

Name: _____ Sec: _____ Roll No: _____

SET:A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST I : [2025-2026]
ENGLISH CORE
CLASS: XI

Time Allowed : 1 ½ hrs

Maximum Marks : 40

GENERAL INSTRUCTIONS:

1. The Question Paper contains questions from GRAMMAR, LITERATURE and WRITING sections.
2. Attempt questions based on specific instructions for each part.

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

- i. who considers / of others / a gentleman / is one / the feelings
- ii. of others / and happiness / he / the comforts / first / thinks of
- iii. to hurt / he is in / or disgust / or say anything / he will not / the company / do
- iv. do to him / to do to / as he would / he will / try / others / have / them / always

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

Life can (i) considered as an institution. Every morning, we can give a tick mark to the attendance file (ii) our lives. The only difference in this school of life (iii) you cannot play truant. We can review every step taken (iv) us.

- | | | | | |
|------|--------|-------|-----------|---------|
| i. | a. is | b. be | c. become | d. also |
| ii. | a. in | b. to | c. of | d. off |
| iii. | a. and | b. so | c. are | d. is |
| iv. | a. by | b. on | c. from | d. to |

3. A. Read the extract given below and answer the questions that follow. 1x4

The Laburnum Top is silent, quite still
In the afternoon yellow September sunlight,
A few leaves yellowing, all its seeds fallen.

- i. What season is the poet talking about?
- ii. Mention the words/phrases that suggest the season.
- iii. 'September sunlight' is an example of
 - a. Alliteration
 - b. Simile
 - c. Metaphor
 - d. Onomatopoeia
- iv. The mood in these lines is of
 - a. serenity and quiet
 - b. decay and death
 - c. sadness
 - d. loss

3. B. Read the given passage and answer the questions that follow. 1x4

She broke it into little crumbs, the way my grandmother used to, and
threw it to them. The sparrows took no notice of the bread.

- i. From which story these lines have been taken?
- ii. What happened to the bread crumbs in the end?
- iii. Who does 'She' refer to?

- a. Grandmother
- b. Mother
- c. Wife
- d. Maid

- iv. The phrase 'took no notice' used in the above extract means
- a. didn't worry
 - b. didn't see
 - c. didn't pay any attention
 - d. all of the above

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

- i. What has the camera captured in the poem 'A Photograph'?
- ii. 'And the Laburnum subsides to empty.' Explain the line.
- iii. Who was John Byro? What concern did he express at Aram's place?

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

- i. How do you know that the author's grandmother was a religious person? Give examples from the text to support your answer.
- ii. The three stanzas in the poem "A Photograph" depict three different phases. What are they?
- iii. Mourad was the natural descendent of the crazy streak of Uncle Khosrove. Explain.

6. Child labour is serious offence, affecting millions of children in the country. On behalf of the Child Welfare Ministry, design an attractive poster urging people to help prevent injustice to minors. 3

7. You are invited to deliver a speech in the school assembly on the topic **5**
'Reading habits have taken a backseat in modern education system.'
Prepare your speech in about 120-150 words.

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-1: [2025-2026]
ENGLISH CORE [301]
CLASS: XI

Time: 1 ½ Hrs.

Maximum Marks: 40

General Instructions:

- The question paper contains questions from **GRAMMAR, LITERATURE** and **WRITING** sections.
- Attempt questions based on specific instructions for each part

1. **Rearrange the following to form meaningful sentences.** **1x4**

- (a) Sparrow/city/disappeared from/house/has/it has/it seems/the common/the/that
- (b) important factors/pollution/native/herbs/the/responsible/are/ and loss of/and shrubs
- (c) to/the popularity/every corner/junk food/has led/of/eating/joints/around/of/the opening
- (d) believed in/people of India/the sacredness of/have traditionally/wildlife

2. **Complete the passage given below by filling in each of the blanks with the help of the options that follow.** **1x4**

The time---(a)---- ripe. A growing number of Indians were --- (b)-----to do well for themselves. They were growing to have everything that ----(c)-----could possibly want. Could we not start building a culture ----(d)-----helps us to give back to society?

- | | | | | |
|-----|------------|----------------|-------------|-------------|
| (a) | (i) is | (ii) was not | (iii) was | (iv) is not |
| (b) | (i) begins | (ii) beginning | (iii) began | (iv) begun |
| (c) | (i) they | (ii) theirs | (iii) their | (iv) we |
| (d) | (i) to | (ii) that's | (iii) for | (iv) that |

3. Read the extracts given below and answer the questions that follow.

A. The Laburnum top is silent, quite still **1x4**
In the afternoon yellow September sunlight,
A few leaves yellowing, all its seeds fallen.

- (i) In these lines the poet is describing -----
- (ii) What quality of a laburnum tree is described in these lines?
- (iii) Which poetic device has been used in the given extract?
 - (a) Irony
 - (b) Simile
 - (c) Repetition
 - (d) Oxymoron
- (iv) The mood in these lines is of ----- .
 - (a) serenity and quiet
 - (b) decay and death
 - (c) sadness
 - (d) loss

B. As for my grandmother being young and pretty, the thought was almost revolting. She often told us of the games she used to play as a child. That seemed quite absurd and undignified on her part and we treated it like the fables of the Prophets she used to tell us. She had always been short and fat and slightly bent. **1x4**

- (i) The author found the idea of his grandmother playing games as a child, “undignified and absurd”, because ----- .
- (ii) Explain the expression “we treated it like the fables of the Prophets”.
- (iii) The expression “the thought was almost revolting” here means -- -----
 - (a) the idea was horrid
 - (b) it was hard to believe
 - (c) it is sickening
 - (d) it nauseated him

(iv) Which of the following best describes “Fat”?

- (a) Corpulent
- (b) Skinny
- (c) Lean
- (d) None of these

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

- (a) “When people are pious and good, even nature mourns their death.” Justify with reference to, ‘The Portrait of a Lady’.
- (b) How has the poet expressed her sense of loss, in the poem, ‘A Photograph’?
- (c) Mourad said, “I have a way with a horse”. Do you agree? Substantiate your answer.
(*The Summer of the Beautiful White Horse*)

5. **Answer the following questions in 120-150 words each.** **5x2**
(Attempt any 2)

- (i) “Religion was the dominant feature of her life.” Comment on this statement in regard to Khushwant Singh’s grandmother in ‘The Portrait of a Lady’.
- (ii) Which universal truth of life does the poem, ‘A Photograph’ reflect upon?
- (iii) “We had been famous for our honesty for something like eleven centuries,” the narrator describes his family in these words. Do you think it is possible to remain honest in modern times? (*The Summer of the Beautiful White Horse*)

6. Prepare a **poster** on behalf of the Municipal Authority of your city advising citizens on ways to save water in about 50 words. **3**

7. For the World Environment Day Programme of the Environment Club of your school, you have to deliver a **speech** on ‘The Sinking Cities in Our Mountains’. Prepare a speech in 120-150 words. **5**

Name: _____ Sec: _____ Roll No: _____

SET-A

BURNPUR RIVERSIDE SCHOOL, BURNPUR

PERIODIC TEST-I: [2025 – 26]

PHYSICS

CLASS : XI

Time: 1 ½ Hrs.

Maximum Marks: 40

General Instructions:

- (1) There are 18 questions in all.
- (2) This question paper has five sections: Section A, Section B, Section C, Section D and Section E.
- (3) All the sections are compulsory.
- (4) Section A contains twelve questions, five MCQs and two Assertion Reasoning based of 1 mark each, Section B contains five questions of two marks each, Section C contains three questions of three marks each, Section D contains one case study based questions of four marks each and Section E contains two long answer question of five marks.

SECTION : A

1. Write the dimension of a/b in the relation $P = (a-t^2)/bx$ 1
where P is pressure, x is distance and t is time.
(a) $M^{-1}L^0T^{-2}$ (b) ML^0T^{-2} (c) ML^0T^2 (d) MLT^{-2}
2. If force F acceleration a and time T are taken as the 1
fundamental physical quantities, the dimension of
length in this system of unit is
(a) FAT^2 (b) FAT (c) FT (d) AT^2
3. The relation between time t and distance x is $t = \alpha x^2 + \beta x$ 1
where α and β are constants. The retardation is
(a) $2\alpha v^3$ (b) $2\beta v^3$ (c) $2\alpha\beta v^3$ (d) $2\beta^2 v^3$
4. A person can throw a ball up to a maximum range of 1
100m. How high above the ground he can throw the
same ball?
(a) 25m (b) 50m (c) 100m (d) 200m
5. If a unit vector is represented by $0.5\hat{i} - 0.8\hat{j} + c\hat{k}$ then 1
the value of c is:
(a) $\sqrt{0.01}$ (b) $\sqrt{0.11}$ (c) 1 (d) $\sqrt{0.39}$

For Questions 6 and 7, two statements are given – one labelled Assertion (A) and other labelled Reason (R). Select the correct answer to these questions from the options as given below.

a) If both Assertion and Reason are true and Reason is correct explanation of Assertion.

b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

c) If Assertion is true but Reason is false.

d) If both Assertion and Reason are false.

6. **Assertion (A):** A body can have acceleration even if its velocity is zero at that instant of time. 1

Reason (R): The body will be momentarily at rest when it reverses its direction.

7. **Assertion (A):** For a projectile the time of flight of a body becomes n times the original value if its speed is made n times. 1

Reason (R): For a projectile this is due to the range of the projectile which becomes n times.

SECTION : B

8. The velocity of water waves (v) depends on their wavelength (λ) density (ρ) and acceleration due to gravity (g). Establish a relationship between v, λ, ρ and g . 2

9. A planet moves around the Sun in nearly circular orbit. Its period of revolution depends upon: 2

(i) Radius (r) of the orbit

(ii) Mass (M) of the Sun

(iii) Gravitational constant (G)

Show dimensionally T^2 is proportional to r^3

10. A man loses 20% of his velocity after running through 108m. Prove that he cannot run more than 192m further if his retardation is uniform. 2

11. A car accelerates from rest at a constant rate α for some time after which it decelerates at a constant rate β to come to rest. If the total time elapsed is t sec, then calculate the total distance travelled by the car in terms of α, β and t . 2

12. Determine a vector which is perpendicular to both $\vec{A} = 2\hat{i} - 3\hat{j} + 6\hat{k}$ and $\vec{B} = \hat{i} + \hat{j} - \hat{k}$ 2

SECTION : C

13. (a) Write the dimension of $a \times b$ in the relation $E = (b-x^2)/ax$ where E is energy, x is displacement and t is time. 3
- (b) If the velocity of light c, Universal Gravitational constant G and Planck's constant h are chosen as fundamental units then find the dimension of mass in this system
14. In a new system of units the unit of mass is 100g, unit of length is 4m and unit of time is 2sec. Find the numerical value of 10J in this system. 3
15. Two vectors \vec{A} and \vec{B} are inclined to each other at an angle θ . Using parallelogram law of vector addition find the magnitude and direction of their resultant. 3

SECTION-D

Case Study Based Questions

Read the following paragraph and answer the questions that follow.

16. Motion under free fall, or free fall motion, refers to the movement of an object solely due to the force of gravity, neglecting air resistance. In this scenario, the object accelerates downwards at a constant rate, approximately 9.8 m/s^2 (or 10 m/s^2 for simplified calculations). This acceleration is due to the Earth's gravitational pull. 4

Factors Affecting Free Fall:

While the ideal scenario of free fall assumes constant acceleration, real-world scenarios are often affected by:

- (i) **Air Resistance:** Air resistance can significantly reduce the acceleration of falling objects, especially for objects with large surface areas or low densities.
- (ii) **External Forces:** Other forces like wind or other external forces can also affect the motion of a falling object.

(iii)Altitude: The acceleration due to gravity varies slightly depending on altitude.

- (i) Velocity of a body on reaching the point from which it was projected upwards is
(a) $v=0$ (b) $v=2u$ (c) $v=0.5u$ (d) $v=u$
- (ii) Three bodies of masses m_1 , m_2 and m_3 are allowed to fall from the same point O along three different frictionless path. The speed of three objects on reaching the ground will be in the ratio:
(a) $m_1 : m_2 : m_3$ (b) $m_1 : 2m_2 : 3m_3$
(c) $1/m_1 : 1/m_2 : 1/m_3$ (d) $1:1:1$
- (iii) A body falling from rest describes distances S_1 , S_2 and S_3 in the first, second and third seconds of its fall. Then the ratio of $S_1: S_2 : S_3$ is:
(a) $1:1:1$ (b) $1:3:5$ (c) $1:2:3$ (d) $1:4:9$
- (iv) A ball thrown upwards from the top of a tower with speed v reaches the ground in t_1 sec. If this ball is thrown downwards from the top of the same tower with speed v , it reaches the ground in t_2 sec. In what time will the ball reach the ground if it is allowed to fall freely under gravity from the top of the tower?
(a) $(t_1 + t_2)/2$ (b) $(t_1 - t_2)/2$
(c) $(t_1 t_2)^{1/2}$ (d) $(t_1 + t_2)$

SECTION-E

17. Prove (i) $s = ut + at^2/2$ and (ii) $v^2 - u^2 = 2as$ by the method of calculus, where the symbols have their usual meanings. 5
18. A projectile is fired with a velocity u making an angle θ with the horizontal 5
- (a) Show that its trajectory is a parabola.
(b) Determine the expression for its:
(i) time of flight
(ii) maximum height
(iii) horizontal range.

Name: _____ Sec: _____ Roll No: _____

SET-B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I [2025-26]
PHYSICS
CLASS - XI

TIME: $1\frac{1}{2}$ Hr

Maximum Marks: 40

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 five questions of 2 marks each.

Section D contains three 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.

- Q1. A dimensionless quantity: 1
(a) Never has a unit (b) Always has a unit
(c) May have unit (d) Does not have a unit
- Q2. The potential energy of a particle varies with distance (x) from 1
fixed origin as $U = \frac{A\sqrt{x}}{x^2 + B}$
Where A and B are constants. Then dimension of AB will be:
(a) $ML^{7/2}T^{-2}$ (b) $ML^{11/2}T^{-2}$ (c) $M^2L^{9/2}T^{-2}$ (d) $ML^{13/2}T^{-3}$
- Q3. A bullet is fired into a fixed target loses $\frac{1}{3}$ of the velocity after 1
travelling 4cm. It penetrates further $D \times 10^{-3}$ m before coming to
rest. Then value of D is :
(a) 23 (b) 32 (c) 42 (d) 52
- Q4. The horizontal range of a projectile is $4\sqrt{3}$ times its maximum 1
height. Its angle of projection will be:
(a) 45° (b) 60° (c) 90° (d) 30°
- Q5. The equation of projectile is $y = (\sqrt{3}x - \frac{gx^2}{2})$. Then find
angle of projection is:
(a) 30° (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.

- Q6. **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.
- Q7. **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:

- Q8. If the speed of light (c), acceleration due to gravity (g) and pressure (P) are taken as fundamental units. Then find dimension of universal Gravitational constant in terms of above fundamental quantities. 2
- Q9. Find the dimension of a/b in equation $P = \frac{a-t^2}{bx}$, where p is pressure, x=distance and t=time. 2
- Q10. Prove the equation $v^2=u^2 -2as$, using calculus. 2
- Q11. The acceleration of a particle changes with time as: $a=(2t-1) \text{ m/s}^2$, then find the velocity of particle at t=1 sec if its initial velocity is zero. 2

- Q12. Find the trajectory equation of a particle moving in XY plane if coordinates are given as function of time by $X=4t$ and $Y=2t$. 2

SECTION: D

Each carry three marks:

- Q13. In a new system of units, the fundamental quantities mass, length and time are replaced by acceleration (a), density (ρ) and frequency (f), then find dimensional formula of F in this new system. 3
- Q14. In a particular system units of length, mass and time are chosen to 10cm, 10gm and 0.1 sec respectively. Then find unit of force in this system. 3
- Q15. Given $\vec{a} + \vec{b} + \vec{c} = \mathbf{0}$ and all vectors have equal magnitude of $3\sqrt{3}$. Then find magnitude of $\vec{a} + 2\vec{b}$. 3

SECTION: E

Case Based question.

- Q16. **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 A is thrown up vertically from the ground with a velocity V_0 and another body B is simultaneously dropped from height H. They meet at a height of H/2 if V_0 is equal to: 1
- (i) $\sqrt{2gH}$ (b) \sqrt{gH} (c) $\frac{1}{2}\sqrt{gH}$ (d) $\sqrt{\frac{2g}{H}}$
- (b) A ball falls from 20m height on a floor and rebounds to 5m. The time of contact is 0.02sec. Find the acceleration during the impact. 1
- (i) 1200m/s^2 (ii) 1000m/s^2 (iii) 2000m/s^2 (iv) 1500m/s^2
- (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) $a=3\text{m/s}^2$ (b) $a=6\text{m/s}^2$
(c) $a=9\text{m/s}^2$ (d) can not be determined

SECTION: E

Long answer type question:

- Q17. (a) Prove $S_{nth} = u + \frac{a}{2} (2n-1)$ using graph or calculus . 3
- (b) Three particles start from origin at same time , one with velocity V_1 along X axis , second one along Y axis with velocity V_2 and third along the line $y=x$. Find the velocity of third particle such that all the three particles may lie on same line. 2
- Q18. (a) State triangle law of vector. 2
- (b) State and prove Parallelogram law of vector. 3

Name: _____ Sec: _____ Roll No: _____
SET-A

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST I: [2025 – 2026]
CHEMISTRY
CLASS XI

Time Allowed: $1\frac{1}{2}$ Hrs.

Maximum Marks: 40

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General Instructions:

- i. There are 18 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 7 objective type questions, 05 MCQ, s and 02 A/R of 1 mark each.**
- iv. Section - B contains 05 SA-I type questions of 2 marks each.**
- v. Section - C contains 03 SA-II type questions of 3 marks each.**
- vi. Section - D consist of 01 case-based question of 4 marks each with sub-parts.**
- vii. Section - E consist of 02 LA - type question of 5 marks.**

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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. Mass ratio of O₂ : N₂ in its gaseous mixture is 1:4. Ratio of their molecule is- 1
- (a) 1:4
 - (b) 1:8
 - (c) 7:32
 - (d) 3:16

2. Solute present in one litre of 1(N) solution: 1
- (a) One mole
 - (b) One molecule
 - (c) 6.02×10^{23} molecules
 - (d) One gram equivalent
3. Shape of the orbital for which $n=2$ and $l=1$? 1
- (a) Spherical
 - (b) Dumbbell
 - (c) Double dumbbell
 - (d) Linear
4. Number of unpaired electrons in Co^{2+} ($Z=27$): 1
- (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
5. Which elements cannot expand their octet? 1
- (a) B, C, P
 - (b) O, F, Cl
 - (c) Mg, S, F
 - (d) C, N, F

Question No. 6 and 7 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.

6. **Assertion(A):** Molarity of the solution does not change with change in temperature. 1
Reason(R): Moles of the solute and mass of the solvent do not depend upon temperature.

7. **Assertion(A):** The lattice enthalpy of NaCl is 788KJ mol⁻¹. 1
Reason(R): 788 KJ of energy is required to separate one mole of solid NaCl into one mole of Na⁺(g) and one mole of Cl⁻(g) to an infinite distance.

SECTION – B 2

8. How many significant figures are present in the following? 2
(a) (i) 0.0460
(ii) 5005
(b) What is the mass of one sodium atom in gram? (Atomic mass of Na= 23g)
9. Write the quantum numbers for the 10th electron in calcium (Z= 20). 2
10. (a) Predict the position of the element in the periodic table satisfying the electronic configuration (n-1)d¹ns² for n=4. 2
(b) Considering the atomic number and position in the periodic table arrange the following elements in the increasing order of metallic character – Si, Be, Mg, Na, P.
11. Draw the Lewis dot structure of CO₃²⁻ ion. 2
12. Write any two favorable factors for the formation of ionic bond. 2

SECTION – C

13. (a) Naphthalene contains 93.71% C and 6.29% H. Its molar mass is 128g/mol. Calculate its molecular formula. (Given atomic mass of C=12g and H= 1g) 3
(b) State Pauli's exclusion principle.
14. (a) What is the frequency of a photon emitted during a transition from n= 5 state to the n=2 state in the hydrogen atom? (R_H = 2.18×10⁻¹⁸ J) 3

15. First IE_1 and second IE_2 in KJ/mol of some elements are given below:

Elements	IE_1	IE_2
A	500	7320
B	2400	5250
C	875	1750

3

Which of the above element is likely to be-

- (a) An inert gas.
- (b) A reactive metal.
- (c) The metal that forms halide of the type MX_2 .

SECTION -D

Question no. 16 is case- based/ source-based questions with 3 sub-parts. Internal choice is provided in one of these sub-parts.

16. A balanced chemical equation gives quantitative relationship between the reactants and products of reaction in terms of moles, masses, volume and molecules. The Coefficients of the reactants add products of the balanced chemical equation are called stoichiometric coefficients.

4

- (a) How many moles of methane are required to produce 22-gram carbon dioxide after combustion? (Given atomic mass of C= 12g and O=16g)
- (b) Calculate the volume of oxygen required to oxidize one-liter C_6H_6 under identical conditions.
- (c) 50 kg N_2 and 10 kg H_2 Are mixed to produce NH_3 . Calculate the ammonia gas formed identify the limiting reagent.(Given atomic mass of N= 14g, H= 1g)

OR

- (c) One mole of A and one mole of B are made to form A_2B_3 according to the following equation. Identify the limiting reagent and calculate the moles of A_2B_3 formed.



Section- E

17. (a) Calculate the momentum of a moving particle whose wavelength is 1nm. ($h = 6.626 \times 10^{-34}$ Js)
- (b) Write to the electronic configuration of Fe^{3+} and explain its magnetic properties. (Fe= 26) 5
- (c) Why Bohr atomic model is against Heisenberg's uncertainty principle?
18. (a) Which of the following species has the largest and the smallest size and why?
Mg, Mg^{2+} , Al, Al^{3+} 5
- (b) It is easy to form $Cl^-(g)$ from Cl rather than to form $F^-(g)$ from F(g), why?
- (c) Ne and Na^+ are isoelectronic, which has greater ionization enthalpy and why?

Name: _____ Sec: _____ Roll No: _____

CODE: B

BURNPUR RIVERSIDE SCHOOL, BURNPUR

PERIODIC TEST: I [2025-2026]

SUBJECT- CHEMISTRY

CLASS: XI

Time Allowed: 1 ½ Hrs.

Maximum Marks: 40

General Instructions:-

- All questions are compulsory.
 - Section-A consists of 5 MCQs and 2 Assertion-Reasoning type questions carrying 1 mark each.
 - Section-B consists of 5 Short Answer type-I questions carrying 2 marks each.
 - Section-C consists of 3 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 2 Long answer type questions carrying 5 marks each.
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SECTION-A

- 1 Avogadro's number represents the number of atoms in : 1
- a) 12 g of C-12
b) 320 g of sulphur
c) 8 g of oxygen
d) 12.7 g of iodine
- 2 The number of significant figures in 0.0256 is : 1
- a) 5 b) 3 c) 4 d) 2
- 3 Number of angular nodes for 4p orbital is : 1
- a) 2 b) 1 c) 3 d) 4

- 4 The electrons of the same orbitals can be distinguished by : 1
- a) Principal quantum number
 - b) Azimuthal quantum number
 - c) Spin quantum number
 - d) Magnetic quantum number

- 5 In nitrate ion, the number of bond pairs and lone pairs of electrons on nitrogen atom are : 1
- a) 2,2 b) 3,1 c) 1,3 d) 4,0

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.**

- 6 **Assertion:** Pure water from different sources always contain hydrogen and oxygen in the ratio of 1 : 8 by mass. 1
- Reason :** Total mass of reactants and products during a chemical change is always the same.

- 7 **Assertion :** Sodium chloride is formed by the action of chlorine gas on sodium metal is a stable compound. 1
- Reason :** This is because sodium and chloride ions acquire octet in sodium chloride.

SECTION-B

- 8 Volume of a solution changes with change in temperature; then will the molality of the solution be affected by temperature? Give reason for your answer. 2

- 9 Show that the circumference of the Bohr orbit for the hydrogen atom is an integral multiple of the de Broglie wavelength associated with the electron revolving around the orbit. 2
- 10 Which of the elements Na, Mg, Si and P have the greatest difference between the first and second ionization enthalpies? Briefly explain your answer. 2
- 11 Define octet rule. Write its significance. 2
- 12 Calculate the formal charge on N and H atoms in NH_4^+ ion. 2

SECTION-C

- 13 Calcium carbonate reacts with aqueous HCl to give CaCl_2 and CO_2 according to the reaction: 3



What mass of CaCO_3 is required to react completely with 25 mL of 0.75 M HCl? (atomic mass of Ca = 40, O = 16, Cl = 35.5. H = 1)

- 14 What is the wavelength of the light emitted when the electron in the hydrogen atom undergoes transition from the energy level with $n = 4$ to energy level $n = 2$? ($R_{\text{H}} = 109678 \text{ cm}^{-1}$) 3
- 15 Write the general electronic configuration of s, p and d block elements. 3

SECTION-D

- 16 **Read the following paragraph and answer the following questions:** 4
 Mole concept is an important tool for dealing with chemical calculations. The elements have atomic masses while compounds have molecular or molar masses. Both are expressed in terms of mole which is infact, a collection of Avogadro's number of particles of a substance.
- a) What does 1 amu represent?
 b) How much volume one mole of a gaseous substance occupy at STP?
 c) Calculate the total number of electrons present in 1.4 g of nitrogen gas.(atomic mass of N = 14)

OR

c) One million of silver atoms weigh 1.79×10^{-16} g . Calculate the atomic mass of silver.

SECTION-E

- 17 a) Define Pauli's exclusion principle. 5
 b) Give the designation of orbital when
- i) $n = 2, l = 0$
 - ii) $n = 3, l = 2$
 - iii) $n = 5, l = 1$
 - iv) $n = 4, l = 3$
- 18 Two elements A and B have atomic number 16 and 19 respectively . 5
- a) Write down the electronic configurations of A and B in terms of s, p, d and f.
 - b) Which element belongs to s-block of modern periodic table?
 - c) Which element belongs to p-block?
 - d) Which element is a powerful reducing agent?
 - e) Write down the formula of compound formed between A and B.

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST-I: [2025-2026]
MATHEMATICS
CLASS: XI

Time: $1\frac{1}{2}$ hrs

Maximum Marks: 40

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General Instructions:

This question paper contains five sections A, B, C, D and E. Each section is compulsory.

Section–A:

It comprises of 11 MCQs of 1 mark each with 2 assertion-reason questions.

Section–B:

It comprises of 3 SA type of questions of 2 marks each.

Section –C:

It comprises of 3 SA type of questions of 3 marks each.

Section-D:

It has 2 LA type question of 5 marks.

Section –E:

It comprises of 1 case- based questions of 4 marks.

Internal choice is provided in 1 question in Section - B, 1 question in Section – C and 1 question in Section-D. You have to attempt only one of the alternatives in all such questions.

