.

C) Assertion is true, but Reason is false.

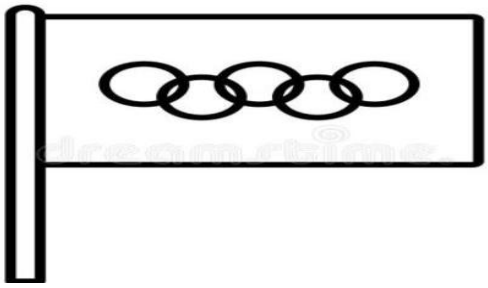
D) Assertion is false, but Reason is true.

3. Match List-I with List-II and select the correct options: 1

List-I	List-II
a) Olympic Motto	(i) 5 rings
b) Olympic Symbol	(ii) 4 years
c) Olympic Games	(iii) Faster, Higher and Stronger
d) Pierre de Coubertin	(iv) Founder of modern Olympic

	a	b	c	d
A.	ii	iii	i	iv
B.	i	iii	iv	ii
C.	iii	i	ii	iv
D.	iii	ii	iv	i

4. Picture based questions: 1



How many colours are there in the Olympic flag?

a) 5

b) 6

c) 7

d) 4

5. World Yoga Day is celebrated on: 1

a) 20th June

b) 21st June

c) 22nd June

d) 23rd June

6. Yoga Nidra is performed in: 1
   a) Shavasana
   b) Bhujangasana
   c) Vajrasana
   d) Sirshasana

7. Yoga originated in: 1
   a) China
   b) Japan
   c) Greece
   d) None of these

SECTION-B

(Attempt any 5 questions)

8. What is the vision of khelo-India programme? 2
9. Why Physical Education is important for career growth? 2
10. Who was the founder and current President of IOC? 1+1=2
11. Mention any two functions of IOC. 1+1
12. Enlist the eight elements of yoga. 2
13. Mention any four benefits of Jalaneti. ½×4=2

SECTION-C

(Attempt any 3 questions)

14. Name the careers available in the field of sports and describe any one career options in detail. 1+2=3
15. What is Fit India Programme? Write it's objectives. 1+2=3
16. Mention any three objectives of Modern Olympic Games. 1+1+1=3
17. What is Pranayama? Write any two benefits of Pranayama. 1+2=3

SECTION-D

18. Kabir Bahadur Saha is a class 11 student who has been experiencing poor digestion, frequent stomach discomfort and low energy levels. Due to his busy schedule and unhealthy eating habits, he often feels tired and inactive throughout the day. His Physical Education Teacher observed his condition and advised him to adopt a healthier lifestyle. The teacher suggested that Kabir Bahadur Saha should practice yoga regularly, especially kapalbhati. 1×4

Answer the following questions based on the above case and your prior knowledge:

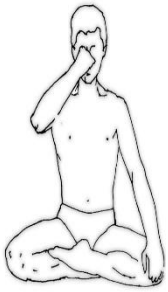
i) Kapalbhati is a type of:
   a) Asana
   b) Pranayama
   c) Exercise
   d) Meditation

ii) This practice focuses on:
   a) Breathing
   b) Running
   c) Jumping
   d) Sitting

iii) Regular practice results in:
   a) Poor health
   b) Improved health
   c) Weakness
   d) No change

iv) Identify the kapalbhati asana:

A) 

B) 

C) 

D) 

SECTION-E

(Attempt any 2 questions)

19.	What do you mean by aims and objectives of Physical Education? Discuss any three objectives of Physical Education.	1+1+3= 5
20.	When was the IOA established? Write the another name of IOA and mention any three objectives of IOA.	1+1+3= 5
21.	What do you mean by Yoga? Create a mind map showing the importance of yoga in modern life.	1+4=5

****

Name:_____Sec:____ Roll No:_

CODE A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST:1[2026-27]
POLITICAL SCIENCE
CLASS-XI

Time: 1½ Hours **Maximum Marks:40**

==========

General Instructions:

1. This question paper consists of five sections (A, B, C, D and E) with 16 questions in total.
2. All questions are compulsory.
3. Question numbers 1 to 8 are multiple choice questions of one mark each.
4. Question numbers 9 and 10 are of 2 marks each. Answers to these questions should not exceed 50-60 words each.
5. Question numbers 11 and 12 are of 4 marks each. Answers to these questions should not exceed 100-120 words each. There are internal choices in the 4 marks
6. questions
   Question numbers 13 and 14 are picture, and passage-based questions. Answer accordingly.
7. Question numbers 15 - 16 are of 6 marks each. Answers to these questions should not exceed 170-180 words. There are internal choices in all the 6 marks questions.

==========

SECTION-A

1. **Choose the correct option:** **1**

A Constitution is a body of fundamental principles according to which _____ is constituted.

A. every citizen
B. a state
C. legislature
D. judiciary

2. **Read the following statements about Preventive Detention and choose the correct option:** **1**

i. If the government feels that a person can be a threat to law and order or to the peace and security of the nation it can detain or arrest that person.

ii. Preventive Detention is an effective tool in the hands of the government to deal with anti-social elements of the nation.

iii. A person who is arrested after he or she has reportedly committed some offence is called the procedure of preventive detention.

