Priya Balakrishnan

ST. JOHN HIGH SCHOOL
FIRST SEMESTER EXAM
(2023-24)

Std- X
Sub: -Science I
Marks -40
Date –02.11.2023
Duration – 2 hr

Q1. (A)Choose the correct alternative and rewrite the statement again. (5)

1. The resistance of a wire is 100Ω.if it carries a current of 1 A for 10 seconds, the heat produced will be _____.
   a) 1000 J b) 10 J c) 0.1 J d) 10000 J
2. Gold plated ornaments is the example of _____.
   a) electroplating b) alloying c) anodizing d) galvanizing
3. The halogen which is a liquid at room temperature is_____.
   a) fluorine b) astatine c) bromine d) iodine
4. _____is one of the combustible components of LPG.
   a) Ethane b) propane c) methane d) ethene
5. Iron is _____.
   a) more reactive than zinc.
   b) more reactive than aluminium .
   c) less reactive than copper.
   d) less reactive than aluminium.

Q.1 (B) Name the following (2)

1. The SI unit of Resistance_____.
2. The most reactive nonmetal_____.

Q.1 (C) Match the columns (3)

Reactants	products	Type of chemical reaction
Fe +S	$ZnSO_4 + Cu$	Displacement
$CuSO_4 + Zn$	2CuO	Oxidation
$2Cu + O_2$	FeS	Combination

Q.2 (A) Give scientific reason (Any 2) (4)

1. Generally the ionic compounds have high melting points.
2. The colour of iodine disappears in the reaction between vegetable oil and iodine.
3. In the electrical equipment producing heat e,g,iron, electric heater, boiler, toaster etc. as Nichrome is used, not a pure metal.

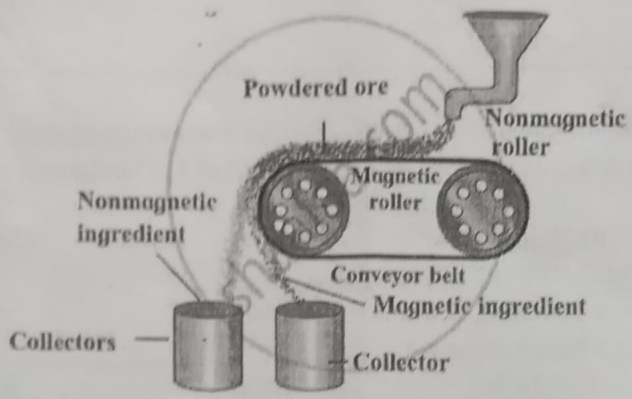
(B) Answer the following questions (Any 3) (6)

1. Differentiate between 'Alkanes and Alkenes'.
2. