

BURNPUR RIVERSIDE SCHOOL, BURNPUR
SESSION : 2020-2021; ANNUAL
ENGLISH ASSIGNMENT – 3
CLASS: 11

1. Answer the following questions in 30-40 words each.
 - (i) Why was it hard for the author to believe that the grandmother was once young and pretty?
 - (ii) How did Aram justify the act of stealing the horse?
 - (iii) 'But our respite was short-lived.' Why does the narrator say so?
 - (iv) When did the narrator first learn about the existence of Mrs. Dorling?
 - (v) What was weighing on Andrew's mind as he waited with the patient?
 - (vi) What was the sight on the plateau ruins of the Tethys Ocean?

2. Answer the following questions in 100-120 words each.
 - (i) 'The Address' is a story of human predicament that follows war. Comment.
 - (ii) How do the Chinese expect the people to view the horizontal scroll? Why?

3. *And who art thou? Said I to the soft-falling shower,
Which, strange to tell, gave me an answer, as here translated:
I am the Poem of Earth, said the voice of the rain,*
 - (i) Who are the two people in conversation?
 - a) Poet and rain b) earth and rain c) poet and earth d) none of these.
 - (ii) What did the poet ask?
 - a) asked the earth to sing b) asked the rain who it was
 - c) asked the name d) asked why it was raining
 - (iii) Why was it 'strange to tell'?
 - a) rain was replying b) rain was angry
 - c) earth was behaving strangely d) the earth was rhyming
 - (iv) What does the rain call itself?
 - a) beautiful b) ugly c) rhyme of the earth d) extraordinary

4. Write a debate in 120-150 words for the motion on the topic:
“We have Indian body but European psyche and soul”.

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BURNPUR RIVERSIDE SCHOOL, BURNPUR
SESSION : 2020-2021; ANNUAL
ENGLISH ASSIGNMENT - 4
CLASS: 11

1. Answer the following questions in 30-40 words each.
 - (i) Who was Norbu? How could he be a help to the narrator?
 - (ii) How did Andrew revive the mother?
 - (iii) What was the narrator's mother's opinion about Mrs. Dorling?
 - (iv) What awareness according to Nani Palkhivala is growing worldwide? Why?
 - (v) Why does Taplow feel that Mr. Harris is hardly human?
 - (vi) What were the treasures found in the coffin?

2. Answer the following questions in 100-120 words.
 - (i) Narrate the narrator's meeting with the Tibetan doctor.
 - (ii) Describe the ride of Aram and Mourad when they went out together for the first time.

3. *Then with eerie delicate whistle-chirrup whisperings
She launches away, towards the infinite
And the laburnum subsides to empty.*
 - (i) What does the goldfinch finally do?
 - a) flies away b) starts singing c) trembles d) remains on the tree
 - (ii) Why has the sound been described as 'eerie delicate whistle-chirrup whisperings'?
 - a) sound is peculiar b) sound has trills c) it is a twittering song d) all of the above
 - (iii) Where does she go?
 - a) flies into the sky b) enters the thickness c) sits on another tree d) goes to her family.
 - (iv) What is the effect on the tree?
 - a) comes to life b) becomes silent c) starts up like a machine d) becomes empty

4. Write a speech in 120-150 words on : 'How Media Influences

Public Opinion' to be delivered in the morning assembly. You are Albert/Christine.

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BURNPUR RIVERSIDE SCHOOL, BURNPUR

CLASS - XI

CLASS 11 - MATHEMATICS

ASSIGNMENT - 3

1. Find the equation of the parabola with vertex at (0, 0) and focus at (0, 2). [1]
2. Find the radius of the circle $(x \cos a + y \sin a - a)^2 + (x \sin a - y \cos a - b)^2 = k^2$, if a varies, the locus of its centre is again a circle. Also, find its centre and radius. [1]
3. For the following parabolas find the coordinates of the foci, the equations of the directrices and the lengths of the latus-rectum: $y^2 = -12x$. [1]
4. How many four-digit numbers can be formed with the digits 3, 5, 7, 8, 9 which are greater than 8000, if repetition of digits is not allowed? [2]
5. How many triangles can be formed in a decagon? [2]
6. A cricket team of 11 players is to be selected from 16 players including 5 bowlers and 2 wicketkeepers. In how many ways can a team be selected so as to consist of exactly 3 bowlers and 1 wicketkeeper? [2]
7. There are 10 points in a plane of which 4 are collinear. How many different straight lines can be drawn by joining these points. [2]
8. If the first term of an A.P. is 2 and the sum of first five terms is equal to one-fourth of the sum of the next five terms, find the sum of first 30 terms. [3]
9. If $a_1, a_2, a_3, \dots, a_n$ are in AP with common difference d {where $d \neq 0$ } then prove that the sum of the series $\sin d(\operatorname{cosec} a_1 \operatorname{cosec} a_2 + \operatorname{cosec} a_2 \operatorname{cosec} a_3 + \dots + \operatorname{cosec} a_{n-1} \operatorname{cosec} a_n)$ is equal to $(\cot a_1 - \cot a_n)$. [3]
10. Find the equation of the circle which is circumscribed about the triangle, whose vertices are (-2, 3), (5, 2) and (6, -1). [5]

BURNPUR RIVERSIDE SCHOOL, BURNPUR

CLASS - XI [SESSION: 2020 - 2021]

CLASS 11 - MATHEMATICS

ASSIGNMENT - 4

Section A

1. If $y = \left(1 + x + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots \infty\right)$, show that $\frac{dy}{dx} = y$ [1]
2. Evaluate: $\lim_{x \rightarrow 1} \frac{x-1}{\log_e x}$. [1]
3. Three numbers are in AP and their sum is 15. If 1, 3, 9 be added to them respectively, they form a GP. Find the numbers. [2]
4. The probability that a truck stopped at a roadblock will have faulty brakes or badly worn tires are 0.23 and 0.24, respectively. Also, the probability is 0.38 that a truck stopped at the roadblock will have faulty brakes or badly working tires. What is the probability that a truck stopped at this roadblock will have faulty brakes as well as badly worn tires? [2]
5. Prove that the sum of m arithmetic means between the two numbers is to the sum of n arithmetic means between them is m : n. [3]
6. Find the equation of the line passing through (-3, 5) and perpendicular to the line through the points (2, 5) and (-3, 6). [3]
7. Find equation of the line passing through the point (2, 2) and cutting off intercepts on the axis whose sum is 9. [3]
8. Differentiate each of the from first principles: $x^2 e^x$. [3]
9. Find the (i) lengths of major and minor axes, (ii) coordinate of the vertice, (iii) coordinate of the foci, (iv) eccentricity, and (v) length of the latus rectum of ellipse: $x^2 + 4y^2 = 100$. [5]

Section B

10. **Read the Case study given below and attempt any 4 sub parts:** [4]
In drilling world's deepest hole, the Kola Superdeep Borehole, the deepest manmade hole on Earth and deepest artificial point on Earth, as a result of a scientific drilling project, it was found that the temperature T in degree Celsius, x km below the surface of Earth, was given by:
 $T = 30 + 25(x - 3), 3 < x < 15$.

If the required temperature lies between 200°C and 300°C , then



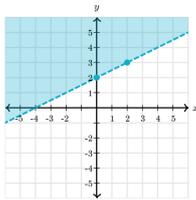
i. the depth, x will lie between

- a. 9 km and 13 km
- b. 9.8 km and 13.8 km
- c. 9.5 km and 13.5 km
- d. 10 km and 14 km

ii. Solve for x . $-9x+2 > 18$ OR $13x+15 \leq -4$

- a. $x \leq \frac{-19}{13}$
- b. $x < \frac{-16}{13}$
- c. $\frac{-16}{13} < x < \frac{-19}{13}$
- d. There are no solution.

iii. Find the inequality represented by the graph

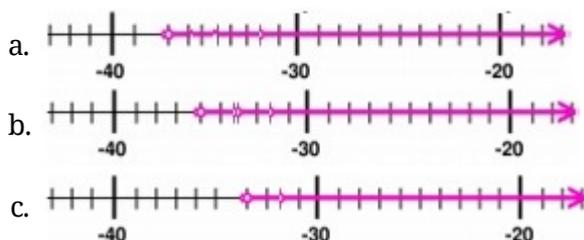


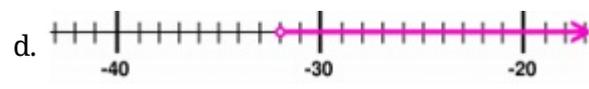
- a. $y \leq \frac{1}{2}x+2$
- b. $y > \frac{1}{2}x+2$
- c. $y \geq \frac{1}{2}x+2$
- d. $y < \frac{1}{2}x+2$

iv. If $|x| < 5$ then the value of x lies in the interval

- a. $(-\infty, -5)$
- b. $(\infty, 5)$
- c. $(-5, \infty)$
- d. $(-5, 5)$

v. Graph the following inequality on the number line: $x > -32$





BURNPUR RIVERSIDE SCHOOL, BURNPUR

ASSIGNMENT-3

SUBJECT- MATHEMATICS (APPLIED)

CLASS-XI

1. Find the mean deviation about the mean, as well as median for the series:
6, 7, 10, 12, 13, 4, 8, 12

2. Find the mean and the standard deviation for the following data:

x_i	6	10	14	18	24	28	30
f_i	2	4	7	12	8	4	3

3. Calculate the Karl Pearson's coefficient of skewness for the following frequency distribution:

x_i	14	15	16	17	18	19	20
f_i	14	26	18	8	2	1	1

4. Find the first four central moments for the set of observations:
2, 3, 5, 7, 8
5. A man saves Rs.4000 every year and invest it at the end of the year at 10% per annum compound interest. Calculate the total amount of his savings at the end of the third year.
6. The simple interest on a certain sum for 3 years is Rs.225 and the compound interest on the same sum at the same rate for 2 years is Rs.153. Find the rate of interest and the principal.
7. Find the amount of an annuity of Rs.1500 payable at the end of every 3 months for 1 year, if money is worth 12% per annum compounded quarterly.
8. How many three digits number can be formed using the digits 0, 1, 3, 5, 6, 7 if repetitions of digits is not allowed?
9. Find the value of $P(7,5)$ or 7P_5 .
10. How many arrangements can be made with the letters of the word MATHEMATICS if vowels occur together?

BURNPUR RIVERSIDE SCHOOL, BURNPUR

ASSIGNMENT-4

SUBJECT- MATHEMATICS (APPLIED)

CLASS-XI

1. If ${}^n P_r = 720 \times {}^n C_r$, find the value of r.
2. How many four letter words can be formed by using the letters of the word 'INEFFECTIVE'?
3. How many selections of 4 books can be made from 8 different books?
4. How many different words can be formed with the letters of the word ORDINATE so that vowels occupy odd places?
5. Find the mean deviation about the median for the following data:

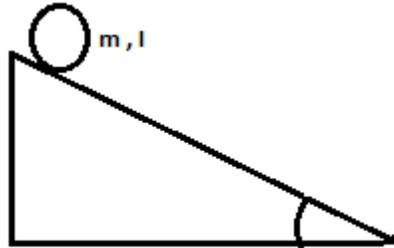
x_i	15	21	27	30	35
f_i	3	5	6	7	8

6. The variance of 20 observations is 5 . If each observation is multiplied by 2 find the variance of the resulting observation.
7. The mean of 5 observation is 6 and the standard deviation is 2 . If the three observations are 5,7,9 find the other two observations.
8. The 1st four central moments of a frequency distribution are 0,6,19 and 42 respectively. Examine the Skewness and kurtosis of the distribution.
9. The price of a bicycle is Rs. 3136 inclusive of tax (under GST) at the rate of 12% on its listed price. A buyer asks for a discount on the listed price so that after charging GST the selling price becomes equal to the listed price. Find the amount of discount which the seller has to allow for the deal.
10. Find the amount of an annuity of Rs. 800 payable at the end of each year for 3 years, if money is worth 8% per annum compounded annually.

BURNPUR RIVERSIDE SCHOOL ,BURNPUR
SESSION :2020-2021
SUBJECT :PHYSICS
CLASS:XI
ASSIGNMENT:3

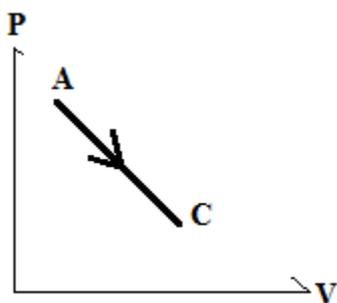
- Q1. State and prove the Parallelogram law of vector.
- Q2. Prove :
 $V = u + at$
 $V^2 = U^2 + 2aS$
 $S = ut + \frac{1}{2}(at^2)$
Using **graph**.
- Q3. Prove :
 $V = u + at$
 $V^2 = U^2 + 2aS$
 $S = ut + \frac{1}{2}(at^2)$
Using **calculus**.
- Q4. Find the expression of maximum height , maximum range when a projectile is projected with a velocity of u at an angle of θ with the horizontal.
Also find the condition for which the range is maximum , hence find the value of maximum range.
- Q5. Prove that in a perfect elastic collision kinetic energy is conserved.
- Q6. A uniform rope of length L ,and mass m resting on a frictionless horizontal surface is pulled at one end by a force F . What is the tension in the rope at a distance X from the end where the force is applied ?
- Q7. Define angle of repose and angle friction.
Prove that angle of repose and angle friction are equal to each other.
- Q8. A body is tied at the end of the string is made to revolve in a vertical circle. Derive the expression for velocity of the body and tension in the string at any point.
Derive the condition such that it can complete a vertical loop
- Q9. A body of mass “ m ” is moved along a straight line by a machine delivering a constant power “ P ”. Find the expression of velocity “ v ” moved by body in time “ t ” sec.

Q10. A body of mass m and moment of inertia I rolls down without slipping a rough inclined plane of inclination θ as shown in figure. Find expression of acceleration of the body.



BURNPUR RIVERSIDE SCHOOL ,BURNPUR
SESSION :2020-2021
SUBJECT :PHYSICS
CLASS:XI
ASSIGNMENT:4

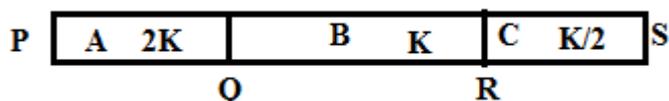
- Q1. A wire is cut to half its length , how would it effect the elongation under the effect of same load ?
- Q2. With help of kinetic theory of gas prove Avogadro's law.
- Q3. A wire of cylindrical cross section is stretched by application of force . Find relation between volumetric strain, lateral strain and longitudinal strain.
 Also prove that elastic potential energy stored per unit volume is given by $\frac{1}{2}(\text{stress})(\text{strain})$.
- Q4. Derive the expression of work done in an Adiabatic process.
- Q5. A monoatomic gas undergoes a process $PT=\text{constant}$. Then find the molar specific heat of the process
- Q6. State the law of Equipartition of energy and find the relation between adiabatic index (γ) and degrees of freedom (F) for a particular gas .
- Q7. Point A has a pressure of $2P_0$ and volume of V_0 whereas C point has a pressure of P_0 and volume of $2V_0$.



Write the Pressure volume relation for the process AC.
 Write the Temperature volume relation for the process AC.
 At what volume between A and C temperature attained is maximum ?

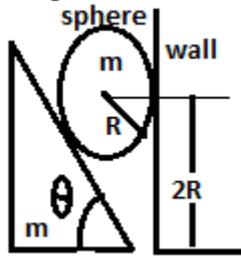
Also find the maximum temperature between a and C .