OPTIONS

A. i and ii are correct
B. ii and iii are correct
C. only i is correct
D. only ii is correct

3. **Which of the following political thinker argued that 'freedom is one of the fundamental rights for the human kind'?** **1**

A. Aristotle
B. Jean Jacques Rousseau
C. Plato
D. Machiavelli

4. **In the following question a statement of Assertion followed by a statement of Reason is given. Choose the correct answer out of the following choices:** **1**

(a) Both the Assertion and Reason are correct and Reason is the correct explanation of the Assertion.
(b) Both the Assertion and Reason are correct but Reason is NOT the correct explanation of the Assertion.
(c) The Assertion is incorrect but the Reason is correct.
(d) The Assertion is correct but the Reason is incorrect.

Assertion (A): Freedom of speech is the most important liberty of people in a democratic policy.
Reason (R): The State can regulate free speech in the interest of public order.

5. **Choose from the given statements the responsibilities which are NOT assigned to the Constitution by the South African government?** **1**

A. Statement 1: To promote conservation of nature.
B. Statement 2: To promote unfair discrimination.
C. Statement 3: To ensure adequate housing.
D. Statement 4: To provide better health care.

6. **Match the following:** **1**

I	**II**
i. The Indian Constitution was adopted	a. 1928
ii. Demand for Bill of Rights put forward	b. 1949
iii. Constitution of South Africa was inaugurated	c. 1993
iv. NHRC was established	d. 1996

OPTIONS:

A. i-a, ii-b, iii-c, iv-d
B. i-b, ii-a, iii-c, iv-d
C. i-b, ii-a, iii-d, iv-c
D. i-a, ii-c, iii-b, iv-d

7. **What is implied by saying 'politics envelops us like the coils of a snake'?** **1**

A. Politics is easy to escape from.
B. Politics is a simple, straight forward activity.
C. Politics is pervasive and unavoidable in society.
D. Politics is an insignificant part of societal functioning.

8. **The autobiography 'Long Walk to Freedom' is written by _____.** **1**

A. Mahatma Gandhi
B. Salman Rushdie
C. Nelson Mandela
D. Aung San Sui Kyi

SECTION-B

9. From where does the Constitution draw its authority? **2**

10. 'Vigilant citizens are a must for the successful working of a democracy.' Comment. **2**

SECTION-C

11A. "Fundamental Rights are different from ordinary rights." Explain. **4**

OR

11B. "Freedom of Religion is not an unlimited right." Justify.

12A. What are constraints? Why are they necessary in a society? **4**

OR

12B. Throw light on the concept of freedom and write its various interpretations.

SECTION-D

13. **Study the given picture carefully and answer the questions that follow:**

i) Name the Fundamental Right whose violation is depicted in the photograph: **1**

A. Right to Constitutional Remedies
B. Right to Freedom of Religion
C. Cultural and Educational Rights

D. Right against Exploitation



ii) The Supreme Court held that building construction work was hazardous employment where children below the age of _____ years should not be employed. **1**

A. 21 B.14 C.6 D.7

iii) The state had employed people for the construction of roads. It was found that these workers were forced to do labour without payment. The workers were promised that they would be paid after the completion of the project, but they were not given any money. Analyse the situation and choose the correct option: **1**

A. It is a situation of power of state.
B. It is a situation of begar.
C. It is a situation of human trafficking.
D. It is a situation of denial of right to equality.

iv) As the _____ has become a fundamental right for children, the right against exploitation has become more meaningful. **1**

A. Right to Education
B. Right to Dignity
C. Right to Privacy
D. Right to Information

14. Read the passage carefully and answer the following questions:

At various times there have been demands to ban books, plays, films or academic articles in research journals. Let us think about this demand to ban books in the light of our discussion so far which sees freedom as 'the making of choices,' where a distinction is made between 'negative' and 'positive' liberty where we recognise the need for justifiable constraints' but these have to be supported by proper procedures and important moral arguments. Freedom of Expression is a fundamental value and for that society must be willing to bear some inconvenience to protect it from people who want to restrict it. Remember Voltaire's statement – 'I disapprove of what you say but I will defend to death your right to say it'. How deeply are we committed to this freedom of expression?

i) What are the two aspects of liberty? **1**

A. True and untrue
B. Positive and negative
C. Right and wrong
D. Accurate and arbitrary

ii) Justifiable constraints can be supported through..... **1**

A. Moral arguments
B. Proper procedures
C. Ban on newspapers
D. Both A and B

iii) What is the term used in the Constitution of India for justifiable constraints? **1**

A. Reasonable restrictions
B. Forced limitations
C. Rules and regulations
D. Enforceable laws

iv) Name the 19th century political thinker who offered a passionate defence of freedom of expression, including freedom of thought and discussion. **1**

A. J.S Mill
B. Herbert Spencer
C. Karl Marx
D. Hegel

SECTION -E

15A. i. 'The Indian Constitution expresses the fundamental identity of its citizens.' Explain. **6**

ii. How can you say that our Constitution possesses an intelligent institutional design?

OR

15B. i. 'Parliament is subordinate to that of the Constitution of India.' Explain.

ii. What features of our Constitution have been adopted from the constitutions of other countries?

16A. i. Describe in detail the meaning of Political Theory. **6**

ii. What do we study in this subject?

OR

16B. i. How is politics seen by different sections of the society?

ii. Why do you think it is necessary for the common people to study political theory?

****

Name:_____Sec:_____ Roll No:_____

CODE B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST:1[2026-27]
POLITICAL SCIENCE
CLASS-XI

Time: 1½ Hours **Maximum Marks:40**

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General Instructions:

1. This question paper consists of five sections (A, B, C, D and E) with 16 questions in total.
2. All questions are compulsory.
3. Question numbers 1 to 8 are multiple choice questions of one mark
4. each.
5. Question numbers 9 and 10 are of 2 marks each. Answers to these questions should not exceed 50-60 words each.
6. Question numbers 11 and 12 are of 4 marks each. Answers to these questions should not exceed 100-120 words each. There are internal choices in the 4 marks questions
7. Question numbers 13and 14 are picture, and passage-based questions. Answer accordingly.
   Question numbers 15-16 are of 6 marks each. Answers to these questions should not exceed 170-180 words. There are internal choices in all the 6 marks questions.