=====

SECTION- A

1. Which of the following is a singleton set?

1

- a) $\{x : x \in \mathbb{Z}, x^2 = 4\}$
- b) $\{x : x \in \mathbb{Z}, x + 5 = 0\}$
- c) $\{x : x \in \mathbb{Z}, |x| = 1\}$
- d) $\{x : x \in \mathbb{R}, 0 < x < 1\}$

2. If A and B are two sets containing 3 and 6 elements respectively, what can be the maximum number of elements in $A \cup B$? 1
- a) 9 b) 6 c) 3 d) 18
3. Find the values of a and b if $(a-2, 2b+1) = (b-1, a+2)$ 1
- a) $a=3, b=2$ b) $a=2, b=3$ c) $a=5, b=1$ d) $a=1, b=5$
4. The range of the function $f(x) = \frac{x}{|x|}$ is 1
- a) $\mathbb{R} - \{0\}$ b) $\{-1, 1\}$ c) $\mathbb{R} - \{-1, 1\}$ d) 0
5. Find the value of $1 + i^2 + i^4 + i^6$ 1
- a) 0 b) 1 c) 2 d) i
6. The least positive value of n, if $\left(\frac{1+i}{1-i}\right)^n = 1$ is 1
- a) 4 b) 1 c) 8 d) 3
7. Find the value of $\text{Cot}(-135^\circ)$ 1
- a) 1 b) 2 c) 0 d) $\frac{1}{\sqrt{3}}$
8. The value of $\cos 1^\circ \cos 2^\circ \cos 3^\circ \dots \dots \cos 179^\circ$ is 1
- a) $\frac{1}{\sqrt{2}}$ b) 0 c) 1 d) -1
9. Which of the following is the solution of the inequation $\frac{1}{x-2} < 0$ 1
- a) $(-\infty, 2)$ b) $(2, \infty)$ c) $(0, 2)$ d) $(-2, 0)$

Each question consists of two statements, namely, Assertion (A) and Reason (R). for selecting the correct answer, use the following code:

- a) Both assertion (A) and Reason(R) are true and Reason (R) is a correct explanation of Assertion (A).
- b) Both assertion (A) and Reason(R) are true but Reason (R) is not a correct explanation of Assertion (A).
- c) Assertion (A) is true and Reason(R) is false.
- d) Assertion (A) is false and Reason (R) is true.

10. Assertion (A) : The range of the function $f(x) = 2 - 3x, x \in \mathbb{R}, x > 0$ is \mathbb{R} . 1
- Reason (R) : The range of the function $f(x) = x^2 + 2, \text{ where } x \in \mathbb{R}$ is $[2, \infty)$.
11. Assertion (A) : Simplest form of i^{-35} is -i. 1
- Reason (R) : Additive inverse of $(1-i)$ is equal to $-1+i$.

SECTION - B

12. Find the domain of the function $f(x) = \frac{2x-3}{x^2+x-2}$ 2
OR

Find the range of $f(x) = \frac{1}{2-\sin 3x}$.

13. If $(x + iy) = \frac{a + ib}{a - ib}$, prove that $x^2 + y^2 = 1$ 2
14. Prove that : $\cos x + \cos(120^\circ - x) + \cos(120^\circ + x) = 0$ 2

SECTION- C

15. Prove that : $\sin 10^\circ \sin 30^\circ \sin 50^\circ \sin 70^\circ = \frac{1}{16}$ 3
16. Prove that , $\tan 70^\circ = \tan 20^\circ + 2 \tan 50^\circ$ 3
17. Solve the inequations: $\frac{x+1}{x+2} \geq 1$ 3

OR

Solve : $-11 \leq 4x - 3 \leq 13$

SECTION - D

18. If $a = (\cos \theta + i \sin \theta)$, prove that $\frac{1+a}{1-a} = (\cot \frac{\theta}{2}) i$ 5
OR

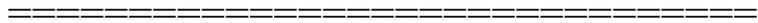
If $(\frac{z-1}{z+1})$ is purely an imaginary number and $z \neq -1$ then find the value of $|z|$.

19. Solve : $|\frac{2x-1}{x-1}| > 2, x \in R$ 5

SECTION - E

20. After explaining operation on sets, Mathematics teacher in class wrote their sets as $A = \{2,3,4,5\}$, $B = \{6,7,8\}$, $C = \{x: x \text{ is a prime number } < 10\}$. She asked the students that the following questions will be judge how much you have understood. She asked the student to write down the answer and later they can check from the answers written by teacher and give marks.

- a) Find $A \cup B$ 1
b) Find $(A \cup B) \cap C$ 1
c) Find $C - B$ 2
OR
c) $(A \cap C) - B$



Name: _____ Sec: _____ Roll No: _____

CODE : B

BURNPUR RIVERSIDE SCHOOL, BURNPUR
PERIODIC TEST - I [2025 – 2026]
CLASS - XI
SUBJECT: MATHEMATICS

TIME: $1\frac{1}{2}$ Hrs.

Maximum Marks: 40

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 9 MCQ's and 02 Assertion – Reason based questions of 1 mark each.
3. **Section B** has 03 Short Answer (SA) – type questions of 2 marks each
4. **Section C** has 03 Long Answer (LA-I) – type questions of 3 marks.
5. **Section D** has 02 Long Answer (LA-II) – type question of 5 marks.
6. **Section E** has 01 Case Based (CBQ) – type questions of 4 marks each with sub parts.

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) 5, 1
 - b) 7, 6
 - c) 8, 7
 - d) 6, 3
2. If $A = \{0, 1, 5, 4, 7\}$. Then the total number subsets of A are 1
 - a) 20
 - b) 32
 - c) 64
 - d) 40
3. Let S be the set of all real numbers. Then the relation $R = \{(a, b) : 1 + ab > 0\}$ on S is 1
 - a) reflexive, symmetric and transitive.
 - b) reflexive and symmetric but not transitive.
 - c) reflexive and transitive but not symmetric.

- d) symmetric and transitive but not reflexive.
4. Number of relations that can be defined on the set $A = \{a, b, c, d\}$ is 1
- 24
 - 4^4
 - 16
 - 2^{16}
5. $(1 + i)^{2n} + (1 - i)^{2n}$, $n \in \mathbb{N}$, is 1
- a purely real number
 - a purely imaginary number
 - a non - real complex number
 - a real complex number
6. If $\frac{3+2i\sin\theta}{1-2i\sin\theta}$ is a real number and $0 < \theta < 2\pi$, then $\theta =$ 1
- $\frac{\pi}{3}$
 - $\frac{\pi}{2}$
 - π
 - $\frac{\pi}{6}$
7. A wheel makes 180 revolutions in 1 minute. How many radians does it turn in 1 second? 1
- $(6\pi)^c$
 - $(12\pi)^c$
 - $(3\pi)^c$
 - $(4\pi)^c$
8. $\sin(40^\circ + \theta)\cos(10^\circ + \theta) - \cos(40^\circ + \theta)\sin(10^\circ + \theta)$ is equal to 1
- $\frac{1}{2}$
 - $\frac{1}{3}$
 - $\frac{\sqrt{3}}{2}$
 - 2
9. If $|x - 1| > 5$, then 1
- $x \in [6, \infty)$
 - $x \in (-\infty, -4) \cup (6, \infty)$
 - $x \in (-\infty, -4) \cup [6, \infty)$
 - $x \in (6, \infty)$

ASSERTION – REASON BASED QUESTIONS

10. **Assertion (A):** Domain and Range of a relation $R = \{(x, y): x - 3y = 0\}$ defined on the set $A = \{1, 2, 3\}$ are respectively $\{1, 2, 3\}$ and $\{2, 4, 6\}$. 1

Reason (R): Domain and Range of a relation R are respectively the sets $\{a: a \in A \text{ and } (a, b) \in R\}$ and $\{b: b \in A \text{ and } (a, b) \in R\}$

- 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.

11. **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.

12. Find the domain and the range of the real function, $f(x) = \frac{1}{\sqrt{x-2}}$ 2

OR

Find the domain and range of the real function $f(x) = \sqrt{9 - x^2}$.

13. If $(x + iy) = \sqrt{\frac{a+ib}{c+id}}$, prove that $(x^2 + y^2)^2 = \frac{a^2+b^2}{c^2+d^2}$. 2

14. Prove that $\cot x - 2 \cot 2x = \tan x$. 2

SECTION – C

Section C has 03 **Long Answer (LA-I) – type** questions of 3 marks.

15. If $\tan\theta = \frac{a}{b}$, prove that $a\sin 2\theta + b\cos 2\theta = b$. 3

16. If $\cos\theta = \frac{\cos\alpha\cos\beta}{1-\sin\alpha\sin\beta}$, prove that one value of $\tan \frac{\theta}{2} = \frac{\tan \frac{\alpha}{2} - \tan \frac{\beta}{2}}{1 - \tan \frac{\alpha}{2} \tan \frac{\beta}{2}}$. 3

17. Solve $\frac{1}{2-|x|} \geq 1, x \in \mathbb{R} - [-2, 2]$. 3

OR

Solve the system of in-equations: $\frac{6x}{4x-1} < \frac{1}{2}, \frac{x}{2x+1} \geq \frac{1}{4}$

SECTION - D

Section D has 02 **Long Answer (LA-II) – type** question of 5 marks.

18. Solve the equation $|z| = z + 1 + 2i$. 5

OR

Let z be a complex number such that $z \neq 1$ and $|z|=1$. Then, prove that $\left(\frac{z-1}{z+1}\right)$ is purely imaginary. What will be your conclusion when $z = 1$?

19. Solve for x , 5
 $\frac{|x+3|+x}{x+2} > 1, x \in \mathbb{R}.$

SECTION - E

Section E has 01 **Case Based (CBQ)** – type questions of 4 marks each with sub parts.

20. **Read the following text carefully and answer the questions that follow:**

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. 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. 1
2. Find the number of students who read at least one of the subject. 1
3. Find the number of students who read only one of the subjects. 2

OR

Find the number of students who read only mathematics.

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.** Not all types of software are system software. [1]

Reason. Application software are designed to carry out operations for a specific application.

12. **Assertion.** Runtime errors are harder to detect. [1]

Reason. Some runtime errors stops the execution of the program which is called program crash or abnormally terminated.

SECTION-B

Each question carries 2 marks

13. What are four limitations of Python programming language? [2]

14. Convert (72905)₁₀ to hexadecimal. [2]

15. What will be the output produced by following code fragment (s) ? [2]

```
X = 10
X = X + 10
X = X - 5
print (X)
X, Y = X - 2, 22
print (X, Y)
```

16. What is cache memory ? [2]

17. List any two immutable and mutable types of Python. [2]

SECTION-C

Each question carries 3 marks

18. What is application software ? What are the two categories of application software ? [3]
19. Convert $(1110011)_2$ to [3]
a. decimal number system
b. hexadecimal number system
c. octal number system.
[Show the working]
20. Write a short program that asks for your height in centimetres and then converts your height to feet and inches. (1 foot = 12 inches, 1 inch = 2.54 cm). [3]

SECTION-D

Each question carries 4 marks

21. What will be the output of following Python code? [4]
- ```
a = 12
b = 7.4
c = 1
a -= b
print(a, b)
a *= 2 + c
print(a)
b += a * c
print(b)
```

## SECTION-E

**Each question carries 5marks**

22. Express the following octal numbers to decimal number system. [5]  
(a) $(4052)_8$       (b) $(100.25)_8$   
[ Show the working]
- 
-

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No.: \_\_\_\_\_  
CODE: B

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**COMPUTER SCIENCE (083)**  
**PERIODIC TEST-1 : (2025-2026)**  
**CLASS: XI**

Time: 1 ½ Hrs.

Maximum Marks: 40

**General Instructions:**

- This question paper contains 22 questions.
- All questions are compulsory.
- 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.
- In case of MCQ, text of the correct answer should also be written.

**Section-A**

**Each question carries 1 marks**

1. State **TRUE** or **FALSE**: 1  
'A cache memory is a type of RAM'
2. The result of the expression **5 or 10**? 1  
a. 5                      b. 1                      c. 10                      d. 0
3. Which of the following are literals? 1  
a. myname              b. "BRS"              c. Both (a) & (b)              d. none
4. Python uses a/an \_\_\_\_\_ to convert source code to object code. 1  
a. interpreter              b. compiler              c. Both (a) & (b)              d. none
5. What will the following code produce? 1  
a, b = 8.6, 2  
print (a // b)

6. Which of the following is not a valid encoding scheme for characters? 1  
 a. ASCII            b. ISCII            c. ESCII            d. none
7. Which of the following symbols are not legal in an octal value? 1  
 a. 7                b. 8                c. 0                d. none
8. Expand EEPROM. 1
9. Which of the following operators has the lowest precedence? 1  
 a. not              b. %                c. and              d. \*\*
10. If you convert  $(101)_2$  to its decimal equivalent, then what will be the output? 1

**Q11 and 12 are ASSERTION (A) and REASONING (R) 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):** Utility software programs are application software. 1
- Reasoning (R):** Application software are the programs necessary to carry out operations for specific applications.
12. **Assertion (A):** The logical are the result of mistaken analysis of a problem. 1

**Reasoning (R):** Logical errors are missed by the interpreter.

**SECTION-B**  
**Each question carries 2 marks**

13. What is the difference between interactive mode and script mode in Python? 2
14. Convert  $423_{10}$  to hexadecimal. 2

15. Write a program to input your age and print it. 2
16. Differentiate between **source code** and **object code**. 2
17. What will be the output of the following? 2
- `print(len(str(18//4)))`
  - `print(len(str(18/4)))`

### 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. Convert  $(12.2)_8$  to decimal equivalent. 3  
Convert  $(A.4)_{16}$  to decimal equivalent.  
Convert  $(1010.01)_2$  to decimal equivalent  
(working must be shown for each conversion)
20. What are literals in Python? Name the five types of literals that are allowed in Python. 3

### Section-D

#### Each question carries 4 marks

21. Which of the following expressions will yield an **integer** type value as its output? 4
- |                           |                             |                              |
|---------------------------|-----------------------------|------------------------------|
| (i) <code>5 * 2</code>    | (ii) <code>5 ** 2</code>    | (iii) <code>'5' + '2'</code> |
| (iv) <code>'5' * 2</code> | (v) <code>5 / 2</code>      | (vi) <code>5 // 2</code>     |
| (vii) <code>5 % 2</code>  | (viii) <code>5 + 2.0</code> | (ix) <code>5.0 * 2.0</code>  |

### Section-E

#### Each question carries 5 marks

22. a. Convert the following into its decimal equivalents: (2+2) 5
- $(514)_8$
  - $(76F)_{16}$
- b. What do you understand by the term **radix**? (1)

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Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

CODE-A

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST-I [2025-2026]**  
**BIOLOGY [044]**  
**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 07 objective type questions carrying 1 mark each.
  4. Section B consists of 05 very short answer type questions carrying 2 marks each.
  5. Section C consists of 03 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.
- 
- 

**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. 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. The artificial system of classification in angiosperms was given by- 1  
 a. Bentham  
 b. Linnaeus  
 c. J.D. Hooker  
 d. Aristotle
5. Which of the following possess vascular tissues? 1  
 a. *Sphagnum*  
 b. *Gracilaria*  
 c. Kelps  
 d. Ferns

Question No. 6 and 7 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: Viroids are smaller than viruses. 1  
 Reason: It causes potato spindle tuber disease.
7. Assertion: *Cycas* has coralloid roots 1  
 Reason: These roots help in iron fixation.