- Q8. Three identical rods having same dimension are joined in series as shown in the figure . End P has temperature of 100°c and end S has temperature 0°c . Their thermal conductivities are also shown in the figure. Find temperature of two junctions Q and R and equivalent thermal conductivity of the whole system.

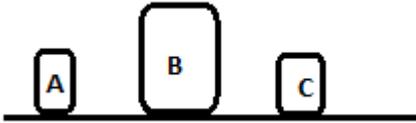


- Q9. A sphere of mass m is held at a height of $2R$ between a movable wedge of mass " m " and a rigid wall is released from rest . Assuming that all surfaces are smooth and frictionless . Find speed of both the wedge and the sphere , when the sphere hits the ground

. (Angle of the wedge is θ)



- Q10. Three objects A, B and C are kept on a straight line on frictionless horizontal surface. These objects have mass of $m, 2m$ and m respectively. The object A is moving with speed of $9m/s$ towards B and makes perfectly elastic collision with it. There after B moves and makes perfectly inelastic collision with C. Find final speed of object C .



BURNPUR RIVERSIDE SCHOOL
SESSION 2020-2021
CLASS-XI
SUBJECT-CHEMISTRY
ASSIGNMENT-2

- 1 Write down the IUPAC name of the following compound:
$$\text{CH}_3\text{CH}_2\underset{\text{CH}_3}{\text{CH}}\text{CH}_2\text{CN}$$
- 2 Why is Wurtz reaction carried out in dry ether?
- 3 Why do alkene have higher boiling point than alkane?
- 4 What happens 1,2-Dibromo ethane reacts with excess of alc. KOH
- 5 How will you convert benzene into:
(a) Acetophenone? (b) m-nitrochlorobenzene?
- 6 Give a chemical test to distinguish between ethane and ethyne.
- 7 What product is obtained when Toluene is treated with one mole of Cl_2 in presence of sunlight?
- 8 Write IUPAC names of the products obtained by the ozonolysis of :
(i) Pent-2-ene and (ii) 2-Ethylbut-1-ene
- 9 Write chemical reaction of
(i) Wurtz reaction (ii) \bullet -elimination reaction
- 10 (a) Define and explain Markovnikov rule with example.
(b) Complete the following chemical equations:
(i) $(\text{CH}_3)_2\text{C} = \text{CH}_2 + \text{H}_2\text{O}/\text{H}^+ \text{-----} \rightarrow$
(ii) $\text{CH}_2 = \text{CH}_2 + \text{H}_2\text{O} + \text{O} \text{-----}(\text{KMnO}_4) \text{----} \rightarrow$
(iii) $\text{CH}_3\text{-CH}=\text{CH}_2 + \text{HBr}/ \text{peroxide} \text{-----} \rightarrow$

Please note: Students must copy all the questions. They must write down the assignment in a separate copy subject wise.

BURNPUR RIVERSIDE SCHOOL
SESSION 2020-2021
CLASS-XI
SUBJECT-CHEMISTRY
ASSIGNMENT-3

- 1 What is Decarboxylation? Give an example.
- 2 How will you detect the presence of unsaturation in an organic compound?
- 3 Convert ethyne to Propyne.
- 4 Why do hydrocarbon molecules with an odd number of carbon atoms have lower melting points than those with an even number of carbon atoms?
- 5 Give the structure of alkene(C_4H_8) which adds on HBr in the presence and in absence peroxide to give the same product, C_4H_9Br .
- 6 Write short note on Markovnikov's Rule.
- 7 Convert:
(i) Ethylene to Nitrobenzene (ii) Acetylene to Toluene
- 8 An unknown alkene 'A' on reductive ozonolysis gives two isomeric carbonyl compounds 'B' and 'C' having molecular formula C_3H_6O . Write the structures of A, B and C.
- 9 Write chemical reaction of
(i) Wurtz-Fittig reaction (ii) Kolbe's electrolytic method
- 10 (a) What is Huckel rule?
(b) How would you convert the following compounds into benzene?
(i) Ethyne (ii) Ethene (iii) Hexane (iv) Phenol

Please note: Students must copy all the questions. They must write down the assignment in a separate copy subject wise.

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT 3
SUB: BIOLOGY (044)
CLASS XI

1. Differentiate between Thalamus and hypothalamus?
2. Are reactions like aggressive behaviour use of abusive words and restlessness are regulated by which part of the brain?
3. What do grey and white matter in the brain represent?
4. Where is the hunger centre located in the human brain?
5. Compare electrical transmission and chemical transmission in human body.
6. Define hormone. Write the functions of Insulin and Glucagon.
7. What is erythropoiesis? Which hormone stimulates it?
8. Name the only hormone secreted by pars intermedia of the pituitary gland.
9. What is the role played by Luteinising hormones in males and females respectively?
10. Old people have weak immune system. What could be the reason?

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT 4
SUB: BIOLOGY (044)
CLASS XI

1. Define a taxon. Give some examples of taxa at different hierarchical levels.
2. How is the five kingdom classification advantageous over two kingdom classification?
3. In which plant will you look for mycorrhiza and coralloid roots?
4. What do you mean by alteration of generation?
5. How important is the presence of air bladder in Pisces?
6. What are zygomorphic flowers?
7. Mention some characteristics of mitochondria.
8. What is meant by tertiary structure of proteins?
9. What is the significance of meiosis?
10. Discuss the light reaction in photosynthesis.

BURNPUR RIVERSIDE SCHOOL, BURNPUR
BUSINESS STUDIES ASSIGNMENT - III
Class – XI

1	Debenture holders are called as (a) Employees of the company (b) Owners of the company (c) Creditors of the company (d) none of these
2	Service enterprise having Rs.5 crore investment in plant and machinery (a) Micro enterprise (b) Small enterprise (c) Medium enterprise (d) none of these
3	Name the tax which combine all indirect taxes. (a) VAT (b) Sales Tax (c) GST (d) none of these
4	Differentiate between equity share and preference share
5	Describe briefly the problems of small scale industries.
6	Explain any five reasons for international business.
7	Explain in brief the merits and demerits of trade credit.
8	What are the incentives provided by the Government for industries in backward and hilly areas?
9	P.Ltd. stores are networks of retail shops owned and operated by Puma Company. These shops operate in different parts of country. One can easily identify these shops in any part of the country as they have same appearance, even their interior is also identical. All the shops are supplied the goods from head office only and all the policies for all branches are made by head office only. Even store sell some goods at uniform prices. (a) State the type of retail store mentioned in above case. (b) State any four features of chain store.
10	Explain the benefits of international business to nations and to firms.(three in each case)

BURNPUR RIVERSIDE SCHOOL, BURNPUR
BUSINESS STUDIES ASSIGNMENT - IV
Class – XI

1	To process imported raw materials which institute help SSI? (a)NSIC (b) DIC (c) Both (a) and (b) (d) none of these
2	Who controls acompany ? (a) Debentureholders (b) Employees (c) Shareholders (d) none of these
3	Shops having same interior exterior and sell at uniform price are called (a) Departmental store (b) Chain store (c) Both (a) and (b) (d) none of these
4	What advantages does issue of debentures provide over the issue of equity share
5	What do you mean by international business? How will you classify international business? Define them.
6	Describe the roll of small business in rural India.
7	Give any six differences between international business and domestic business.
8	Explain the services of wholesalers to manufacturer and to retailers (three in each case)
9	Explain the factors to be kept in mind before selecting a source of finance.
10	Mansi orders a mixture on the basis of advertisement in a newspaper specifying the features, price, delivery terms. It specified the terms of payment will be VPP only. (a) Identify this type of retail business. (b) Explain any five features of above mentioned type of retail business.

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT – 3[SESSION: 2020 – 2021]
ACCOUNTANCY
CLASS – XI [COMMERCE]

- 1 Provision ____ of the year in which it is created.
(a) Increases the profits (b) Decreases the profit (c) Does not affect the profit (d) May increase or decrease the profit.
- 2 How will you classify the following transaction?
A person was injured by a motor car of the company. Rs.100,000 was paid to him by way of compensation.
(a) Capital expenditure (b) Revenue Expenditure (c) Deferred Revenue Expenditure.
- 3 Calculate gross profit if rate of gross profit is 25% on sales and cost of goods sold are Rs.180,000 (a) Rs.60,000 (b) Rs.36,000 (c) Rs.45,000 (d) Rs.30,000
- 4 The following balances appeared in Trial Balance of M/s K.Traders as at 31.03.2020
Sundry Debtors 305,000 Bad Debts 5000 Provision for Bad Debts 20,000
The proprietor of the business agreed to record the following adjustments in the books of the business. Further bad debts Rs.3000; maintain provision for bad debt 10%. Pass necessary journal entries in the books of the business, Show workings clearly.
- 5 What do you mean by ‘Single Entry System’? Explain any four limitations of that system

- 6 A company purchased on 1.4.2016, a machinery for Rs.80,000. On 1.10.2017 it purchased another machine for Rs.50,000 and on 1.10.2018 it sold off the first machine purchased in 2016 for Rs.23,000. Depreciation was provided on the machinery @ 20%pa on the original cost.

Give the machinery A/c for 4 years commencing from 1st April 2016.
Accounts are closed on 31st March every year.

- 7 The following balances appear in the book of Y Ltd.:

Machinery A/c on 1.4.2014 Rs.800,000

Provision for Depreciation A/c as on 1.4.2014 Rs.310,000

On 1.7.2014 a machinery which was purchased on 1.4.2011 for rs.120,000 was old for Rs 50,000 and on the same date another machinery was purchased for Rs.320,000.

The firm has been charging depreciation at 15% pa on original cost method and closes its books on 31st March every year.

Prepare the Machinery A/c and provision for Depreciation a/c for the year ending 31st March 2015

- 8 What do you mean by secret reserve? Mention any five ways of creating secret reserve?
- 9 Explain any six features of a computer system.
- 10 The following are the balances extracted from the books of R.Prasad as on 31.03.2019. From the following balances prepare the Trading and Profit and Loss A/c and Balance Sheet as at that date.

	Dr. (Rs.)	Cr.(Rs.)
Opening Stock	12,000	
Purchases	40,000	
Sales		86000
Discount		400
Sales Return	6000	
Building	50000	
Debtors	16000	
Salaries	2400	
Office Expenses	1200	

Wages	10,000	
Purchases Return		4000
Interest		800
Travelling Expenses	400	
Fire Insurance Premium	800	
Machinery	20000	
Carriage on purchases	700	
Commission	400	
Cash in hand	2300	
Rent and Taxes	1800	
Capital		62000
Creditors		10800
	<u>164000</u>	<u>164000</u>

Adjustments

- (a) Closing stock was valued at Rs.16,000
- (b) Wages Rs.2000 and Salaries Rs1200 are outstanding
- (c) Rent for 2 months @Rs.500 per month was outstanding
- (d) Depreciate building by 5% and machinery by 10%.
- (e) Prepaid Insurance Rs.200

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT – 4 [SESSION: 2020 – 2021]
ACCOUNTANCY
CLASS – XI [COMMERCE]

- 1 Reserve is created
 - (a) to strengthen the financial position of the business
 - (b) To equalize he rate of dividend
 - (c) To meet the unforeseen liabilities and losses
 - (d) All of the above

- 2 How will you classify the following transaction?

Rs.10,000 was paid as brokerage on issue of shares and other expenses of issue were Rs.25000

 - (a) Capital expenditure (b) Revenue Expenditure (c) Deferred Revenue Expenditure (d) none.

- 3 Cost of goods sold Rs.150000 closing stock Rs.40000 Opening stock Rs.60,000 Amount of Purchase will be (a)Rs.130,000 (b) Rs.170,000 (c) Rs. 50,000 (d) none of these

- 4 Rent paid on 1.10.2018 for one year upto 30.9.2019 was Rs.2400. Rent paid on 1.10.2019 for the year upto 30.9.2020 was Rs.3200. Rent shown in the P/L A/c for the year ended on 31.12.2019 would be (a) Rs.6,000(b)Rs.3200 (c) Rs.3000 (d) Rs.2600

- 5 Explain any three reasons for keeping incomplete records.

- 6 G.Ghosh maintains incomplete records of his business. He wants to know the result of his business on 31.03.2020 and for that following information are available.

	01.04.2019	31.03.2020
	Rs.	Rs.
Cash in hand	150,000	175,000
Bank Balance	750,000	600,000
Furniture	100,000	100,000
Stock	500,000	450,000
Creditors	350,000	400,000
Debtors	250,000	300,000

Personal expenses on G.Ghosh paid from business A/c amounted to Rs.480,000 and goods worth Rs.20,000 were withdrawn by him for personal use. He sold ornaments of his wife for Rs.350,000 and invested that amount into the business. Calculate his Profit or Loss.

- 7 On 1.4.2014 V.Ltd. purchased a machinery for Rs.250,000 and spent Rs.50000 on its installation. On 1.7.2016, 1/3rd of machinery purchased on 1.4.2014 was sold for Rs.15,000 and a new machinery at the cost of Rs.200,000 was purchased on the same date. The company has adopted the method of providing depreciation @15% pa on straight line method.

Prepare the Machinery A/c and Provision for Depreciation a/c for three years ended on 31.03.2015 to 31.03.2017 and Machinery Disposal A/c.

- 8 What do you mean by capital reserve? Mention any five sources of creating capital reserve?
- 9 Explain any four limitations of a computer system.
- 10 From the following Trial Balance, you are required to prepare Trading and Profit and Loss A/c for the year ending 31.03.2017 and Balance Sheet as at that date.

Particulars	Rs.	Particulars	Rs.
Opening Stock	25,000	Sales	700,000
Furniture	16,000	Creditors	72,500
Purchases	555,300	Bank Overdraft	50,000
Carriage inwards	4,700	Prov.for Doubtful debts	2,100
Bad Debts	1,800	Discount	500

Wages	52,000	Capital	200,000
Debtors	80,000	Purchases Returns	20,000
Sales Returns	15,000		
Rent	24,000		
Miscellaneous Expenses	3,400		
Salaries	68,000		
Cash	8,900		
Drwaings	14,000		
Buildings	160,000		
Advertising	10,000		
Interent on Bank Overdraft	<u>7,000</u>		
	<u>1045100</u>		<u>1045100</u>

Adjustments

- (a) Closing stock was valued at Rs.36,000
- (b) Private purchases amounting to Rs.5000 have been debited to purchases A/c
- (c) Make a provision for doubtful debts at 5% on Debtors
- (d) A new sign-board costing Rs.4,000 is included in advertising
- (e) Depreciate furniture and fittings by 10%.

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT-3: [2020-2021]
Computer Science
Class - XI

All questions are compulsory:

1. What do you mean by Source Code and Machine Code?
2. What are Cookies?
3. Write a program that reads a line and prints its statistics like:
Number of uppercase letters:
Number of lowercase letters:
Number of alphabets:
Number of digits:
4. What is the result of the following expressions:
`s = "987654321"`
`print(s[-1],s[-3])`
`print(s[-3:],s[:-3])`
`print(s[-100:-3],s[-100:3])`
5. What is Phishing and Pharming?
6. Mention three Active Protection and two Preventive Measures to PC Intrusions.
7. Write a program to count frequency of a given element in a list of numbers?
8. Draw the diagram of digital circuit for the function:
 $F(X,Y,Z) = (X+Y).(X'+Z).(Y+Z)$
9. What are Syntax Errors?
10. What is XNOR Gate?

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT-4: [2020-2021]
Computer Science
Class - XI

All questions are compulsory:

1. Write a program to sort a sequence using insertion sort.
2. How are Dictionaries different from Lists?
3. Can sequence operations such as slicing and concatenation be applied to dictionaries? Why?
4. What does each of the following expression evaluate to? Suppose T is the tuple containing ["There", ["are", "a", "bunch", "of"], "trees", "in", "the", "woods"]
 - (a) $T[:1]+T[1]$
 - (b) $T[2: : 2]$
5. Explain the various types of process scheduling .
6. State a verify Absorption Law in Boolean Algebra.
7. What is Cyber Safety?
8. Convert the following hexadecimal number to binary number
 - (a) $(4CD5)_{16}$
 - (b) $(87AD3)_{16}$
9. What do you mean by Eavesdropping?
10. What is the use of Floor Division operator?

BURNPUR RIVERSIDE SCHOOL, BURNPUR
 ASSIGNMENT – 3
 ECONOMICS
 CLASS – XI

1. What are secondary data? Explain the various sources of collecting secondary data.
2. Differentiate between census and sample method of data collection.
3. What is the difference between quantitative and qualitative classification of data?
4. Represent the data given below in a pie-diagram. The following table gives data of foodgrain production.

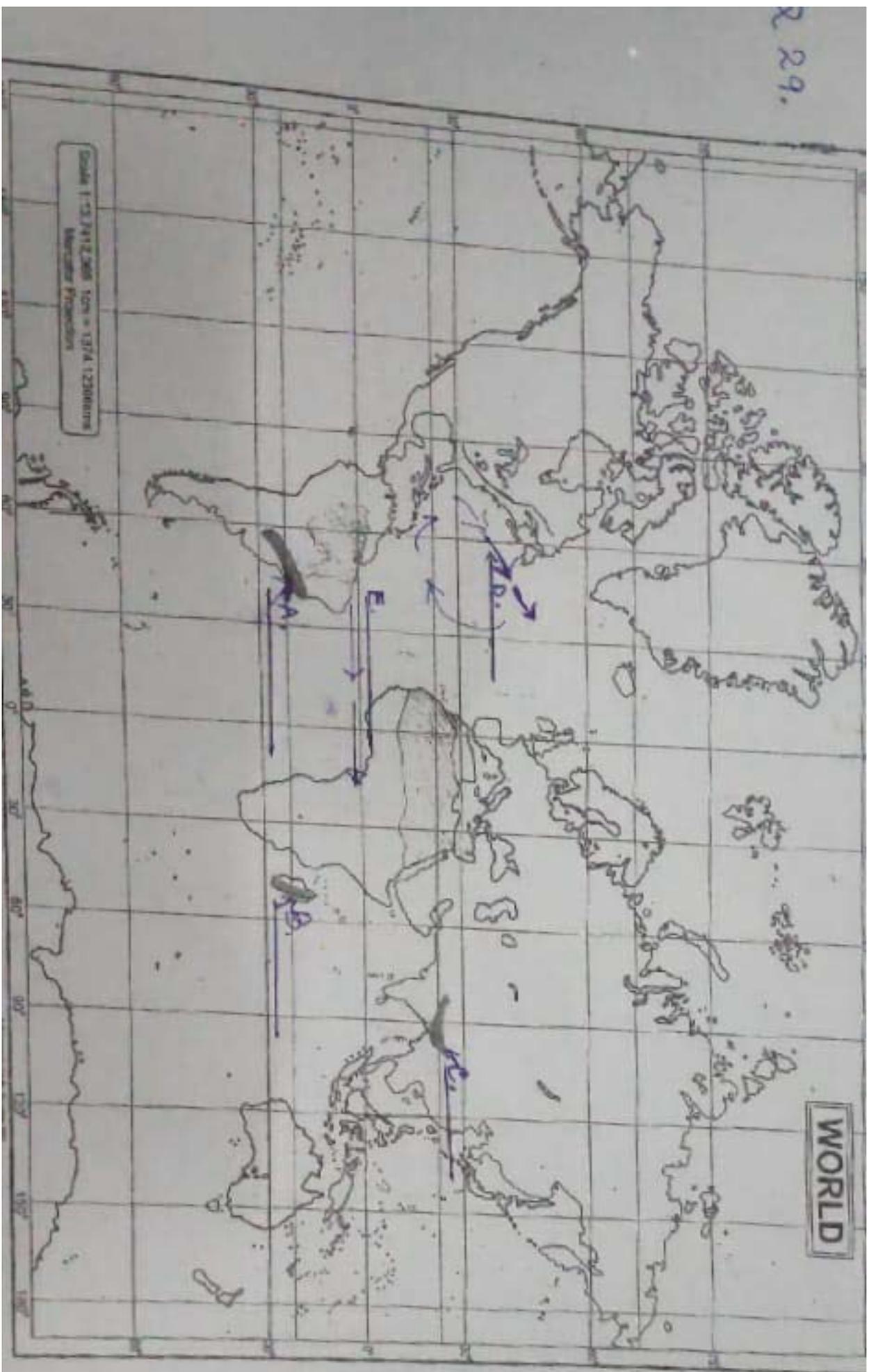
Year	Foodgrain production(in lakhs of tones)
2011-12	1900
2013-14	1800
2015-16	1600
2017-18	1400
5. Draw 'less than ogive' and 'more than ogive' from the given data. Also determine the median value.

X	0-20	20-40	40-60	60-80	80-100
f	6	5	33	14	6
6. State three reasons which give rise to an economic problem.
7. Explain the meaning of budget line. What can cause a change in it?
8. A consumer consumes good 'X'. Explain the effects of fall in the prices of related goods on the demand of 'X'. Use diagrams showing demand for good 'X' on the x- axis and its price on y- axis.
9. What is meant by variable factor and fixed factor? Give two examples of each.
10. Explain the relationship between marginal cost and average cost of a firm with the help of appropriate diagram.



229.

Scale 1:50,000,000
Magnetic Projections



WORLD

BURNPUR RIVERSIDE SCHOOL, BURNPUR
 ASSIGNMENT-4
 ECONOMICS
 CLASS – XI

1. The mean height of 25 male workers in a factory is 61 cm and the mean height of 35 female workers in the same factory is 58 cm. Find the combined mean height of 60 workers in this factory.

2. Find out median from the following distribution.

X	10	20	30	40	50	60
f	2	5	7	6	5	2

3. Calculate standard deviation and its coefficient from the following : use direct and short-cut method.

Marks	0-10	10-20	20-30	30-40	40-50
No. of students	4	8	10	6	2

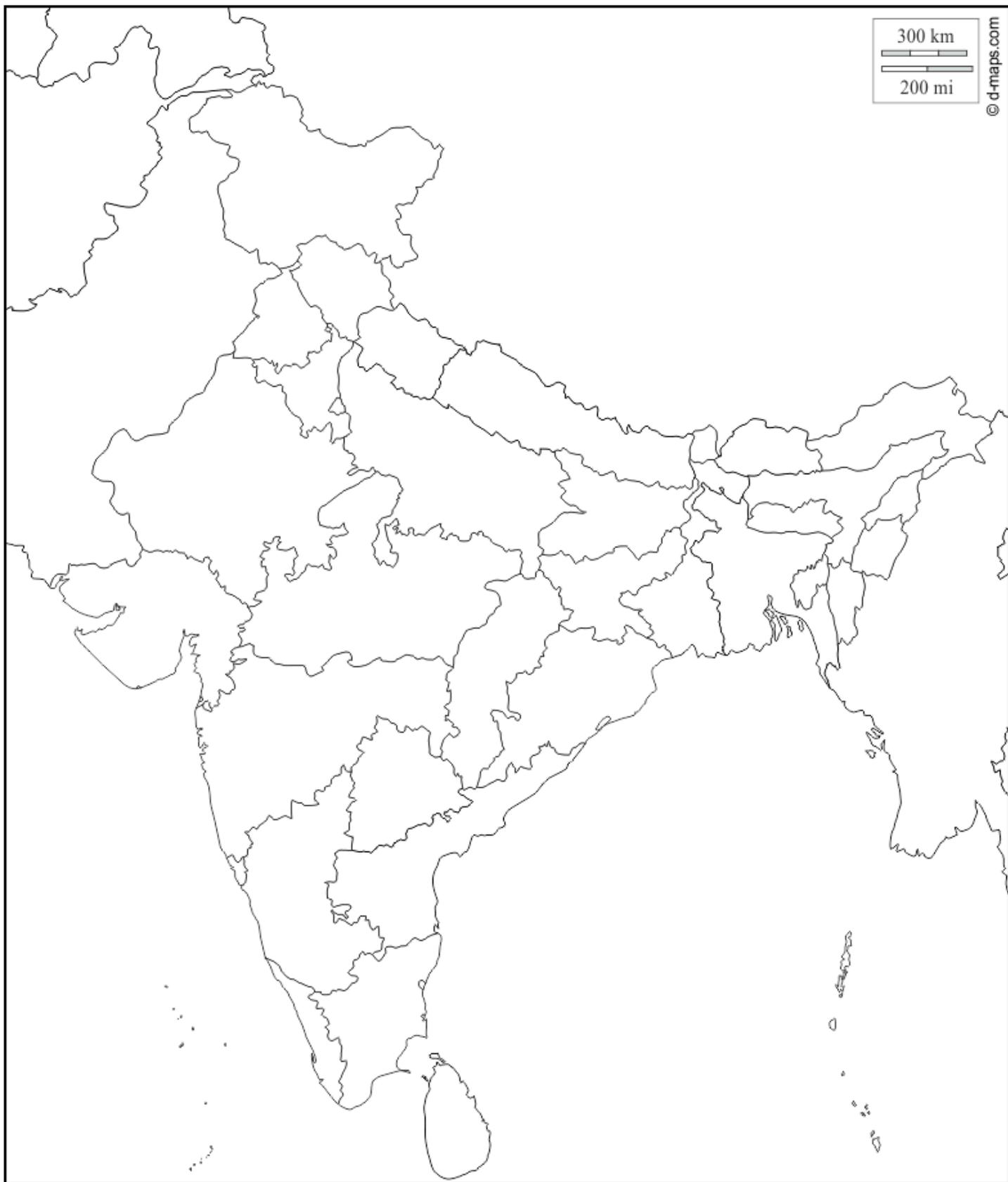
4. Explain the classification of correlation: (a) on the basis of direction of change (b). on the basis of degree of change.

5. Construct consumer price index using the following data by (i). family budget method (ii). Aggregate expenditure method:

Items	Food	Fuel	Cloth	Rent	Misc.
Weight(in %)	35	10	20	15	20
Base period price(Rs)	150	25	75	30	40
Current period price(Rs)	145	23	65	30	45

6. Explain the relationship among TR, AR and MR with the help of a diagram.

7. i. A producer sells 40 units at Rs 2 per unit. If price of the good rises to Rs 4, he sells 80 units of the good. Calculate $P.e_s$.
 ii. Explain the effect of technical progress on the supply of a good.



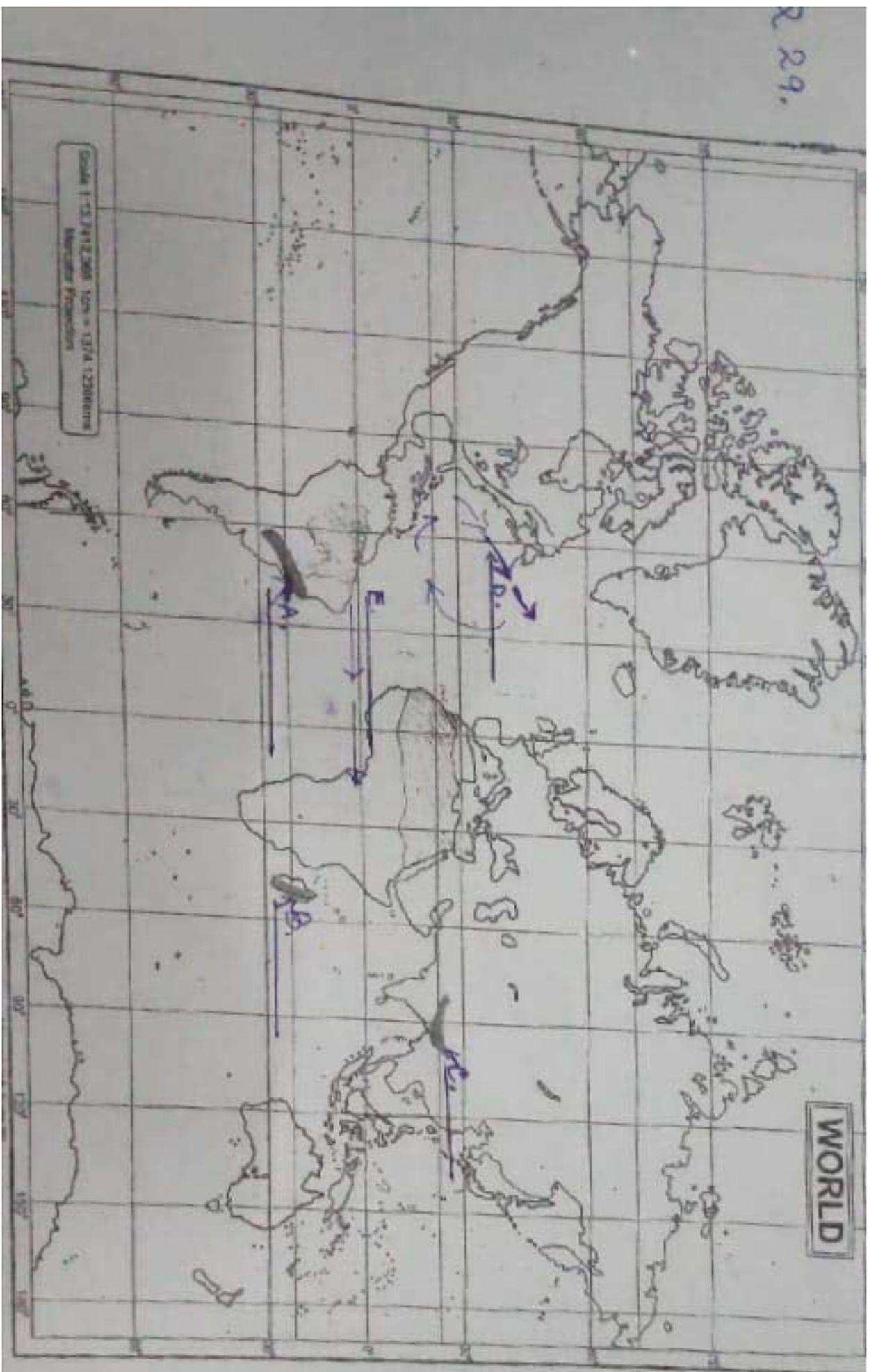
300 km

200 mi

© d-maps.com

229.

Scale 1:50,000,000
Magnetic Projections

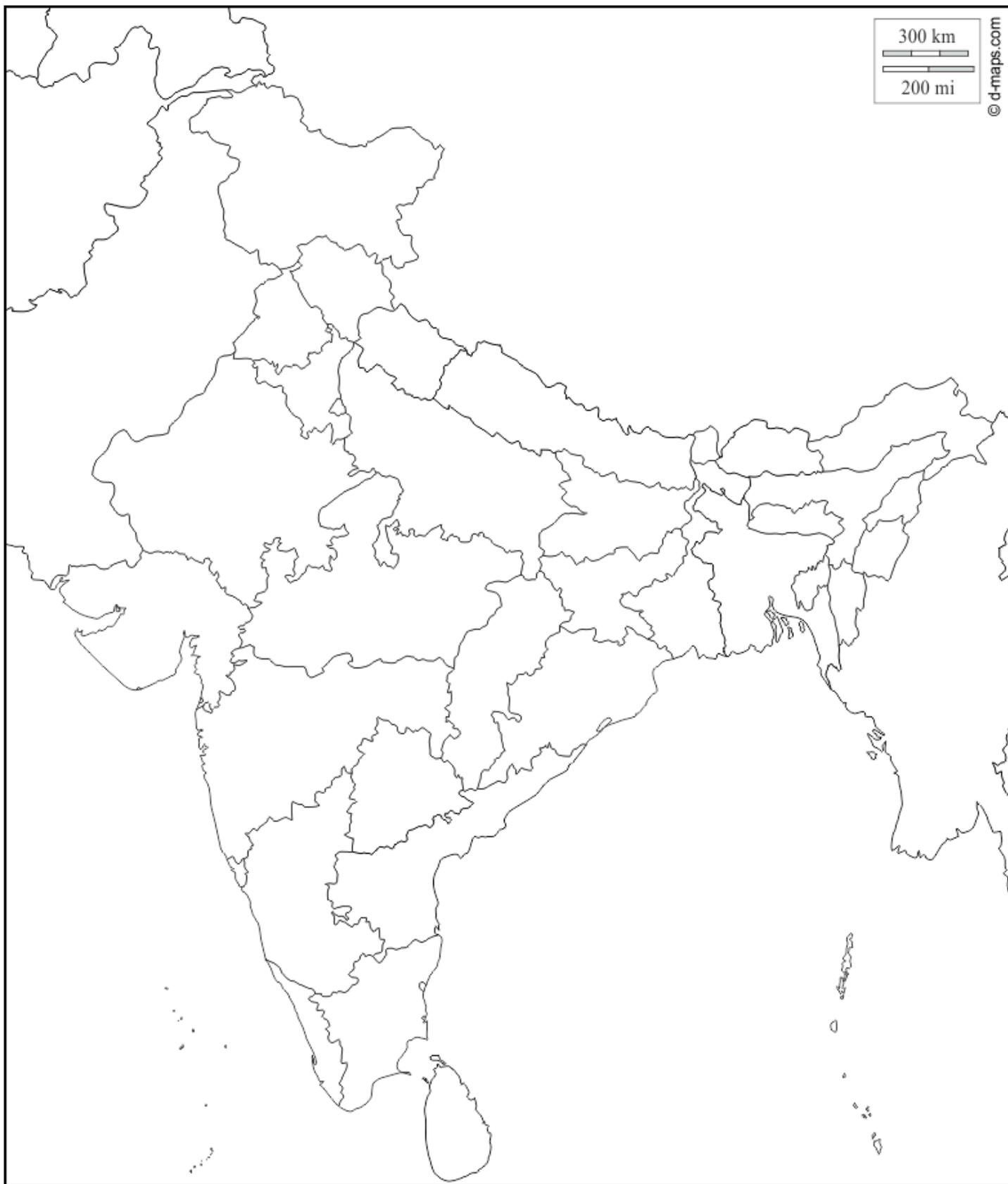


WORLD

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT-3
GEOGRAPHY
CLASS –XI

- 1 Classify soils on the basis of genesis, colour, composition and location. Explain any one of them.
- 2 What is soil conservation ?What are the different ways of soil conservation?
- 3 What are the objectives of biosphere reserve?
- 4 Write a short note on social forestry.
- 5 Distinguish between Tropical evergreen and Tropical Deciduous forest,
- 6 What steps can be taken up to conserve forest?
- 7 Describe the islands group of India.
- 8 Name three sub divisions of the peninsular plateau.
- 9 What are the implications of India having a long coastline?
- 10 On the political map of India locate and label the following.
 - a. Narmada R
 - b. Panchmari bioreserve
 - c. Nilgiri bioreserve
 - d. Manas bioreserve
 - e. Forest soil

1.



229.



Scale 1:50,000,000 from 1974 (2000m)
Mercator Projection

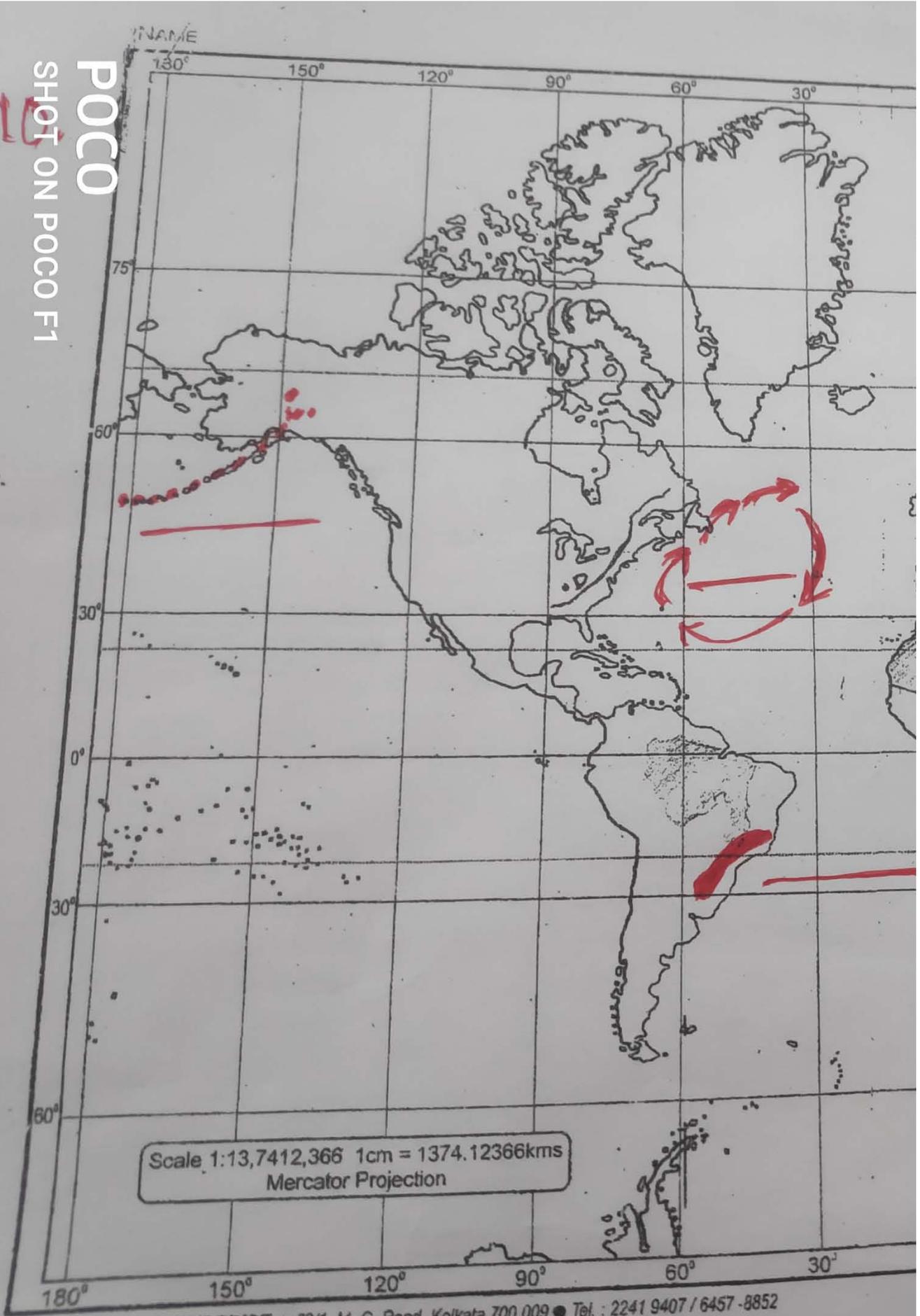
WORLD

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT-4
GEOGRAPHY
CLASS –XI

- 1 What is historical geography?
- 2 What are the different types of earthquake?
- 3 What is petrology?
- 4 What is an ecological system?
- 5 What is the difference between Endemic and exogenic process.
- 6 What are landslides ? What are the different types of landslides?
- 7 Why is troposphere most important of all layers of the atmosphere?
- 8 What are factors that cause variation on insolation?
- 9 What is genetic diversity?
- 1 On the given world map A,B,C,D,E are marked. Identify the following ocean
0 currents , hotspots etc and write their names above the line.
Gulf stream
Eastern Himalaya
Eastern Madagascar
Atlantic forest, Brazil
Ring of fire