SECTION-A

1. **Choose the correct option**: **1**

The Indian Constitution was formally created by a Constituent Assembly between _____ to _____.

A. December 1947 to November 1949
B. November 1946 to December 1949
C. December 1946 to November 1949
D. January 1947 to November 1949

2. **According to which Amendment Act, the Fundamental Duties of citizens was included in our Constitution?** **1**

A. 40th Amendment Act
B. 41st Amendment Act
C. 42nd Amendment Act
D. 44th Amendment Act

3. **Where do the Gandhian Principles find a place in our Constitution?** **1**

A. Fundamental Rights
B. Directive Principles
C. Fundamental Duties
D. Emergency Rights

4. **In the following question a statement of Assertion followed by a statement of Reason is given. Choose the correct answer out of the following choices:** **1**

(a) Both the Assertion and Reason are correct and Reason is the correct explanation of the Assertion.

(b) Both the Assertion and Reason are correct but Reason is NOT the correct explanation of the Assertion.
The Assertion is incorrect but the Reason is correct.
The Assertion is correct but the Reason is incorrect.

(c) **Assertion (A):** The society does not need any mechanism to control violence and settle disputes.

(d) **Reason (R):** So long as we are able to respect each other's views and do not attempt to impose our views on others, we may be able to live freely and with minimum constraint.

5. **Read the following statements and choose the INCORRECT option with regard to the procedures followed in the making of our Constitution.** **1**

A. Statement I: Dr. Rajendra Prasad was the President of the Constituent Assembly.

B. Statement II: Patel and Nehru disagreed on many provisions of the Indian Constitution.

C. Statement III: Parliamentary form of government was the only provision on which no debates or clashes occurred.

D. Statement IV: Mahatma Gandhi was not a member of the Constituent Assembly.

6. **Match the following:** **1**

I	**II**
i. Right to Constitutional Remedies	a. non-justiciable rights.
ii. Right to Work	b. deleted from the list of Fundamental Rights.
iii. Right to Property	c. also includes the freedom of conscience
iv. Right to Freedom of Religion	d. considered as 'heart and soul' of our Constitution.

OPTIONS:

A. i-a, ii-b, iii-c, iv-d
B. i-b, ii-a, iii-d, iv-c
C. i-c, ii-d, iii-a, iv-b
D. i-d, ii-a, iii-b, iv-c

7. **Political Theories work on the ideas of _____ of rights.** **1**

A. Not to interpretation
B. Reinterpretation
C. Forceful implementation
D. Brutal suppression

8. **Who wrote the book "Freedom from Fear'?** **1**

A. Nelson Mandela
B. Mahatma Gandhi
C. J.S Mill
D. Aung San Sui Kyi

SECTION-B

9. Write two important functions of our Constitution. **2**

10. Do you think studying political theory is like studying Mathematics? Give reasons for your answer. **2**

SECTION-C

11A. Why are Directive Principles important? Give any two points of difference between Directive Principles and Fundamental Rights. **4**

OR

11B. What is the composition of NHRC? Write any two of its functions.

12A. Throw light on the Gandhian notion of '*swaraj*'. **4**

OR

12B. Write the main features of the 'Harm Principle' advocated by J.S.Mill.

SECTION-D

13. **Study the given picture carefully and answer the questions that follow:**



i) Which Fundamental Right of the Indian Constitution deals with protection of the language of minorities? **1**

A. Right to Equality
B. Right to Freedom
C. Cultural and Educational Rights
D. Right against Exploitation

ii) Which of the following is NOT TRUE about the rights of the minorities? **1**

A. All minorities are free to establish their own educational institutions.
B. Rights help them to preserve and develop their own culture.
C. The government will not provide any aid to these institutions.
D. These rights help to promote language and culture of minorities.

iii) What does not make India a monolithic society. **1**

A. Education
B. Fundamental Rights
C. Diversity
D. Freedom of Expression

iv) What is the full form of PUCL? **1**

A. People's Union for Civil Liberties
B. People's Union for Civic Liberties
C. People's United for Civil Liberties
D. People's Unity for Civil Liberties

14. Read the passage carefully and answer the following questions:

At various times there have been demands to ban books, plays, films or academic articles in research journals. Let us think about this demand to ban books in the light of our discussion so far which sees freedom as 'the making of choices,' where a distinction is made between 'negative' and 'positive' liberty where we recognise the need for justifiable constraints' but these have to be supported by proper procedures and important moral arguments. Freedom of Expression is a fundamental value and for that society must be willing to bear some inconvenience to protect it from people who want to restrict it. Remember Voltaire's statement – 'I disapprove of what you say but I will defend to death your right to say it'. How deeply are we committed to this freedom of expression?

i) What are the two aspects of liberty? **1**

A. True and untrue
B. Positive and negative
C. Right and wrong
D. Accurate and arbitrary

ii) Justifiable constraints can be supported through..... **1**

A. Moral arguments
B. Proper procedures
C. Ban on newspapers
D. Both A and B

iii) What is the term used in the Constitution of India for justifiable constraints? **1**

A. Reasonable restrictions
B. Forced limitations
C. Rules and regulations
D. Enforceable laws

iv) Name the 19^{th} century political thinker who offered a passionate defence of freedom of expression, including freedom of thought and discussion. **1**

A. J.S Mill
B. Herbert Spencer
C. Karl Marx
D. Hegel

SECTION-E

15A. i. What have we inherited from the National Movement in our country? **6**

ii. What was the basic idea of the Indian Constitution makers?

OR

15B. i. Why is it necessary for a country to have a clear demarcation of powers and responsibilities in the Constitution?

ii. What would happen in the absence of such a demarcation?

16A. i. How can you say that political theory is still relevant in today's times? **6**

ii. What do the political theorists study?

OR

16B. i. Discuss the contribution of a few political thinkers which still holds relevance in modern day politics.

ii. How does politics influence our daily life? Explain through an example.

****

Name:_____ Sec:_____ Roll No:____

CODE : A

BURNPUR RIVERSIDE SCHOOL, BURNPUR

PERIODIC TEST :1 [2026-2027]

PHYSICS

CLASS XI

TIME: $1\frac{1}{2}$ Hours **Maximum Marks: 40**

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All questions are compulsory.
Section A contains five questions of 1 mark each.
Section B contains two questions of 1 mark each.
Section C contains three questions of 2 marks each.
Section D contains five questions of 3 marks each.
Section E contain one case-based question of 4 marks.
Section F contains two questions of 5 marks each.

==========

SECTION: A

Question 1 to 5 are multiple choice type question, choose correct option only.

1. An unknown quantity γ is expressed as $\gamma=\frac{2ma}{\beta}\ log(1+\frac{2\beta l}{ma})$. Then find dimension of γ. Where m=mass, a=acceleration, l=length 1

(a)[MLT] (b) $[M^2LT^2]$ (c) $[M^0LT^0]$ (d))$[MLT^{-1}]$

2. The force F is given in terms of time t and distance x by F=[AsinCt+BCosDx] .Then dimension of C/D is : 1

(a)$ML^{7/2}T^{-2}$ (b)$ML^{11/2}T^{-2}$ (c)$M^0\ L^{-1}T$ (d)$M^0\ LT^{-1}$

3. A stone is thrown up vertically with a speed of 50m/s. After 2 sec another stone is thrown vertically up. The two stones pass each other at a height of 45m. The velocity of second stone in m/sec is: 1

(a)230/7 (b) 250/7 (c) 270/7 (d)290/7

4. A particle is falling freely. If sum of distance travelled in n^{th} and $(n+1)^{th}$ is 100 m, then its velocity after n seconds in m/sec is: 1

(a)20 (b)30 (c)50 (d) 60

5. The equation of projectile is $y=(ax-bx^2)$. Then find the range?

(a)Data insufficient (b) ab (c) a/b (d) b/a

6. The resultant of two forces 2p and $\sqrt{2}$p is $\sqrt{10}$p. Find the angle between them.
(a)45° **(b) 60°** **(c) 90°** **(d) 30°**

SECTION: B

Reasoning Assertion type:

Instruction for question no 6 to 7.

Question contains two statements, Assertion and Reason. Question also has four alternative choices, only one of which is the correct answer. You have to select one of the codes (a), (b), (c) and (d) from given below.
(a) Assertion is correct, reason is correct; reason is a correct explanation for assertion.
(b) Assertion is correct, reason is correct; reason is not a correct explanation for assertion
(c) Assertion is correct; reason is false.
(d) If both Assertion and reason is false.

7. **Assertion (A):** A body moving with constant speed can have varying velocity. 1
Reason (R): Velocity is a vector quantity; it has both magnitude and direction.

8. **Assertion (A):** The horizontal component of velocity in projectile motion remains constant, throughout the flight. 1
Reason (R): There is no horizontal acceleration acting on a projectile in absence of air resistance.

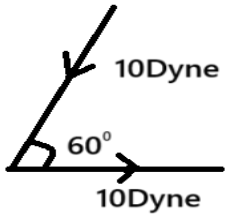
SECTION: C

Each carry two marks:

9. Find the dimension of a/b in equation **P** = $\frac{a-t^2}{bx}$, where p is pressure, x=distance and t=time. 2

10. Prove the relation v=**u+at** using calculus. 2

11. Two forces are shown on the diagram given below. Find their resultant. 2



SECTION: D

Each carry three marks:

12. (a)Consider the relation $\frac{d}{dt}\int(\boldsymbol{F}.\boldsymbol{ds})$=**A(F.p),** where F=force, s=displacement=time and p=momentum. Then find dimension of A. 3
(b) Write dimension of Planck's constant.

13. Prove the relation $\mathbf{S_{nth}} = \mathbf{u} + \frac{a}{2}\mathbf{(2n-1)}$ using graph. 3

14. In a car race, car **A** takes t sec less than that of **B** and passes the finishing point with a velocity v more than car **B**. If the cars start from rest with accelerations $\mathbf{a_1}$ and $\mathbf{a_2}$, then prove that $\frac{v}{t} = \sqrt{a_1 a_2}$. 3

15. A projectile is thrown with a velocity of u at angle of θ with horizontal, Derive the expression of maximum height, time of flight and horizontal range. 3

SECTION: E

Case Based question.

16. **The velocity of an object at any particular instant of time is called its instantaneous velocity. It is the limit of average velocity when time interval becomes infinitesimally small**. Choose the correct option:

(a) A body is allowed to fall freely from a height of h. Then the time taken to reach the ground is: 1

(i) $\sqrt{2gh}$ **(b)** $\sqrt{gh}$ **(c)** $\frac{1}{2}\sqrt{gh}$ **(d)** $\sqrt{\frac{2h}{g}}$

(b) A body is allowed to fall freely from a height of h. Find the velocity with which it reaches the ground. 1

(i)$\sqrt{2gh}$ (b) $\sqrt{gh}$ (c)$\frac{1}{2}\sqrt{gh}$ (d)$\sqrt{\frac{2h}{g}}$

(c) If t=$\sqrt{x}$ +4 , then velocity at t=4 sec will be: 1

(i)4 m/s (ii) zero m/s (iii)8m/s (iv) 16m/s

(d) A car is driving at a rate of 54km/hr and stops after applying brakes with 5sec.Then the retardation is : 1

(a)a=3m/s^2 (b)a=6m/s^2

(c)a=9m/s^2 (d)can not be determined

SECTION: F

Long answer type question:

17. (a) In a new system of units, fundamental quantities mass, length and time are replaced by acceleration **a**, density $\boldsymbol{\rho}$ and frequency **f**. Then find dimension of force in this system. 3

(b) The value of G in SI system is 6.67×10^{-11}N-m^2/kg^2. Then derive its value in CGS system using dimension analysis. 2

18. (a) State triangle law of vector. 2

(b) State and prove Parallelogram law of vector. 3

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Name:_____ Sec:_____ Roll No:_____

CODE : B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST:1 [2026-2027]
PHYSICS
CLASS -XI

TIME: $1\frac{1}{2}$ Hours **Maximum Marks: 40**

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All questions are compulsory.
Section A contains five questions of 1 mark each.
Section B contains two questions of 1 mark each.
Section C contains three questions of 2 marks each.
Section D contains five questions of 3 marks each.
Section E contain one case-based question of 4 marks.
Section F contains two questions of 5 marks each.

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SECTION: A

Question 1 to 5 are multiple choice type question, choose correct option only.

1. An unknown quantity γ is expressed as $\gamma=\frac{2ma}{\beta}\ log(1+\frac{2\beta l}{ma})$. Then find dimension of γ. Where m=mass, a=acceleration, l=length 1

(a)[MLT] (b) $[M^2LT^2]$ (c) $[M^0LT^0]$ (d))$[MLT^{-1}]$

2. The force F is given in terms of time t and distance x by F=[AsinBx+BCosDt] .Then dimension of AD/B is : 1

(a)$M^0\ LT^{-1}$ (b)$ML^2\ T^{-3}$ (c)MLT^{-2} (d)$M^2L^2\ T^{-3}$

3. A stone is thrown up vertically with a speed of 50m/s. After 2 sec another stone is thrown vertically up. The two stones pass each other at a height of 45m. The velocity of second stone in m/sec is: 1

(a)230/7 (b) 250/7 (c) 270/7 (d)290/7

4. A particle is falling freely. If sum of distance travelled in n^{th} and $(n+1)^{th}$ is 100 m, then its velocity after n seconds in m/sec is: 1

(a)20 (b)30 (c)50 (d) 60

5. The equation of projectile is $y=(ax-bx^2)$. Then find the range?

(a)Data insufficient (b) ab (c) a/b (d) b/a

6. Find the value of p for which vector A=$3\hat{\imath}+2\hat{\jmath}+9\hat{k}$ and vector B=$\hat{\imath}+p\hat{\jmath}+3\hat{k}$ are perpendicular to each other.

(a)-15 (b) 15 (c) 5 (d) -5

SECTION: B

Reasoning Assertion type:

Instruction for question no 6 to 7.

Question contains two statements, Assertion and Reason. Question also has four alternative choices, only one of which is the correct answer. You have to select one of the codes (a), (b), (c) and (d) from given below.

(a) Assertion is correct, reason is correct; reason is a correct explanation for assertion.

(b) Assertion is correct, reason is correct; reason is not a correct explanation for assertion

(c) Assertion is correct; reason is false.

(d) If both Assertion and reason is false.

7. **Assertion (A):** A body moving with constant speed can have varying velocity. 1
Reason (R): Velocity is a vector quantity; it has both magnitude and direction.

8. **Assertion (A):** The horizontal component of velocity in projectile motion remains constant, throughout the flight. 1
Reason (R): There is no horizontal acceleration acting on a projectile in absence of air resistance.

SECTION: C

Each carry two marks:

9. Find the dimension of AB in equation U= $\frac{A\sqrt{X}}{X^2+B}$, where U is Potential Energy, x=distance . 2

10. Prove the relation **s=ut +**$\frac{1}{2}at^2$,using calculus where terms have usual meaning. 2

11. Find the scalar product of $\bar{a}=2\hat{\imath}+5\hat{k}$ and $\bar{b}=3\hat{\jmath}+5\hat{k}$ 2

SECTION: D

Each carry three marks:

12. (a)Consider the relation $\frac{d}{dt}\int(\boldsymbol{F}.\boldsymbol{ds})$=**A(F.p),** where F=force, s=displacement=time and p=momentum. Then find dimension of A. 3

(b) Write dimension of universal Gravitational constant.

13. Prove the relation $\mathbf{v^2=u^2+2as}$ using calculus. 3

14. In a car race, car **A** takes t sec less than that of **B** and passes the finishing point with a velocity v more than car **B**. If the cars start from rest with accelerations $\mathbf{a_1}$ and $\mathbf{a_2}$, then prove that $\frac{v}{t}=\sqrt{a_1 a_2}$. 3

15. A projectile is thrown with a velocity of u at angle of θ with horizontal, Derive the expression of maximum height, time of flight and horizontal range. 3

SECTION: E

Case Based question.