### SECTION B

8. What is systematic? Name Linnaeus's publication in this regard. 2
9. Define species. Write the scientific name of lion in its correct form. 2
10. Name two components of lichens with their contributions in the symbiotic relationship. 2
11. Why are Bryophytes called “amphibians of the plant kingdom”? 2
12. Name the following: 2  
 a. Smallest angiosperm.  
 b. The division of Plantae that has naked ovules and seeds.

### SECTION C

13. Enlist three rules of binomial nomenclature. 3
14. Differentiate between the kingdoms Protista and Animalia. 3
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



Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No.: \_\_\_\_\_

**CODE: B**

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**

**PERIODIC TEST-1 : [2025-2026]**

**BIOLOGY ( 044)**

**CLASS – XI**

**Time: 1.5 Hrs.**

**Maximum Marks : 40**

***GENERAL INSTRUCTIONS:***

- 1. This question paper consists of 18 questions in 5 sections*
- 2. All questions are compulsory.*
- 3. Section A consists of 07 objective type questions carrying 1 mark each.*
- 4. Sections B consists of 5 very short answer type questions carrying 2 marks each.*
- 5. Section C consists of 3 short answer type questions carrying 3 marks each.*
- 6. Section D consists of 01 case based or source based unit of assessment of 4 marks with sub-parts (internal choice has been provided in one of the sub-part)*
- 7. Section E consists of 2 long answer type questions carrying 5 marks each*

**SECTION A**

1. Family is a taxon placed between  
a) Species and genus b) genus and order  
b) c) order and class d) class and phylum

1

2. The genus *Panthera* includes 1
- a) lion b) leopard
- c) tiger d) all of these
3. Dikaryophase in the life cycle occurs in fungi belonging to 1
- classes
- a) Ascomycetes and phycomycetes
- b) Basidiomycetes and deuteromycetes
- c) Phycomycetes and basidiomycetes
- d) Basidiomycetes and ascomycetes
4. A plant having vascular tissues, producing spores but lacking 1
- seeds can be grouped under
- a) angiosperms b) gymnosperms c) pteridophytes d) bryophytes
5. Isogamous condition with non-flagellated gametes is found in 1
- a) Spirogyra b) Fucus c) Eudorina d) Ulothrix

Question No. 6 and 7 consists 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. A: The Protistan cell body contains a well defined nucleus and other membrane bound organelles. 1

R: Protistans have eukaryotic organization.

7. A: The spread of living pteridophytes is limited and restricted to narrow geographical regions. 1

R: The gametophytes of pteridophytes are thalloid and photosynthetic and are called prothallus.

### SECTION-B

8. Name the four processes that are basic to taxonomy. 2

9. Write the correct order of sequence of taxonomic categories. 2

10. What do you understand by the terms- 'phycobiont and mycobiont'? 2

11. What are the different classes of Pteridophytes? 2

12. Enumerate the economic significance of Bryophytes. 2

### SECTION-C

13. Write the scientific name and the family which each of the following belongs to- 3

i) Housefly

ii) Wheat

14. What are the three methods of locomotion shown by the protozoans? Mention them with an example of each. 3

15. In which plants will you look for mycorrhiza and coralloid roots? Also explain what these terms mean. 3

#### SECTION-D

16. Bacteria are the sole members of the kingdom Monera. They are the most abundant microorganisms. Bacteria occur almost everywhere. Hundreds of bacteria are present in a handful of soil. They also live in extreme habitats such as hot springs, deserts, snow and deep oceans where very few other life forms can survive. 4
- a) How do Archaeobacteria differ from other bacteria?
  - b) Name one disease caused by bacteria in i) plants and ii) in human beings.
  - c) Name the four groups of bacteria based on their shape.

OR

What is a heterocyst?

#### SECTION-E

17. Give a brief account of viruses with respect to their structure and nature of genetic material, Also name two viral diseases. 5
18. a) What is heterospory? Briefly comment on its significance. Give two examples. 5
- b) How does asexual reproduction take place in Liverworts?

=====

Name: \_\_\_\_\_

Sec: \_\_\_\_\_

Roll No.: \_\_\_\_\_

CODE- A

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**

**PERIODIC TEST I: [2025-2026]**

**ACCOUNTANCY**

**CLASS: XI**

**Time: 1 ½ Hours**

**Maximum Marks: 40**

**General Instructions:**

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.
- (vi) Attempt all parts of a question together.

- 
1. The function of accounting is not to: 1
- (a) Record the transaction of business
  - (b) Record the personal transaction of the proprietor
  - (c) Ascertain the profit/loss of business
  - (d) Ascertain the financial position of the business
2. Patent is: 1
- (a) Tangible Assets
  - (b) Intangible Assets
  - (c) Current Assets
  - (d) Fictitious Assets

3. The position of a business on 31st March, 2023 was as follows: 1
- Cash- ₹5,000; Debtors- ₹20,000; Machinery- ₹60,000; Stock- ₹25,000; Capital- ₹75,000.
- Calculate liabilities:
- (a) ₹34,000 (b) ₹35,000  
(c) ₹40,000 (d) ₹39,000
4. Accounting Standard should be: 1
- (a) Simple  
(b) Understandable  
(c) Simple and Understandable  
(d) According to nature of each enterprise
5. Purchased goods from Rahul of the list price of ₹50,000 for cash at 20% trade discount and received 3% cash discount. 1
- Amount credited to discount A/c will be:
- (a) ₹10,000 (b) ₹1,500  
(c) ₹1,200 (d) ₹11,500
6. Current liabilities include: 1
- (a) Bills Payable (b) Creditors  
(c) Outstanding Expenses (d) All of the above
7. The balance of cash column of cash book always shows a 1
- \_\_\_\_\_ balance.
- (a) Debit  
(b) Credit  
(c) Either Debit or Credit  
(d) Neither Debit nor Credit
8. Cash Book maintains record of: 1
- (a) All cash purchase and sale  
(b) All cash receipt  
(c) All cash payment  
(d) All cash receipt and payment

9. The number of Accounting Standard specified by the Institute of Chartered Accountant of India so far is: 1
- (a) 29 (b) 30  
(c) 31 (d) 32
10. Accounting Cycle starts with: 1
- (a) Recording transactions in ledger  
(b) Recording transactions in journal  
(c) Preparing Trial Balance  
(d) Preparing Trading A/c
11. Prepare Accounting Equation from the following: 3
- (a) Kunal started business with cash ₹2,50,000  
(b) He purchased furniture for cash ₹35,000  
(c) He paid commission ₹2,000  
(d) He purchased goods on credit ₹40,000  
(e) He sold goods (costing 20,000) for cash ₹26,000
12. State the concept from following statements: 3
- (i) Proprietor of the business is treated as creditor to the extent of his capital under this concept.  
(ii) In this principle the caliber or quality of the management is not disclosed in the Balance Sheet.  
(iii) According to this concept all anticipated loss should be recorded but all anticipated profits should be ignored.
13. Distinguish between Book-keeping and Accounting on the basis of following: 4
- (i) Stage (ii) Objective (iii) Nature of job (iv) Knowledge level

14. Briefly explain following: 4  
 (a) Assets (b) Profit

15. Journalise the following transactions: 4

| Date  | Particulars                                                                                                                    |
|-------|--------------------------------------------------------------------------------------------------------------------------------|
| 2023  |                                                                                                                                |
| March |                                                                                                                                |
| 5.    | Sold goods to Shruti for ₹80,000 at 15% trade discount and 4% cash discount, received 75% amount immediately through a cheque. |
| 10.   | Purchased goods from Richa for ₹60,000 at 10% trade discount and 5% cash discount. 60% amount paid by cheque immediately.      |

16. Name and explain the concept from following statements: 6

- (i) The cost of stationary is accounted as an expense and not shown as an asset in financial statements.
- (ii) According to this concept depreciation is to be charged as per one particular method year after year.
- (iii) The owner of the business shows his capital as a liability and not shown as an asset.

17. a. Prepare the Accounting Equation on the basis of following: 6

- i. Stated business with cash ₹1,40,000 and stock ₹2,50,000.
- ii. Sold goods (costing ₹50,000) at a profit of 25% on cost in cash.
- iii. Deposited into bank account ₹1,80,000.
- iv. Purchased goods from Mohan ₹80,000.

b. Give one example of each of the following transactions:

- i. Increase in an asset and a liability
- ii. Increase in an asset and capital

\*\*\*\*\*

Name: \_\_\_\_\_

Sec: \_\_\_\_\_ Roll No.: \_\_\_\_\_

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST I: [2025-2026]**  
**ACCOUNTANCY**  
**CLASS: XI**

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

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.
- (vi) Attempt all parts of a question together.

1. The objective of accounting is not: 1
- (a) To provide information about the assets, liabilities and capital of the enterprise.
- (b) To provide information about the private assets and liabilities of the proprietor.
- (c) To maintain record of the business.
- (d) To provide information about the profit and loss of an enterprise.
2. The term Current Asset include: 1
- (a) Debtor (b) Motor Vehicle
- (c) Machinery (d) Building

3. As a result of following transactions, the total of Accounting Equation will be: 1
- i. Started business with cash ₹5,00,000  
 ii. Goods purchased for cash ₹2,00,000  
 iii. Goods costing ₹1,50,000 sold for ₹1,60,000 in cash
- (a) ₹4,60,000 (b) ₹7,10,000  
 (c) ₹5,10,000 (d) ₹6,60,000
4. Accounting Standard are useful: 1
- (a) For investors (b) For outside parties  
 (c) For auditor (d) All of the above
5. On selling goods for cash of the list price of ₹40,000 at 15% trade discount and 4% cash discount, Cash A/c will be debited by: 1
- (a) ₹32,640 (b) ₹32,400  
 (c) ₹34,000 (d) ₹38,400
6. Maruti Car is: 1
- (a) Current Assets (b) Tangible Assets  
 (c) Intangible assets (d) None of the above
7. Feature/s of cash book is/are: 1
- (a) Debit and credit side  
 (b) Part of the ledger  
 (c) Recording of cash and bank transaction  
 (d) All of the above
8. Credit transactions are recorded in the cash book: 1
- (a) In debit (b) In credit  
 (c) In debit or credit (d) Neither in debit nor in credit
9. The number of Accounting Standard specified by the Institute of Chartered Accountant of India so far is: 1
- (a) 29 (b) 30  
 (c) 31 (d) 32



15. Pass journal entries for following:

4

| Date | Particulars                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------|
| 2023 |                                                                                                                                     |
| Jan  |                                                                                                                                     |
| 6.   | Purchased goods from Harish for ₹50,000 on 10% trade discount and 4% cash discount and paid 60% amount paid by cheque.              |
| 18.  | Sold goods to Sherpa at the list price of ₹50,000, less 20% trade discount and 4% cash discount, 75% payment is received by cheque. |

16. Name and explain the concept of following:

6

(i) This concept suggests that if a firm believes that some of its debtors may default, it should act on this by making sure that all possible losses are recorded in the books.

(ii) According to this concept everything firm owns, it also owes out to somebody.

(iii) Business will continue to exist for a long time in the future and there is no intention to close it or reduce its size significantly.

17. a. Prepare Accounting Equation from the following:

6

i. Started business with cash ₹75,000 and goods ₹25,000

ii. Paid for rent ₹2,000

iii. Bought goods for cash ₹30,000 and on credit ₹44,000

iv. Purchased a motor cycle for personal use ₹20,000

b. Give one example of each of the following:

i. Decrease in an asset and a liability

ii. Decrease in an asset and capital

\*\*\*\*\*

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

**SET-A**

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST I [2025-26]**  
**BUSINESS STUDIES**  
**CLASS: XI**

**Time: 1 Hour 30 mins.**

**Max. Marks: 40**

General Instructions:

1. These question paper contains 17 questions.
2. There is no choice given and advised to attempt all questions.
3. Question 1 to 10 carries 1 mark each.
4. Question 11 & 12 carries 3 marks each.
5. Question 13 to 15 carries 4 marks each.
6. Question 16 to 17 carries 6 marks each.