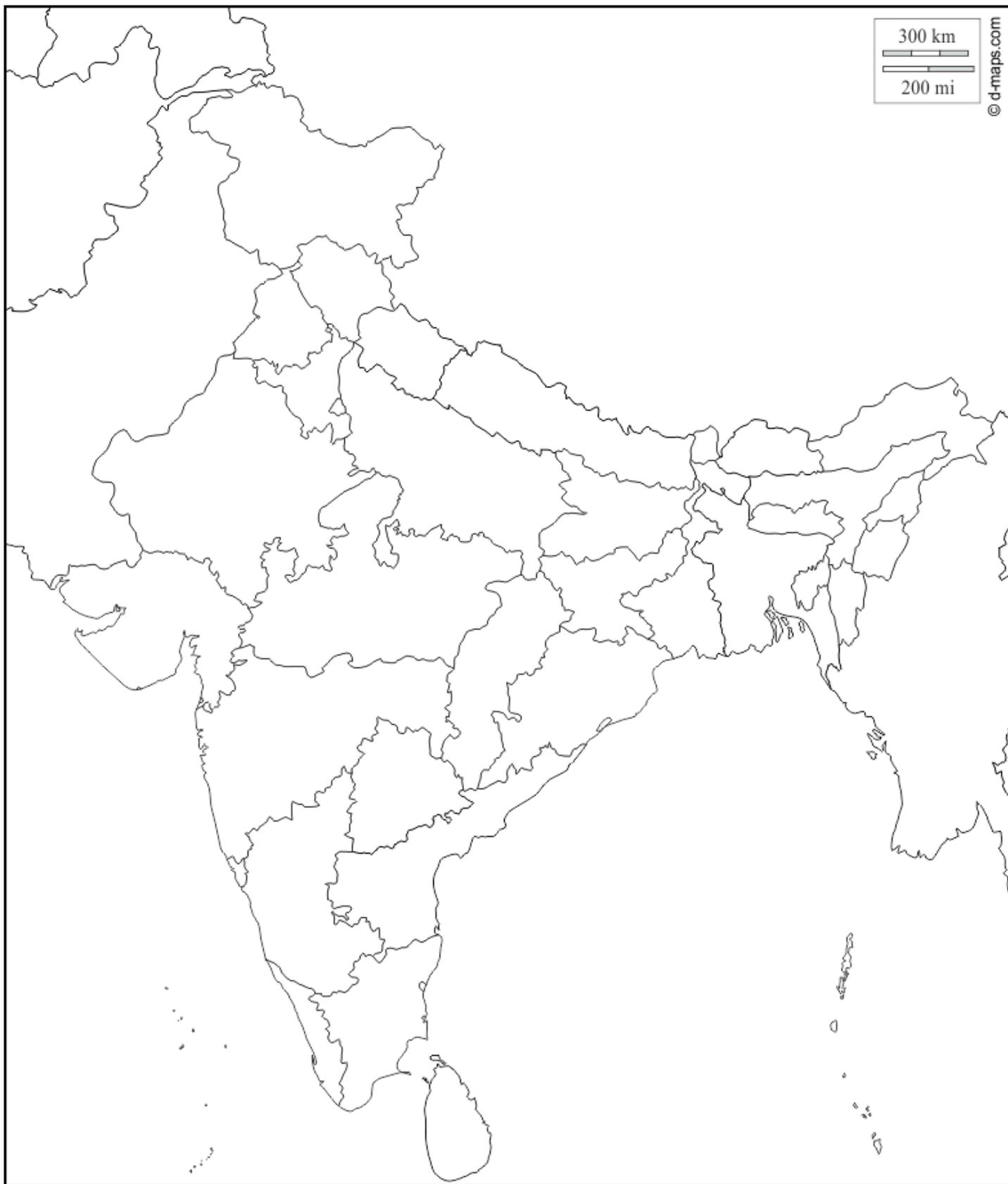
SHOT ON POCO F1

POCO



Scale 1:13,741,236,6 1cm = 1374.12366kms
Mercator Projection

1.



300 km

200 mi

© d-maps.com

229.



Scale 1:50,000,000 from 1974 (2000m)
Mercator Projection

WORLD

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT – 3 : [2020-2021]
INFORMATION TECHNOLOGY
CLASS-XI

=====

1. What is use of Find and Replace option?
 2. What is the use of the Window tab?
 3. Name the 3Ps of Public Speaking.
 4. What do you understand by Ecosystem?
 5. Write down the three steps to Personal Hygiene.
 6. Name the key aspects to be kept in mind while understanding you competitors.
 7. What do you understand by Numeric Data Formatting?
Write the five commonly used number formats in Calc.
 8. What is the use of:
(i) Notes View (ii) Outline View
 9. Write program code in Java to find whether a given number is even or odd.
 10. What are the three data models used for database management?
- =====

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT – 4 : [2020-2021]
INFORMATION TECHNOLOGY
CLASS-XI

=====

1. Write down two ways to insert table in LibreOffice Writer.
 2. Differentiate between copying and moving of text.
 3. Change the active voice into passive voice:
 - (a) Mohan wrote the letter.
 - (b) He took the ball.
 - (c) She bought a car.
 4. The transport sector of green economy aims at two things. Mention the two things.
 5. Write down the importance of Personal Hygiene.
 6. What do you understand by customer survey?
 7. Name the three types of Addressing / Referencing in OpenOffice Calc.

Also, give examples for each type.
 8. What is the use of:
 - (i) Slide Sorter View
 - (ii) Normal View
 9. Write program code in Java to find the sum and difference of two numbers.
 10. What do you understand by Data Redundancy?
- =====

BURNPUR RIVERSIDE SCHOOL, BURNPUR
ASSIGNMENT 4– [2020-2021]
PHYSICAL EDUCATION
Class – XI

1)	<ul style="list-style-type: none"> a) Motion and spirit b) Spirit in motion c) Human and motion d) Spirit with motion 	The ideal sentence of Paralympic is...	
2)	<ul style="list-style-type: none"> a) Girls only b) Boys only c) Physically challenged children d) None of these 	The main objective of Special Olympics Bharat is to organized tournaments for....	
3)	<ul style="list-style-type: none"> a) River Rafting b) Surfing c) Paragliding d) Rock climbing 	Variometer is useful in...	
4)	<ul style="list-style-type: none"> a) White blood b) Green cells c) Red blood cells d) None of these 	Blood Doping is a method to increase the count of...	
5)		What are the main objectives of Physical Education?	
6)		What are the functions of skeletal system?	
7)		Define circulatory system. What are the functions of blood?	
8)		Write a short note on career in sports Industry.	
9)		What is the role of yoga in preventing diseases?	
10)		Explain in detail the principle of stability and its uses in sports.	

BURNPUR RIVERSIDE SCHOOL, BURNPUR
 ASSIGNMENT-3[2020-2021]
 PHYSICAL EDUCATION
 CLASS-XI

1)		Sports talent search scheme was introduced by government of India in which year?	
	a)	1970-71	
	b)	1980-81	
	c)	March 1961	
	d)	None of these	
2)		The important thing in Olympics is not to win but to.....	
	a)	Loose	
	b)	Take part	
	c)	Struggle	
	d)	Overtake	
3)		How many disciplines of Sports were there in Khelo-India Event?	
	a)	14	
	b)	15	
	c)	18	
	d)	None of these	
4)		What is the tenure for the President of (IOC) International Olympic Committee?	
	a)	20 years	
	b)	16 years	
	c)	12 years	
	d)	8 years	
5)		What is Khelo-India Programmed ? Discuss in detail.	
6)		Briefly described about the Olympic Oath.	
7)		Write a short note on the origin of Paralympics Games.	
8)		What is yoga? Write its elements.	
9)		What do you understand by adventure sports?	
10)		Explain structure of the muscle with the help of a diagram.	