16. **The velocity of an object at any particular instant of time is called its instantaneous velocity. It is the limit of average velocity when time interval becomes infinitesimally small**. Choose the correct option:

(a) A body is allowed to fall freely from a height of h. Then the time taken to reach the ground is: 1

(i)$\sqrt{2gh}$ **(b)** $\sqrt{gh}$ **(c)**$\frac{1}{2}\sqrt{gh}$ **(d)**$\sqrt{\frac{2h}{g}}$

(b) A body is allowed to fall freely from a height of h. Find the velocity with which it reaches the ground. 1

(i)$\sqrt{2gh}$ **(b)** $\sqrt{gh}$ **(c)**$\frac{1}{2}\sqrt{gh}$ **(d)**$\sqrt{\frac{2h}{g}}$

(c) If t=$\sqrt{x}$ +4 , then velocity at t=4 sec will be: 1

(i)4 m/s (ii) zero m/s (iii)8m/s (iv) 16m/s

(d) A car is driving at a rate of 54km/hr and stops after applying brakes with 5sec.Then the retardation is : 1

(a)a=3m/s^2 **(b)a=6m/s^2**

(c)a=9m/s^2 **(d)can not be determined**

SECTION: F

Long answer type question:

17. (a) It has been observed that velocity of ripple waves produced in water depends on wave length (λ) , density of water (ρ) and surface tension (T). Obtain an expression for velocity of waves using dimension analysis. 3

    (b) The value of G in SI system is 6.67×10^{-11} N-m^2/kg^2. Then derive its value in CGS system using dimension analysis. 2

18. (a) State triangle law of vector. 2

    (b) State and prove Parallelogram law of vector. 3

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Name:_____ Sec:_____ Roll No:_____

CODE :A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST - 1 [2026 – 2027]
MATHEMATICS
CLASS - XI

TIME: $1\frac{1}{2}$ Hrs. **Maximum Marks: 40**

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General Instructions:

1. This question paper contains – **five sections** A, B, C, D and E. Each section is compulsory. However, there are internal choices in some questions.
2. **Section A** has 14 **MCQ's and 02** Assertion – Reason based questions of 1 mark each.
3. **Section B** has 04 **Short Answer (SA) – type** questions of 2 marks each.
4. **Section C** has 01 **Long Answer (LA-I) – type** questions of 3 marks.
5. **Section D** has 01 **Long Answer (LA-II) – type** question of 5 marks.
6. **Section E** has 02 **Case Based (CBQ) – type** questions of 4 marks each with sub parts.

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SECTION - A
(Multiple Choice Questions)
Each question carries 1 mark.

1. Two finite sets have m and n elements respectively. The total number of subsets of first set is 56 more than the total number of subsets of the second set. The values of m and n respectively are. 1
   a) 8, 7
   b) 5, 1
   c) 6, 3
   d) 7, 6

2. If A and B are two given sets , then $A \cap (A \cap B)^c$ is equal to 1
   a) B
   b) ϕ
   c) A
   d) $A \cap B^c$

3. If A = {1, 2, 3}, and B = {1, 3, 5, 7}, then A∪ B= 1
a) {1, 2, 3, 7}
b) {1,3, 7}
c) {1, 3, 5, 7}
d) {1, 2, 3, 5, 7}

4. Let A be the finite set containing n distinct elements. The number of relations that can be defined on A is 1
a) 2^n
b) n^2
c) 2^{n^2}
d) 2^{n-1}

5. If n(A) = 3 and n(B) = 5, then n(A × B) = 1
a) 9
b) 5
c) 15
d) 25

6. The domain of the function f(x) = $\log_{3+x}$ (x^2 - 1) is 1
a) [- 3, - 1) ∪ [1, ∞)
b) (- 3, - 2) ∪ (- 2, - 1) ∪ (1, ∞)
c) (- 3, - 1) ∪ (1, ∞)
d) [- 3, - 2) ∪ (- 2, - 1) ∪ [1, ∞)

7. If 3 f (x) + 5f $\left(\frac{1}{x}\right) = \frac{1}{x} - 3$ for all non - zero x then f(x)= 1
a) $\frac{1}{16}\left(-\frac{3}{x} + 5x - 6\right)$
b) $\frac{1}{14}\left(-\frac{3}{x} + 5x - 6\right)$
c) $\frac{1}{14}\left(-\frac{3}{x} + 5x + 6\right)$
d) $\frac{1}{14}\left(\frac{3}{x} + 5x - 6\right)$

8. If z is any complex number, then $\frac{z-\bar{z}}{2i}$ is 1
a) purely real
b) purely imaginary
c) either 0 or purely imaginary
d) either 0 or purely real

9. A real value of x satisfies the equation $\left(\frac{3-4ix}{3+4ix}\right)$ = α - iβ (α , β ∈ R) if $\alpha^2 + \beta^2 =$ 1

a) - 1
b) - 2
c) 1
d) 2

10. If z = 3 + 4i, then $|z|$ = 1

a) -5
b) 5
c) 6
d) -6

11. If cos P = $\frac{1}{7}$ and cos Q = $\frac{13}{14}$,where P and Q both are acute angles. Then, the value of P - Q is 1

a) $\frac{\pi}{6}$
b) $\frac{\pi}{3}$
c) $\frac{\pi}{4}$
d) $\frac{5\pi}{12}$

12. cos 15° - sin 15° = ? 1

a) $\frac{1}{2}$
b) $\frac{1}{\sqrt{2}}$
c) $\frac{(\sqrt{2}+1)}{\sqrt{2}}$
d) $\frac{(\sqrt{2}-1)}{\sqrt{2}}$