- 
- 
1. H.K. Ltd is such a company which is concerned with using materials, which have already been extracted by a primary state. This company processes such materials to produce goods for final consumption or for further processing by other industrial units. Identify the type of industry to which these companies are related  
(a) Primary Industry (b) Secondary Industry  
(c) Tertiary Industry (d) None of the above 1
  2. Which document is an invitation to the general public?  
(a) MOA (b) AOA  
(c) Prospectus (d) Certificate of Incorporation 1
  3. Assertion (A): There is a need for separate legislation of the parliament for formation of Government company. Reason (R): Government company can be established by fulfilling requirements of the Indian Companies Act.  
(a) Both Assertion (A) and Reason (R) is correct explanation of Assertion (A)  
(b) Both Assertion (A) and Reason (R) are true and Reason (R) is not 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
  4. A person who actually not a partner but through his/her behaviour, conduct or initiation allows other partners of the business to represent him as their partner 1

- (a) Nominal Partner  
 (b) Partner by Estoppel  
 (c) Partner by holding out  
 (d) Secret partner
5. If Mr. Ram sells domestic sofa sets at a profit. He will not be considered as a businessman. But if he sells sofa sets regularly either through a shop or from his residence he will be regarded as a businessman. Identify the characteristics of business discussed above 1
- (a) an economic activity  
 (b) dealing in goods and services in a regular basis  
 (c) sale or exchange of goods and services  
 (d) Profit earning.
6. “In the Railway Budget, the concerned minister provides for more trains for his/her home state”. Which limitations of departmental undertaking does this statement reflects? 1
- (a) Incentive towards customer’s needs.  
 (b) Political Interference  
 (c) Lack of flexibility  
 (d) Red Tapism
7. Which of the following enterprise is formed as a part of government and does not have separate legal entity? 1
- (a) Public Cooperation (b) Government company  
 (c) Departmental Undertaking (d) Public Ltd. Company
8. If the Karta dies then, 1
- (a) Joint Hindu Family business comes to an end  
 (b) Remaining members elect new Karta  
 (c) Next seniors most member becomes Karta  
 (d) The business continues without Karta
9. Match the following items of column (A) with the items given in column (B) 1

|   | Column A                 |     | Column B    |
|---|--------------------------|-----|-------------|
| A | Hindrance of place       | i   | Advertising |
| B | Hindrance of time        | ii  | Transport   |
| C | Hindrance of risk        | iii | Warehousing |
| D | Hindrance of information | iv  | Insurance   |

- (a) A-(i); B-(ii); C-(iii); D-(iv)  
 (b) A-(ii); B-(iii); C-(iv); D-(i)  
 (c) A-(iii); B-(i); C-(ii); D-(iv)  
 (d) A-(i); B-(iv); C-(ii); D-(iii)

10. A sole proprietorship is a business where all of the following are true except: 1
- (a) The owner has complete control over decision making
  - (b) Profits entirely belong to the owner
  - (c) The proprietor is liable for losses to the extent of his or her personal assets
  - (d) The proprietor can sell his share in business to raise funds.
11. Differentiate between Business, Profession and Employment. 3
12. Akriti, Manoj and Sonali were friends who started a partnership business. They did not get their firm registered as it was optional. Soon, Manoj and Sonali started having conflicts. Manoj wants to approach a lawyer. How the lawyer would guide them. 3
13. Rakesh's father gifted him a cricket bat on his birthday. The cost of the bat was ₹800. Few months later, Rakesh sold it to Nishant, one of his school friend, for ₹850. He was very happy to earn a profit of ₹50. He was boosted by his transaction and after completing his studies, he formed a partnership business with his friends Nishant Trading in bats and other sports materials under the name M/S Rakesh Traders. Rakesh and Nishant both act as an agent as well as principal of each other. Firm soon started earning profits. Rakesh father suggested them to spend on social responsibilities. They then decide to donate free sports goods to school which were financially week. 4
- (a) Can the transaction between Rakesh and Nishant be termed as business transaction?
  - (b) Which feature of partnership form of business is mentioned above?
  - (c) According to you which value motivated the partners to donate sports goods? Give any one suitable value.
14. Explain any four types of partners. 4
15. With enactment of LIC Act 1956, an autonomous body, life insurance corporation of India was formed. The act defines its power, duties and functions. It has a separate legal entity. It is fully owned by government. It has independent financial policy and raise funds for borrowing from public and government. However it is not subject to any budgetary accounting or audit control like Railway. Its annual report report is presented in parliament every year. 4

- (a) Name the type of public sector enterprise referred in above case.
- (b) Name the act under which it is formed.
- (c) Name any other statutory corporation.

16. It is necessary for a public company to get its share listed on a stock exchange? 6  
What happens if a public company going for a public issue fails to apply to a stock exchange for permission to deal in its securities or fails to get such permission?
17. Differentiate between Departmental undertaking and Government company. 6

\*\*\*\*\*

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

**SET-B**

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**

**PERIODIC TEST I 2025-2026**

**BUSINESS STUDIES**

**CLASS: XI**

**Time: 1 Hour 30 mins.**

**Max. Marks: 40**

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**General Instructions:**

1. These question paper contains 17 questions.
  2. There is no choice given and advised to attempt all questions.
  3. Question 1 to 10 carries 1 mark each.
  4. Question 11 & 12 carries 3 marks each.
  5. Question 13 to 15 carries 4 marks each.
  6. Question 16 to 17 carries 6 marks each.
- 
- 

1. MR Industries entered the airport space in early 2005 and is today countered amongst the top 5 private airport developers and operates globally. MR Industries presently owns and operates Delhi International Airport and Hyderabad International Airport. Apart from being the largest private airport company in India, MR Industries is the only Indian Airport developer to have developed and operated airports outside India. Name the category of Industry to which these companies are related to. 1
  - (a) Genetic Industries
  - (b) Extractive Industries
  - (c) Construction Industries
  - (d) Manufacturing Industries
2. Minimum number of members to form a private company is 1
  - (a) 2
  - (b) 7
  - (c) 6
  - (d) 3
3. Assertion (A): Statutory corporation gets funds from public through its issue of shares. 1

Reason (R): Statutory corporation is established under special Act of the parliament.

  - (a) Both Assertion (A) and Reason (R) is correct explanation of Assertion (A)
  - (b) Both Assertion (A) and Reason (R) are true and Reason (R) is not 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.

4. Stages in the formation of a public company are in the following order: 1
- (a) Promotion, commencement, incorporation, capital subscription
  - (b) Incorporation, capital subscription, commencement, promotion
  - (c) capital subscription, promotion, incorporation, commencement
  - (d) Promotion, incorporation, capital subscription, commencement
5. Name the concept of activities which justify the given statement. Ram is working in a factory, Shyam is operating in his clinic, Vishal is working in an office and Richa is teaching in a school. They all are doing something to earn their livelihood. 1
- (a) Business
  - (b) Profession
  - (c) Economic
  - (d) Non- Economic
6. Which of the following is a correct advantage of a government company? 1
- (a) It is formed under Indian Companies Act 1956 so a separate Act is not required for its formation
  - (b) It does not have a separate legal entity apart from government
  - (c) The company cannot enter into any contract without permission of the government
  - (d) These companies face stiff competition from private sector companies and are thus not able to fulfil the social responsibility for which they formed
7. The other name for multinational company is 1
- (a) Transnational Enterprise
  - (b) Global Enterprise
  - (c) International Enterprise
  - (d) All of the above
8. If a person wants to complete confidentiality in his business and wants no interference of any other person then suitable firm is 1
- (a) Sole Proprietorship
  - (b) Partnership
  - (c) Joint Hindu Family
  - (d) Cooperative Society
9. Business Risk is not likely to arise due to 1
- (a) Change in Government policy
  - (b) Good Management
  - (c) Employees dishonesty
  - (d) Power Failure
10. The society aims to eliminate middlemen and improve competitive position of its members by securing a favourable market for the products. 1

- (a) Consumer's cooperative society  
 (b) Producer's cooperative society  
 (c) Marketing cooperative society  
 (d) Farmer's cooperative society
11. What do you mean by 'Business'? Write down any two characteristics of business. 3
12. Bhuvam Ltd. Issues 5,00,000 equity shares of ₹10 each for public subscription. Application along with money was received for 4,00,000 shares. Can the company allot these shares? Explain. 3
13. "Business is an institution organised and operated to provide goods and services under incentive of private gain". Discuss 4
14. Distinguish between "Memorandum of Association" and "Article of Association". 4
15. Can the public sector companies compete with the private sector in terms of profit and efficiency? Give reasons for your answer. 4
16. Rajib is the sole owner of a shirt manufacturing factory. He took a loan of ₹30 Lac from Jain Finance company for expansion of his business. In beginning business was remaining well but later on he stated facing losses and due to continuous losses he was not able to repay the loan. After receiving money reminders from the finance company, Rajib planned to sell all the assets and realised ₹ 20 lac. The finance company refused and planned to file a case against him in court. In the court the finance company did not agree as Mr. Rajib argument was that he took the loan for business and not for personal reasons so he sold all his assets and the company should settle the accounts with ₹ 20 lac. The court disagreed and advised to pay the whole amount. 6
- (a) Name the type of business carried on by Mr. Rajib.  
 (b) State the features of the business carried by Mr. Rajib
17. Differentiate between Departmental undertaking and Government Company. 6

\*\*\*\*\*



Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No.: \_\_\_\_\_

SET-A

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST-1: [2025-2026]**  
**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 1 mark 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. The fact causing distrust in statistics is:- 1
- a. Different kinds of statistics are obtained in respect of a given problem
  - b. Authentic statistics can be presented in a confusing way
  - c. Statistics can be altered to match the predetermined conclusion
  - d. All of these
2. Which of the following is a statement of normative nature in economics? 1
- a. Economics is study of choices or alternatives
  - b. Government should be concerned with how to reduce unemployment
  - c. According to an estimate, in spite of severe shortage, more than 10% of houses in Indian cities are lying vacant
  - d. An increase in taxation will result in less consumption

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. Secondary data                     | i. Answers recorded by respondents themselves |
| B. Questionnaires                     | ii. A fairly elastic method                   |
| C. Publications of trade associations | iii. Data already in existence                |
| D. Direct personal investigation      | iv. Published source of secondary data        |

Alternatives:-

- a. A-(ii), B-(iii), C-(iv), D-(i)  
 b. A-(iii), B-(i), C-(iv), D-(ii)  
 c. A-(iv), B-(i), C-(ii), D-(iii)  
 d. A-(ii), B-(iv), C-(i), D-(iii)
4. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below:
- Assertion(A)- Production Possibility Curve is convex to the origin means we need to sacrifice less and less for production of more units of other goods.**
- Reason(R)- Marginal Opportunity Cost increases when resources are not equally efficient in production of all the goods.**
- 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.
- Statement 1: An error which arises on account of some bias or imbalance are known as non-random errors.**
- Statement 2: Samples can be selected from homogeneous population only.**

1

1

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

| Column I                | Column II                      |
|-------------------------|--------------------------------|
| A. Aggregate demand     | i. Studied in microeconomics   |
| B. Value judgement      | ii. Macroeconomics             |
| C. Market economy       | iii. Consumer is not sovereign |
| D. Essence of Economics | iv. Scarcity and choice        |

Alternatives:-

- a. A-(i)
  - b. B-(ii)
  - c. C-(iii)
  - d. D-(iv)
7. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below:- 1

**Assertion(A)- Variables are different from attributes.**

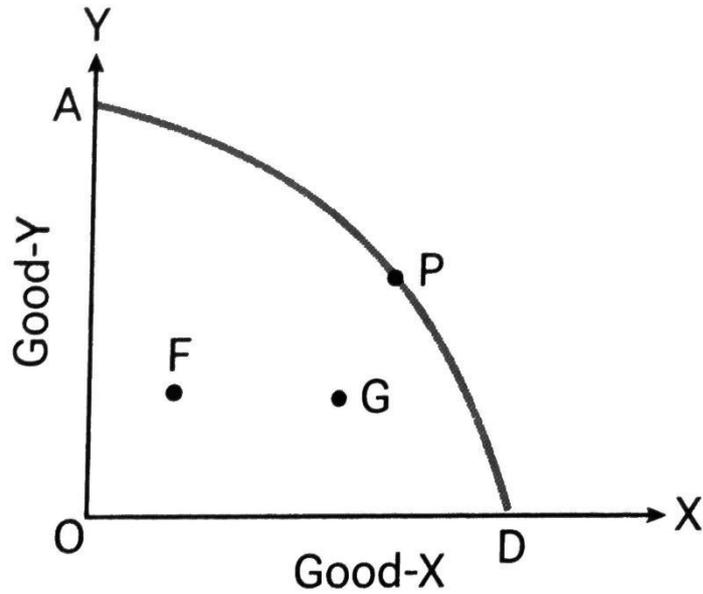
**Reason(R)- Attributes cannot be expressed numerically.**

**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. On the basis of the given diagram, state which point indicates fuller utilisation of resources.

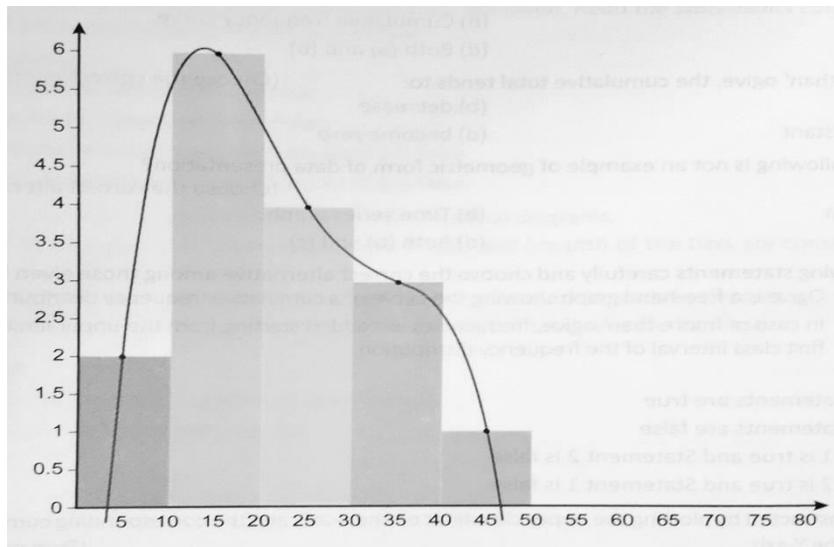
1



- a. Point F
- b. Point G
- c. Point P
- d. Point F and G

9.