13. $\tan\left(\frac{-25\pi}{3}\right)$ = ? 1

a) $\frac{-1}{\sqrt{3}}$
b) $\sqrt{3}$
c) $-\sqrt{3}$
d) $\frac{1}{\sqrt{3}}$

14. The value of $\sqrt{2+\sqrt{2+2\cos 4\theta}}$ = 1

a) 2 cos θ
b) 2 sin θ
c) 2 tan θ
d) 2 cot θ

ASSERTION – REASON BASED QUESTIONS

15. **Assertion (A):** If A = {1, 2, 3}, B = {2, 4}, then the number of relation from A to B is equal to 64. 1
Reason (R): The total number of relation from set A to set B is equal to 2^n
a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true but R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true.

16. **Assertion (A):** if z = 3 + 2i then $\bar{z}$ = 3 - 2i. 1
Reason (R): The conjugate of a complex no. z, is the complex no obtained by changing the sign of Real part of Z.
a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true but R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true.

SECTION – B

Section B has 03 **Short Answer (SA) – type** questions of 2 marks each.

17. Find the domain of the function f(x) = $\frac{1}{\sqrt{x^2-1}}$ 2

OR

Find the range of the function f(x) = 1 - $|x-2|$, x ∈ R.

18. If $\left(\frac{1-i}{1+i}\right)^{100}$ = a + ib, then find (a, b). 2

19. Prove that $\frac{\cos^3 x-\sin^3 x}{\cos x-\sin x} = \frac{1}{2}(2 + \sin 2x)$. 2

20. Prove that: $\frac{\cos 10^o - \sin 10^o}{\cos 10^o + \sin 10^o}$ = tan 35° 2

SECTION – C

Section C has 03 **Long Answer (LA-I) – type** questions of 3 marks.

21. Find the domain and range of the function f(x) = $\frac{1}{2-\sin 3x}$, where x is real. 3

OR

If tan θ = $\frac{a}{b}$ then prove that: a cos 2θ + b sin2θ = b.

SECTION - D

Section D has 02 **Long Answer (LA-II) – type** question of 5 marks.

22. If α and β are acute angles satisfying cos 2α = $\frac{3\cos 2\beta - 1}{3-\cos 2\beta}$ then prove that tan α = $\sqrt{2}$ tan β 5

OR

If $\frac{z-1}{z+1}$ is purely imaginary for any complex number z such that $|z|$ =1 then prove that z is purely imaginary.

SECTION - E

Section E has 01 **Case Based (CBQ) – type** questions of 4 marks each with sub parts.

23. **Read the following text carefully and answer the questions that follow:** 4

In a library 25 students read physics, chemistry and mathematics books. It was found that 15 students read mathematics, 12 students read physics while 11 students read chemistry. 5 students read both mathematics and chemistry, 9 students read physics and mathematics. 4 students read physics and chemistry and 3 students read all three subject books.



1. Find the number of students who read none of the subjects.
2. Find the number of students who read at least one of the subjects.
3. Find the number of students who read only one of the subjects.

OR

Find the number of students who read only mathematics.

24. In a school at Asansol, students of class XI were discussing about the relations and functions. Three Students Ankita, Babita and Kavita form three sets A={1,2,3,4,5},B={2,4,6} and K={5,7} 4

Based on the above information answer the following:
(i) Find n(A×B) and n(K×B)

(ii) A correspondence of elements from A to B given as {(1,2),(2,2),(3,4),(3,6),(4,4), (5,6) }. Is it a function? Justify your answer.

(iii) Show the relation defined on set of integers Z by R = {(a, b): a – b is divisible by 5} is an equivalence relation on Z.

OR

Show that the relation defined on the set of all lines L in a plane by R = {(l_1, l_2): $l_1 \parallel l_2$) is an equivalence relation.

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Name:_____ Sec:_____ Roll No:_____

CODE:B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-1 [2026-27]
MATHEMATICS
CLASS- XI

Time: $1\frac{1}{2}$ Hours. **Maximum Marks:40**

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General Instructions:

1. This question paper contains 24 questions. All questions are compulsory.
2. This question paper has 5 sections A,B,C,D and E
3. In Section A, Question no. 1 to 16 are MCQs and question no. 15 and 16 are Assertion-Reason based questions of 1 mark each
4. In Section B, Question no. 17 to 20 very short answer type(VSA) questions carrying 2 marks each.
5. In Section C, Question no. 21 is short answer type (SA) question carrying 3 marks.
6. In Section D, Question no. 22 is long answer type (LA) question carrying 5 marks.
7. In Section E, Question no. 23 and 24 are case based questions carrying 4 marks each with subparts of the values of 1,1 and 2 marks each respectively.
8. There is no overall choice. However, an internal choice in 1 question of 5 marks,1question of 3 marks and 1 question of 2 marks is provided.
9. Draw neat figures wherever required. Take $\pi = \frac{22}{7}$ wherever required if not stated
10. Use of calculator is not allowed.

SECTION A

1. Which of the following is correct if $A = \{1,2,3,4\}$, $B = \{3,5\}$ 1
   (A) $4 \subset A$ (B) $\{5\} \subset A$ (C) $3 \in A$ (D) $5 \in A$
2. If $n(A) = 37, n(B) = 26, n(A \cup B) = 51$ then $n(A \cap B) =$? 1
   (A) 12 (B) 21 (C) 25 (D) 11
3. The empty set or the null set or the void set is not denoted by the symbol 1
   (A)ϕ (B){ } (C) $\{\phi\}$ (D) ϕ or { }

4. Let A={1,3,5,7}and B={2,4,6,8} and 1
R= $\{(x,y): x \in A, y \in B \text{ and } x > y\}$ Then
(A) dom(R)={3,5,7} range(R)={2,4,6}
(B) dom(R)={2,4,6} range(R)={3,5,7}
(C) dom(R)={2,4} range(R)={2,4,6,8}
(D) none of these

5. If n(A)= 2 and n(B)=3 , then the number of relations from set A to set B 1
(A)6 (B)8 (C)4 (D)64

6. The domain of the real valued function $f(x) = \sqrt{1-x^2}$ 1
(A) [0,1] (B)$[-1,1]$ (C)$[-1,0]$ (D)$(-\propto, 1] \cup [1, \propto)$

7. If $f(x) = \frac{2x}{1-x^2}$, $f(tan\theta)$ = 1
(A)$\cos 2\theta$ (B) $\tan 2\theta$ (C) $\sin 2\theta$ (D) $\cot 2\theta$

8. $i^{109} + i^{114} + i^{119} + i^{124}$ =? 1
(A)0 (B)i (C)$-2i$ (D) 2

9. $\sqrt{-9} \times \sqrt{-25}$ =? 1
(A) 15 (B)-15 (C)$15i$ (D)$-15i$

10. Real part of $\frac{3}{i}$ is 1
(A) 3 (B)0 (C)-3 (D)i

1

11. If $sin\theta + cos\theta = 1$ then the value of $sin2\theta =$
(A)1 (B)0 (C)-1 (D)2

12. $sin\frac{\pi}{4}\cos\frac{\pi}{12} + \cos\frac{\pi}{4}\ sin\frac{\pi}{12}$ =? 1
(A) $\frac{\sqrt{3}}{2}$ (B)1 (C) $\frac{1}{2}$ (D) $\frac{1}{\sqrt{2}}$

13. $sin\ \frac{25\pi}{3}$ = ? (A) $\frac{1}{2}$ (B) $\frac{1}{\sqrt{2}}$ (C) $\frac{\sqrt{3}}{2}$ (D)$-\ \frac{\sqrt{3}}{2}$ 1

14. The value of $\sin(45° + \theta) - \cos(45° - \theta)$ 1
(a)$2cos\theta$ (b)$2\ sin\theta$ (c) 1 (d)0

15. **Assertion (A):** If A= {red, blue}and B= {b,c,s}, then 1
A×B= {(red, b),(red,c),(red,s)}
Reason (R): the Cartesian product of two non empty sets P and Q is denoted as P × Q and P × Q= $\{(p,q): p \in P, q \in Q\}$

(A)Both A and R are true and R is the correct explanation of A.
(B) Both A and R are true but R is not the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.

16. **Assertion (A)**: conjugate of 2+3i is $\frac{1}{2+3i}$ 1

Reason (R): conjugate of any complex number $a + ib$ is $a - ib$

(A)Both A and R are true and R is the correct explanation of A.
(B) Both A and R are true but R is not the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.

SECTION B

17. Find the domain and range of the real function , f(x) = $\frac{x-3}{x-5}$ 2

OR

If $f(x) = \frac{x+1}{x-1}$ then show that $f\{f(x)\} = x$

18. Express the complex number $\frac{3+4i}{1-i}$ in the form of $a + bi$ 2

19. A wheel makes 360 revolutions in 1 minute, through how many radians does it turn in 1 second? 2

20. Prove that 2

$$\sin(n+1)x \ \sin(n+2)x + \cos(n+1)x \cos(n+2)x = \cos x$$

SECTION C

21. Find the domain and the range of the function $\frac{1}{\sqrt{9-x^2}}$ 3

OR

Prove that $\frac{\sin(180°+\theta)\cos(90°+\theta)\tan(270°-\theta)\cot(360°-\theta)}{\sin(360°-\theta)\cos(360°+\theta)cosec\,(-\theta)\sin(270°+\theta)} = 1$

SECTION D

22. If $(a + ib) = \frac{c+i}{c-i}$, where c is real, prove that $a^2 + b^2 = 1$ and $\frac{b}{a} = \frac{2c}{c^2-1}$ 5

OR

$$\cos 20° \cos 40° \cos 60° \cos 80 = \frac{1}{16}$$

SECTION-E

23. **Casestudy:** In a survey of 40 students, it was found that 21 had taken Mathematics, 16 had taken Physics and 15 had taken chemistry, 7 had taken Mathematics and chemistry, 12 had taken Mathematics and Physics, 5 had taken Physics and Chemistry and 4 had taken all the three subjects

(i)find the number of students who had taken only Mathematics 1

(ii)find the number of students who had taken Physics and chemistry but not Mathematics 1

(iii)find the number of students who had taken at least one of the three subjects 2

OR

(iii)find the number of students who had taken none of the subjects

24. **Casestudy:** Let E={Rahul, Kaushik, Seema} and F={Meena, Sameer} are two sets. E is the set of employees and F is the set of managers. Define a relation R from E to F such that (e,f)$\in$ *R* if employee 'e' reports to manager 'f'.
Rahul and Seema report to Meena;
Kaushik reports to Sameer.

(i) Write the relation set R in ordered pairs. 1

(ii) What is the domain and range of R? 1

(iii) Is this relation a function? 2

OR

(iii) Can a manager have more than one employee reporting to them? Explain

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