1



The image above shows as \_\_\_\_\_

- a. Histogram with polygon
- b. Histogram with polygon curve
- c. Bar graph with polygon
- d. Bar graph with polygon curve

10. Read the following statements carefully. 1

**Statement 1: In a simple economy, income level of the people is low.**

**Statement 2: In a complex economy, wants are multiple as well as enormous.**

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 government and policy makers use statistical data to formulate suitable policies of economic development”.* 3

Illustrate with two examples.

12. In what circumstances may the production possibility curve shift away from the origin? Explain. 3

**OR**

How to produce is a complex problem for less developed countries like India. Explain how.

13. A statistical table has been prepared by Aryan which gives the birth rate and death rate of different states. The data given in the table has been collected from the published report of census of India. Is the data contained in the table primary or secondary? 4

Substantiate your answer by giving reasons.

14. What is opportunity cost? Explain with the help of a numerical example. 4

15. 4

No. of pages in a book

Shoe size



Analyse the images given above and identify the type of variable (discrete/continuous) the above examples provide. Also, explain the concept of variable along with discussing its types.

16. ***“Economics is about making choices in the presence of scarcity”.*** Explain. **6**

**OR**

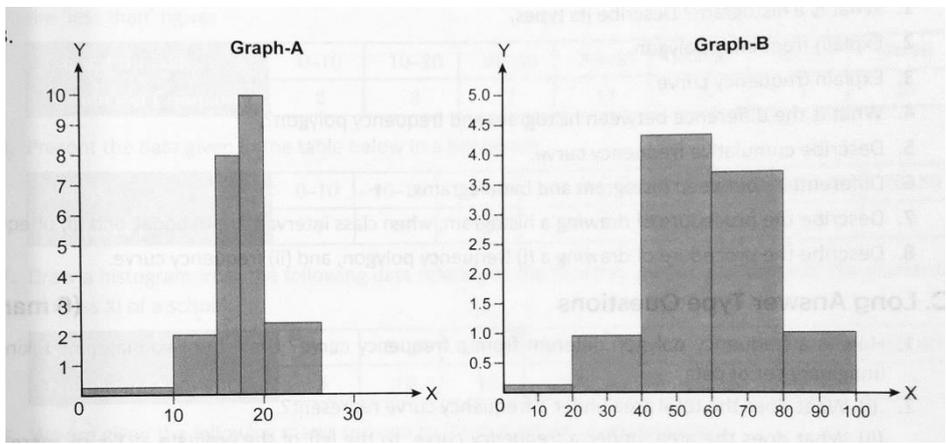
Using a diagram explain what happens to the production possibility curve of Kashmir if the wide spread floods have led to the destruction of human lives?

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

The histogram is among the main graphical representations employed in the statistics classroom for assessing the shape and variability of distributions. Introductory statistics courses have been traditionally using the histogram both as a tool for describing data and as a means to aid students in comprehending fundamental concepts such as the sampling distribution. In addition to being widely used in the statistics classroom, the histogram is a graphical representation of data broadly used in the media to present information. Hence, it might be expected that students are familiar with this type of data representation. Recent work in statistics education reveals, however, that students I likely to have believes about the features of histograms that are different from what is expected.

***---Maria Meletiou-Mavrotheris, and Carl Lee, Proceedings of the 4<sup>th</sup> Congress of the European Society for Research in Mathematics Education, Sant Feliu de Guixols , Spain,2005.***

- a. What does the height and width of the rectangles of a histogram signify? Also state why is a histogram considered a two dimensional diagram. **3**



**3**

b. Analyse the two graphs given above and identify the one which represents a histogram with unequal class intervals. Also, discuss what a histogram with unequal class intervals shows.

\*\*\*\*\*



Name: \_\_\_\_\_ Sec: \_\_\_ Roll No.: \_\_\_\_\_

SET-B

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST-1: [2025-2026]**  
**ECONOMICS (030)**  
**CLASS: XI**

**Time: 1½ Hrs.**

**Maximum Marks: 40**

**General Instructions:**

*1) This paper contains 10 Multiple Choice Questions type questions of 1 mark 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. Who among the following, is engaged in an economic activity? 1
- a. A farmer growing wheat for self consumption
  - b. A father buying books for his children
  - c. A person going to a temple
  - d. Both a and b
2. What will be the impact on the production capacity of India due to the lockdown imposed on account of corona virus pandemic? 1
- a. Increase
  - b. decrease
  - c. Remain constant
  - d. None of the above

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. Data collected from outsiders                  | i. External source |
| B. A person who conducts an enquiry               | ii. Enumerator     |
| C. A person who belongs to the largest population | iii. Respondent    |
| D. Original form of data                          | iv. Primary data   |

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)- Production Possibility Curve shows a decreasing slope.**

**Reason(R)- Marginal opportunity cost is the cost of producing an additional unit of Good X in terms of the loss of output of Good Y.**

**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: Sampling method is more scientific and allows easy identification of errors.**

**Statement 2: Data collected via sampling method always leads to right conclusions.**

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

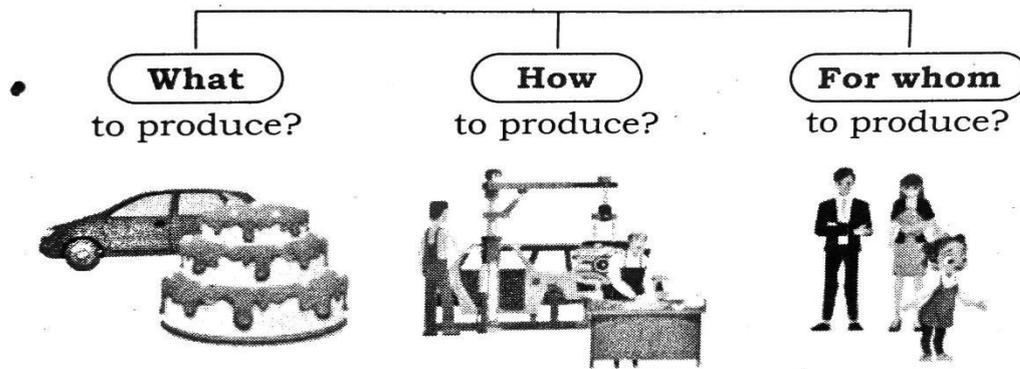
- a. Statement 1 is true and Statement 2 is false  
b. Statement 1 is false and Statement 2 is true  
c. Both statements are true  
d. Both statements are false

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

| Column I                              | Column II                                   |
|---------------------------------------|---------------------------------------------|
| A. Discovery of resources             | i. Shows the potential level of output      |
| B. Efficient utilisation of resources | ii. $\Delta Y/\Delta X$                     |
| C. Attainable combinations            | iii. Rightward shift in PPC                 |
| D. Marginal opportunity cost          | iv. All points on the PPC or inside the PPC |

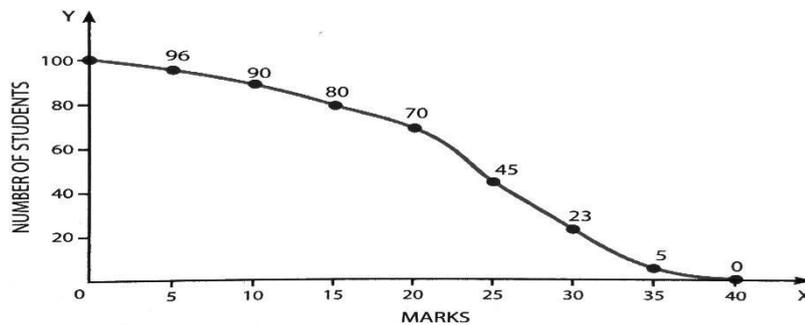
Alternatives:-

- a. A-(iv), B-(i), C-(ii), D-(iii)  
b. A-(ii), B-(iv), C-(i), D-(iii)  
c. A-(iii), B-(i), C-(iv), D-(ii)  
d. A-(iv), B-(iii), C-(i), D-(ii)
7. Read the following statements-Assertion(A) and Reason(R). Choose one of the correct alternatives given below: 1
- Assertion(A)- Cumulative frequency is the frequency of a class.**  
**Reason(R)- The extreme values of a class are called limits.**
- 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. Observe the image given below and identify the cause of the problem shown below: 1



- a. Scarcity of resources
- b. Unlimited human wants
- c. Alternative use of resources
- d. All of the above

9.



1

The graph above shows \_\_\_\_\_ cumulative frequency.

- a. Less than
- b. More than
- c. Uncertain
- d. Equal

10. Read the following statements carefully.

1

**Statement 1: Microeconomics only deal with the individuals, so there is no aggregation.**

**Statement 2: Normative statement is based upon 'value judgement'.**

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

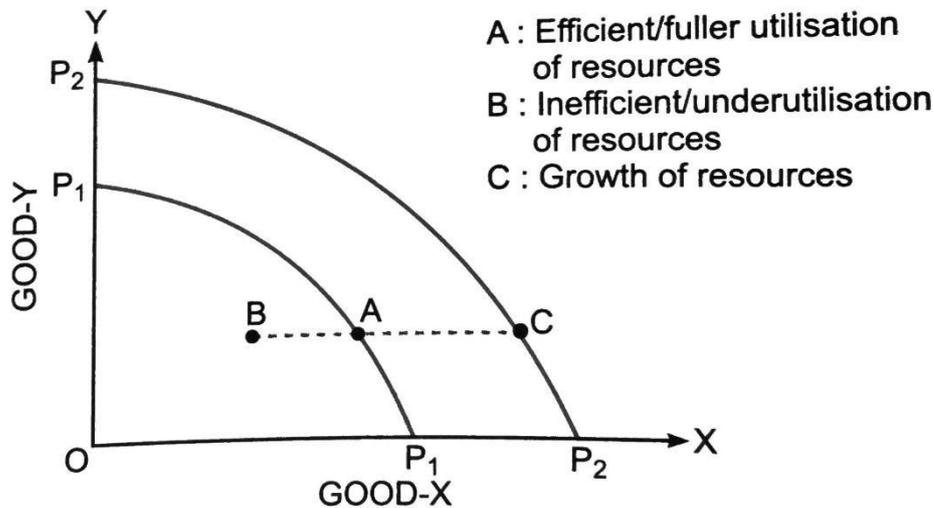
- a. Statement 1 is true and Statement 2 is false
- b. Statement 1 is false and Statement 2 is true
- c. Both statements are true
- d. Both statements are false

11. Give two points highlighting the importance of statistics. 3

**OR**

Explain three distinct components of economic activity.

12. 3



Analyse the image given above and identify which of the following situations:

- i. Full employment of resources
- ii. Underemployment of resources
- iii. Growth of resources is indicated by points A, B, & C.

Also explain the problem of '*for whom to produce*' with the help of a suitable example.

13. Do samples provide better results than surveys? 4

Give reason for your answer.

14 Do you think that, if India imports new and advanced technology from USA ( a developed country ), it solve the central problem of '*how to produce*'? 4

15 Explain the '*exclusive*' and '*inclusive*' methods used in classification of data. 4

16. Draw a PPC and explain the problem of scarcity. 6

**OR**

How central problems solved in different economies?

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

The Indian Sugar Mills Association reported that, “sugar production during the first fortnight of December, 2001 was about 387000 tonnes, as against 378000 tonnes during the same fortnight last year (2000).

The off- take of sugar form factories during the first fortnight of December, 2001 was 283000 tonnes for internal consumption and 41000 tonnes for exports as against 154000 tonnes for internal consumption and nil for exports during the same fortnight last season.”

- |                                                                                                              |          |
|--------------------------------------------------------------------------------------------------------------|----------|
| a. Present the data in tabular form.                                                                         | <b>1</b> |
| b. Suppose you were to present these data in diagrammatic form, which of the diagrams would you use and why? | <b>2</b> |
| c. Present these data diagrammatically using graph.                                                          | <b>3</b> |

\*\*\*\*\*

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

SET-

A

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST 1: [2025-2026]**  
**GEOGRAPHY**

**Class: XI**

**Time Allowed-1 ½ Hours**

**Maximum Marks-40**

**General Instructions:**

- i. Question number 1 to 12 are MCQ type questions.
- ii. Question 13 and 14 are Source based questions.
- iii. Question number 15-18 are Short Answer type questions (80-100 words).
- iv. Question number 19 and 20 are Long Answer based questions (120-150 words).

1

Regional geography approach was developed by

1

- a) Karl Ritter
- b) Alexander von Humboldt
- c) Eratosthenes
- d) Herodotus

2

**Complete the table with given options.**

1

| <b>Column I</b>    | <b>Column II</b>                      |
|--------------------|---------------------------------------|
| Human Geography    | ?                                     |
| Physical Geography | Geomorphology, Climatology, Hydrology |

**Options**

- a) Economic Geography, Soil Geography, Social Geography
- b) Social Geography, Population Geography, Plant Geography
- c) Ecology, Political Geography, Environmental Geography
- d) Cultural Geography, Settlement Geography, Historical Geography

3 **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

4 **Which one of the following statements is incorrect regarding crust of the earth?** 1

- a) The oceanic crust is thinner compared to the continental crust.
- b) The crust extends to a depth of 2900 km.
- c) It is 70 km thick in the Himalayan region.
- d) The mean thickness of oceanic crust is 5 km

5 **Which one of the following countries is larger in area than India?** 1

- a) China
- b) Egypt
- c) France
- d) Iran

6 **Which of the following is not a part of Indian subcontinent?** 1

- a) Pakistan
- b) Nepal
- c) Sri Lanka
- d) Bhutan

7 **The highest peak of the Western Ghats is** 1

- a) Dodabetta
- b) Anaimudi
- c) Nilgiri hill
- d) Mahendragiri hill

8 **Identify the physiography with given clues.** 1

- 1. It is a narrow belt ranging between 8-10 km
- 2. It is parallel to Shiwalik foothills at the break up of the slope
- 3. Streams disappear in this zone.

### Options

- a) Bhangar
- b) Khader
- c) Bhabar
- d) Tarai

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

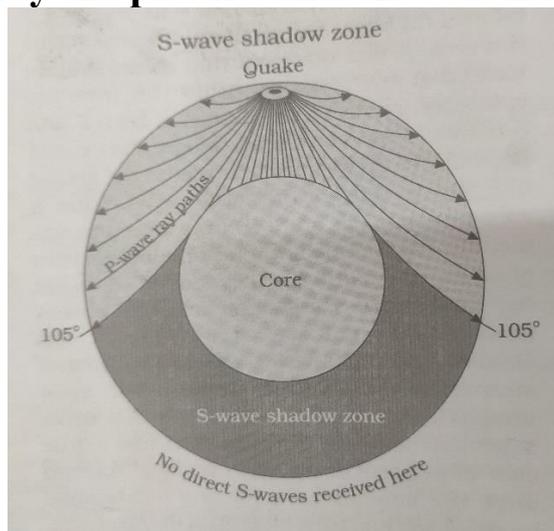
**Assertion (A)-** Geomorphology is a branch of physical geography.

**Reason (R)-** It is devoted to the study of landforms, their evolution and related processes.

### 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) Both (A) and (R) are incorrect
- d) (A) is correct but (R) is incorrect

10 **Study the picture and answer the question that follows.** 1



Which is the shadow zone for S- waves?

- a. Between 105° and 145°
- b. Beyond 145°
- c. Beyond 105°
- d. Between 100° and 105°

11 **Two statements are given below. They are Assertion (A) and Reason (R). Read them carefully and choose the correct option.** 1

**Assertion (A)-** 82° 30' E has been selected as the standard meridian of India.

**Reason (R)-** It is in multiples of 7° 30' of longitude.

## **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 incorrect but (R) is correct
- d) (A) is correct but (R) is incorrect

12 **Which of the following is incorrectly matched?**

1

| <b>Column I</b>                   |   | <b>Column II</b> |
|-----------------------------------|---|------------------|
| a) Western coastal plain          | - | Emergent coast   |
| b) Eastern coastal plain          | - | It is broader    |
| c) Andaman and Nicobar island     | - | Bay of Bengal    |
| d) Lakshadweep and Minicoy island | - | Arabian Sea      |

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

The geographical phenomena, both the physical and human, are not static but highly dynamic. They change over time as a result of the interactive processes between ever changing earth and untiring and ever-active human beings. Primitive human societies were directly dependent on their immediate environment. Geography, thus, is concerned with the study of Nature and Human interactions as an integrated whole. 'Human' is an integral part of 'nature' and 'nature' has the imprints of 'human'. 'Nature' has influenced different aspects of human life. Its imprints can be noticed on food, clothing, shelter and occupation. Human beings have come to terms with nature through adaptation and modification. As you already know, the present society has passed the stage of primitive societies, which were directly dependent on their immediate physical environment for sustenance. Present societies have modified their natural environment by inventing and using technology and thus, have expanded the horizon of their operation by appropriating and utilising the resources provided by nature. With the gradual development of technology, human beings were able to loosen the shackles of their physical environment. Technology helped in reducing the harshness of labour, increased labour efficiency and provided leisure to human beings to attend to the higher needs of life. It also increased the scale of production and the mobility of labour.

- i. Why the physical and human geography is dynamic in nature? 1
- ii. What do you mean by naturalised human beings? 1
- iii. What is the role of technology to loosen the shackles of human being in the physical environment? 1

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

**The Central Highlands** -They are bounded to the west by the Aravali range. The Satpura range is formed by a series of scarped plateaus on the south, generally at an elevation varying between 600-900 m above the mean sea level. This forms the northernmost boundary of the Deccan plateau. It is a classic example of the relict mountains which are highly denuded and form discontinuous ranges. The extension of the Peninsular plateau can be seen as far as Jaisalmer in the West, where it has been covered by the longitudinal sand ridges and crescent-shaped sand dunes called barchans. This region has undergone metamorphic processes in its geological history, which can be corroborated by the presence of metamorphic rocks such as marble, slate, gneiss, etc. The general elevation of the Central Highlands ranges between 700-1,000 m above the mean sea level and it slopes towards the north and northeastern directions. Most of the tributaries of the river Yamuna have their origin in the Vindhyan and Kaimur ranges. Banas is the only significant tributary of the river Chambal that originates from the Aravalli in the west. An eastern extension of the Central Highland is formed by the Rajmahal hills, to the south of which lies a large reserve of mineral resources in the Chotanagpur plateau.

- i. What forms the northernmost boundary of the Deccan plateau? 1
  - ii. What are barchans? 1
  - iii. What is the direction of the slope of Central Highlands? 1
- 15 “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? 3
- 16 What are the different sources through which you can have a knowledge about the interior of the earth? 3
- 17 While the sun rises earlier in the east, say Nagaland and also sets earlier, how do the watches at Kohima and New Delhi show the same time? 3
- 18 How is the latitudinal spread of India advantageous to her? 3
- 19 Describe the evolution of atmosphere and hydrosphere. 5

**OR**

20

What do you mean by a light year? Describe the stages in the development of planets.

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 North and Northeastern mountains.

\*\*\*\*\*

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

SET-

**B**

**BURNPUR RIVERSIDE SCHOOL, BURNPUR  
PERIODIC TEST I: [2025-2026]  
GEOGRAPHY**

**Class: XI**

**Time Allowed-1 ½ Hours**

**Maximum Marks-40**

**General Instructions:**

- i. Question number 1 to 12 are MCQ type questions.
- ii. Question 13 and 14 are Source based questions.
- iii. Question number 15-18 are Short Answer type questions (80-100 words).
- iv. Question number 19 and 20 are Long Answer based questions (120-150 words).

- 1 Which one of the following features can be termed as 'physical feature'?
- a) Port
  - b) Road
  - c) Plain
  - d) Water park

- 2 Complete the table with given options.

| Column I           | Column II                             |
|--------------------|---------------------------------------|
| Biogeography       | ?                                     |
| Physical Geography | Geomorphology, Climatology, Hydrology |

**OPTIONS**

- a) Environmental Geography, Zoo Geography, Plant Geography
- b) Social Geography, Population Geography, Plant Geography
- c) Ecology, Political Geography, Environmental Geography
- d) Cultural Geography, Settlement Geography, Historical Geography

- 3 **Consider the following statements and choose the correct answer from the given options.** 1
- i) Localised lumps of gas within a nebula. The gravitational force within the lumps leads to the formation of a core to the gas cloud.
  - ii) The gas cloud starts getting condensed and the matter around the core develops into small rounded objects.
  - iii) Large number of small planetesimals accrete to form a few large bodies.
- OPTIONS**
- a) Formation of star
  - b) Development of the universe
  - c) Formation of planet
  - d) Evolution of lithosphere
- 4 **Which one of the following statements is incorrect regarding core?** 1
- a) The core-mantle boundary is located at the depth of 5000 km.
  - b) The outer core is in liquid state while the inner core is in solid-state.
  - c) It is sometime referred to as the nife layer.
  - d) The core is the innermost layer of the earth.
- 5 **Which one of the following longitudes is the standard meridian for India?** 1
- a)  $69^{\circ} 30' E$
  - b)  $82^{\circ} 30' E$
  - c)  $75^{\circ} 30' E$
  - d)  $90^{\circ} 30' E$
- 6 **Two island countries located in the Indian Ocean are** 1
- a) Andaman and Nicobar
  - b) Srilanka and Maldives
  - c) Lakshadweep and Srilanka
  - d) Andaman and Nicobar and Lakshadweep
- 7 **Which one of the following is not a part of northern plain?** 1
- a) Bhabar
  - b) Tarai
  - c) Himachal
  - d) Alluvial plain
- 8 **Identify the physiography with given clues.** 1
- 1. It is an example of emergent coast
  - 2. There are well developed deltas

3. It is broader

**OPTIONS**

- a) Western coastal plain
- b) Eastern coastal plain
- c) Western ghat
- d) Eastern ghat

9

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

**Assertion (A)-** Geography attempts spatial synthesis

**Reason (R)-** Geography influences historical events.

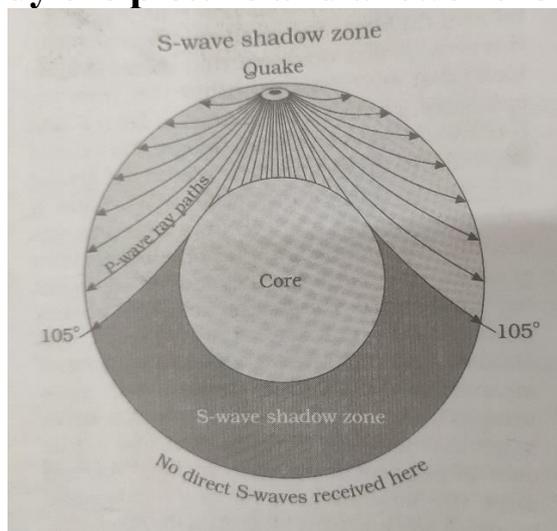
**OPTIONS**

- 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) Both (A) and (R) are incorrect
- d) (A) is correct but (R) is incorrect

10

**Study the picture and answer the question that follows.**

1



Which is the shadow zone for P- waves?

- a) Between 105° and 145°
- b) Beyond 145°
- c) Beyond 105°
- d) Between 100° and 105°

11

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

**Assertion (A)**- The latitudinal and longitudinal extent of India are about 30 degrees.

**Reason (R)**- The actual distance measured from north to south extremity is 2933 km.

**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 incorrect but (R) is correct

d) (A) is correct but (R) is incorrect

12 **Which of the following is incorrectly matched?**

1

**Column I**

**Column II**

a) Meghalaya plateau

- Garo, Khasi, Jaintia hills

b) Indian desert

- Marusthali

c) Eastern ghats

- Sahyadri, Nilgiri hills

d) Barren island

- Active volcano

13 **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. How there is an interaction between physical environment and human beings? 1

ii. What do you mean by humanised nature? 1

iii. How human beings moved from the stage of necessity to a stage of freedom? 1

14

**Read the given Passage carefully and answer the questions that follow:**

**The Deccan Plateau** -This is bordered by the Western Ghats in the west, Eastern Ghats in the east and the Satpura, Maikal range and Mahadeo hills in the north. Western Ghats are locally known by different names such as Sahyadri in Maharashtra, Nilgiri hills in Karnataka and Tamil Nadu and Anaimalai hills and Cardamom hills in Kerala. Western Ghats are comparatively higher in elevation and more continuous than the Eastern Ghats. Their average elevation is about 1,500 m with the height increasing from north to south.

‘Anaimudi’ (2,695 m), the highest peak of Peninsular plateau is located on the Anaimalai hills of the Western Ghats followed by Dodabetta (2,637 m) on the Nilgiri hills. Most of the Peninsular rivers have their origin in the Western Ghats. Eastern Ghats comprising the discontinuous and low hills are highly eroded by the rivers such as the Mahanadi, the Godavari, the Krishna, the Kaveri, etc. Some of the important ranges include the Javadi hills, the Palconda range, the Nallamala hills, the Mahendragiri hills, etc. The Eastern and the Western Ghats meet each other at the Nilgiri hills.

- |      |                                                                                                                                                                                     |   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| i.   | Mention one difference between Eastern Ghats and Western Ghats.                                                                                                                     | 1 |
| ii.  | Name the highest peak of the Western Ghats.                                                                                                                                         | 1 |
| iii. | What are the local names of the Western Ghats?                                                                                                                                      | 1 |
| 15   | “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? | 3 |
| 16   | By seeing the nature of a volcano how can you know whether they are composite volcanoes or not?                                                                                     | 3 |
| 17   | Describe the physical variations which you would come across while travelling from Kashmir to Kanniyakumari and from Jaisalmer in Rajasthan to Imphal in Manipur.                   | 3 |
| 18   | What are the implications of India having a long coastline?                                                                                                                         | 3 |
| 19   | List the stages in the evolution of the earth and explain each stage in brief.                                                                                                      | 5 |

**OR**

How was the layered structure of the earth developed?

20 Write a note on the island groups of the Arabian Sea and the Bay of Bengal. 5

**OR**

How peninsular plateau can be divided into three broad groups?  
Describe each groups in brief.

\*\*\*\*\*

Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No.: \_\_\_\_\_  
CODE: A

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST-I: [2025-2026]**  
**PHYSICAL EDUCATION (048)**  
**CLASS: XI**

Time: 1 ½ Hrs.

Maximum Marks: 40

**General Instructions:**

- *The question paper is divided into 5 sections – A, B, C, D and E and 18 questions.*
- *Section-A, consists of 7 questions (1-7). Each question carries 1 mark and are multiple choice questions.*
- *Section-B, consists of 05 questions (8-12). Each question carries 2 marks each and are very short answer types and their answers should not exceed 60-90 words.*
- *Section-C, consists of 03 questions (13-15) carrying 3 marks each and are short answer types and their answers should not exceed 100-150 words.*
- *Section-D, consists of 1 question (16) of 4 marks. Case study based questions.*
- *Section-E, consists of 2 question (17-18) of 5 marks each and are long answer types and their answers should not exceed 200-300 words.*

**SECTION A**

- Q.1. In which Olympics 1<sup>st</sup> time artificial grass has been used for field hockey? 1  
a) 1976    b) 1876    c) 1967    d) 2024
- Q.2. Write the full form of KERS. 1  
a) Kilometer Energy Recovery System  
b) Kilogram Energy Recovery System  
c) Kinetic Energy Reduce System  
d) Kinetic Energy Recovery System

Q.3

Assertion-Reason Type Questions:-

1

Given below are the two statements labelled Assertion and Reason.

Assertion (A):- Olympic Games encourage the adoption of peace.

Reason (R):- All individual differences are forgotten when participants arrive at the Games and the event commences with mutual respect and harmony.

In the context of the two statements given above, 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 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.

Q.4.

Picture based questions:-

1



The sequence of colors in the Olympic rings, from left to right is.....

- a) Blue, Yellow, Black, Red and Green
- b) Blue, Yellow, Black, Green and Pink
- c) Blue, Yellow, Black, Green and Red
- d) Blue, Yellow, Black, Green and white

Q.5. Match the following:-

1

|    | List-I     |       | List-II               |
|----|------------|-------|-----------------------|
| A. | Pranayama  | (i)   | Meditation            |
| B. | Pratyahara | (ii)  | Devine pleasure       |
| C. | Dhyana     | (iii) | Breathing Exercise    |
| D. | Samadhi    | (iv)  | Union with the divine |

(a) -A-(ii), B-(iv), C-(i) D-(iii)

(b) -A-(iii), B-(iv), C-(i), D-(ii)

(c) -A-(i), B-(iii), C-(iv), D-(ii)

(d) -A-(iv), B-(ii), C-(iii), D-(i)

Q.6. On which date is the International Yoga Day celebrated every year?

1

a) 15<sup>th</sup> August b) 21<sup>st</sup> June c) 26<sup>th</sup> January d) 21<sup>st</sup> July

Q.7. This means deep thinking without distraction.

1

a) Pratyahara

b) Dhyana

c) Samadhi

d) Dharana

### SECTION-B

Q.8. Write one suitable definition of Physical Education.

2

**OR**

What is the Aim of physical education?

Q.9. Write the Motto of Olympic Games.

2

Q.10. Describe the Olympic flag.

2

Q.11. What do you mean by Yoga.

2

Q.12. Write any two benefits of kapalbhati.

2

### SECTION-C

Q.13. What is the vision and mission of khelo-India programme?

1.5+1.5

Q.14. What are OCOGs ? Explain briefly.

1+2

Q.15. What do you mean by Pranayama? Explain the three processes of breathing techniques in Pranayama.

1+2

**OR**

What do you mean by Trataka kriya? Give its benefits.

## SECTION-D

4×1=  
4

Q.16. **Case study based questions:-**

Rama is a student of class XI. One day a medical check-up camp arrived in his locality. Raman participated there as a volunteer. Most of the people were advised to practice yogic kriyas on regular basis. The local body of that locality hired a Yoga instructor and people started the practice of yogic kriyas under his/her guidance.

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

- i) How many yogic kriyas are there?  
a) Six      b) Five      c) Four      d) Seven
- ii) This kriya helps in nasal cleansing.  
a) Vasti      b) Nauli      c) Dhauti      d) None of these
- iii) This kriya leads to the radiance of the head.  
a) Kapalbhati      b) Trataka      c) Vasti      d) Neti
- iv) This kriya improves the power of concentration and cures poor vision.  
a) Vasti      b) Nauli      c) Trataka      d) Neti

## SECTION-E

Q.17. Describe the benefits of physical education programmes for school's childrens.

5

**OR**

Enlist the various career options available in the field of physical education and explain briefly any two career options.

Q.18. Briefly discuss the functions of IOC.

5

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Name: \_\_\_\_\_ Sec: \_\_\_\_\_ Roll No: \_\_\_\_\_

CODE - B

BURNPUR RIVERSIDE SCHOOL, BURNPUR

PERIODIC TEST I: [2025– 2026]

PHYSICAL EDUCATION

CLASS: XI

Time: 1½ Hours

Maximum Marks: 40

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**General Instructions:**

1. The question paper contains 18 questions and all are compulsory.
2. Question 1 to 7 carry 01 mark each and are Multiple Choice Questions.
3. Question 8 to 12 carry 02 marks each and shall not exceed 40 to 60 words.
4. Question 13 to 15 carry 03 marks each and shall not exceed 80 to 100 words.
5. Question No. 16 case based question carries 4 marks .
6. Question 17 and 18 carry 05 marks each and shall not be exceed 150 - 200 words.

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**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. SAI stands for: 1  
  
a) Sports Appointment of India  
b) Sports Authority of India  
c) Sports Academic of India  
d) Sports Association of India
3. Who is the father of the modern Olympic Games? 1  
  
a) Pierre-de-Coubertin    b) Aristotle    c) John Pele    d) Thomas Bach

4. Where is the headquarter of International Olympic committee? 1  
a)Geneva b)Paris c)London d)Lausanne
5. Who defined yoga an "Skillness in action" ? 1  
a) Maharishi Patanjali b) Lord Krishna c) Swami Vivekananda  
d)Brahmaanda
6. Out of the following which one in not Ashtang yoga?  
a) Dhauti b) Yama c) Dhyana d) Niyama.
7. The word 'Yoga' in derived from which Sanskrit word?  
a) Nir b) Yukti c) Yog d) Yuj

### SECTION -B

#### **Answer the following questions.**

8. What is the mission of khelo India Programme ? 2
9. Write a short note on the Olympic Flag. 2
10. Explain the Olympic Values. 2  
OR  
What is Olympism?
11. Discuss any two importance of Asana. 2  
OR  
Discuss any two importance of Pranayama.
12. What do you mean by the term 'Yoga'? 2
- ### SECTION - C
13. How can yoga help in maintaining healthy lifestyle? 3
14. Discuss the main functions of International Olympic Committee. 3  
OR  
Discuss the main functions of National Olympic Committee.
15. What are the advantages of using technology in sports? 3

## SECTION - D

16. **Case based question:**  
The path of yoga is a flight of eight steps. Efficiency in yoga is attained through step by step process. These are also known as eight elements of yoga.  
They are for the individual to think about and ponder over with a rational mind, because yoga is not about mindlessly accepting externally imposed rules, it is about finding the truth for oneself and connecting with it.
- Based on the above passage, answer the following questions:**
- (i) Which is the first element of yoga? 1  
a)Asana b)Pranayama c)Pratyhara d)Yama
- (ii) Who wrote Ashtanga Yoga? 1  
a)Maharishi Patanjali b)Lord Krishna  
c)Swami Vivekananda d)Swami Vedabase
- (iii) The elements of Niyama are- 1  
a)3 b)4 c)5 d)6
- (iv) What is the meaning of Pranayama? 1  
a)Control of breath  
b)Stable in a position  
c)Nature of sense  
d)Control emotion

## SECTION – E

17. Explain any five objectives of Physical Education. 5  
OR  
Discuss about teaching career in Physical Education.
18. Explain Ancient Olympic Games in details. 5

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NAME \_\_\_\_\_ SEC \_\_\_\_\_ ROLL NO \_\_\_\_\_

CODE: A

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST-I :[2025-2026]**  
**INFORMATION TECHNOLOGY (802)**  
**CLASS: XI**

**TIME: 1 ½ Hrs.**

**Maximum Marks:40**

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**General Instructions:**

1. Please read the instructions carefully.
  2. This Question Paper consists of **10 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 02 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 10 questions on Employability Skills (1 x 10 = 10 marks)**
- i. Choose which of the following is/are non-verbal communication(s). 1  
a.Head movement    b.letters    c.Conversation  
d.Facial Expression    e.Memos    f.Public Speaking
- ii. Identify which of the following are strength(s) of a person. 1  
a.Insecurity    b.Versatility    c.Self-criticism  
d.Too detailed-oriented    e.Taking initiative
- iii. \_\_\_\_\_ is permanent means of communication. 1  
a. Written Communication  
b. Visual Communication  
c. Verbal Communication  
d. none of these
- iv. What does S stands for in 'SMART' Goal? 1  
a. Super    b. Sound    c. Specific    d. Serial
- v. \_\_\_\_\_ relates to sound or voice while speaking. 1  
a. Vowels    b. Phonetics  
c. Phrase    d. Sentence
- vi. \_\_\_\_\_ refers to making your appearance clean and neat. 1  
a. Dressing    b. Initiative  
c. Grooming    d. Motivation
- vii. \_\_\_\_\_ is the process of receiving the message accurately and then understanding the information you are sharing. 1
- viii. Your \_\_\_\_\_ refers to those areas where you need to improve yourself since you lack in those abilities. 1
- ix. Gesture is a type of Verbal Communication . 1  
(True or False)
- x. Money is a form of Extrinsic Motivation.(True or False) 1

2. **Answer the following 9 questions on  
(1 x 9 = 9 marks)**
- i. What is slide master? 1
  - ii. What is the use of Find and Replace option? 1
  - iii. The \_\_\_\_\_ tab has commands that are required for viewing the current presentation in different ways. 1  
a.Edit      b. View      c. File                  d. Insert
  - iv. The \_\_\_\_\_ is the vertical axis where values are plotted. 1  
a. x-axis      b. Chart Title      c. y-axis      d. Data series
  - v. \_\_\_\_\_ function counts the number of cells that has numbers in the list of arguments given. 1  
a. SUM()                  b. AVERAGE()  
c. COUNT()      d. IF()
  - vi. Header and Footer option in writer is found in \_\_\_\_\_ tab. 1  
a. Edit      b. Insert      c. File                  d. View
  - vii. In \_\_\_\_\_ we can write the condition for filtering in separate cells and then filter accordingly. 1
  - viii. \_\_\_\_\_ is the combination of absolute and relative referencing. 1
  - ix. The extension of Writer is .ods.[True or False] 1

**SECTION B: SUBJECTIVE TYPE QUESTIONS**

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

3. Name the four types of communication styles. 2
4. Mention the four factors that may influence teamwork. 2
5. Mention the four steps for building self- motivation. 2

**Answer the following 2 questions  
(2 x2 = 04 marks)**

6. What is a word processor? 2
7. What do you mean by Sorting and Filtering of data in Open Office Calc. 2

**Answer the following 1 question**

**(3 x 1 = 03 marks)**

8. Mention any six components of Open Office org Writer window. 3

**Answer the following 2 questions**

**(4 x 2 = 8 marks)**

9. In a spreadsheet, cells A5 to A9 contain values 10, 20, 30, 40 and 50. Write down the formulas using functions for the following questions. 4
- a) To calculate the total of the numbers.
  - b) To calculate the product of the numbers.
  - c) To calculate the average of the numbers.
  - d) To calculate the square root of the number in cell A8.
10. Explain the following views: (a)Slide Show, 4  
(b)Handout page

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NAME \_\_\_\_\_ SEC \_\_\_\_\_ ROLL NO \_\_\_\_\_

CODE: B

**BURNPUR RIVERSIDE SCHOOL, BURNPUR**  
**PERIODIC TEST-I :[2025-2026]**  
**INFORMATION TECHNOLOGY (802)**  
**CLASS: XI**

**TIME: 1 ½ Hrs.**

**Maximum Marks:40**

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**General Instructions:**

1. Please read the instructions carefully.
  2. This Question Paper consists of **10 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 02 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 10 questions on Employability Skills (1 x 10 = 10 marks)**
- i. Choose which of the following is/are verbal communication(s). 1  
a. Head movement      b. letters      c. Conversation  
d. Facial Expression      e. Memos      f. Public Speaking
- ii. Identify which of the following are weaknesses of a person. 1  
a. Flexibility      b. Versatility      c. Self-criticism  
d. Too detailed-oriented      e. Taking initiative
- iii. \_\_\_\_\_ communication is good for illiterate people. 1  
a. Written Communication  
b. Non Verbal Communication  
c. Verbal Communication  
d. none of these
- iv. What does A stands for in 'SMART' Goal? 1  
a. Adorable      b. Achievable  
c. Attainable      d. Adequate
- v. The \_\_\_\_\_ communication style is often used by those who act indifferently about the topic. 1  
a. Passive      b. Aggressive  
c. Assertive      d. none of these
- vi. \_\_\_\_\_ is the force that drives you to do things. 1  
a. Hygiene      b. Awareness  
c. Grooming      d. Motivation
- vii. \_\_\_\_\_ is the response which tells how successful you have been communicating information. 1
- viii. \_\_\_\_\_ are the dreams you want to achieve in life but these dreams have a deadline to get them. 1
- ix. Body posture is a type of Visual Communication . 1  
(True or False)
- x. Teamwork results in higher productivity.(True or False) 1

2. **Answer the following 9 questions on  
(1 x 9 = 9 marks)**
- i. What is Legend in a Chart? 1
- ii. What is Macro? 1
- iii. In \_\_\_\_\_ referencing the formula has a column label and row number without \$ sign. 1
- a. Relative      b. Absolute  
c. Mixed      d. None of these
- iv. In Open Office org Writer, \_\_\_\_\_ option is used to split a particular cell from a table. 1
- a. Convert      b. Split Cell  
c. Select      d. Insert
- v. \_\_\_\_\_ option is used to see how the document will look after printing. 1
- a. Page Preview      b. Printer Setting  
c. Print Layout      d. View
- vi. In \_\_\_\_\_ case, the capital letter will become small and lower case letter will become capital. 1
- a. Sentence      b. Upper  
c. Lower      d. Toggle
- vii. Custom Animation is in \_\_\_\_\_ menu in Open Office org Impress. 1
- viii. Change Case option is in \_\_\_\_\_ tab. 1
- ix. Slide Sorter view presents all slides of the presentation in a miniature form. [True or False] 1

**SECTION B: SUBJECTIVE TYPE QUESTIONS**

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

3. What is Aggressive communication style? 2
4. Give two benefits of networking skills. 2
5. Define Time Management. 2

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

6. What is a chart? 2
7. Name two option of view tab in Open Office org Writer. 2

**Answer the following 1 question**

**(3 x 1 = 03 marks)**

8. Define: 3  
a. Value axis      b. Category Axis      c. Plot Area

**Answer the following 2 questions**

**(4 x 2 = 8 marks)**

9. In a spreadsheet, cells D5 to D9 contain values 10, 20, 30, 40 and 50. Write down the formulas using functions for the following questions. 4  
a) To count the number of cells in the range.  
b) To calculate the maximum value in the range.  
c) To calculate the average of the numbers in the range.  
d) To calculate the minimum value in the range.
10. Explain the following : (a)Animation, (b)Transition 4

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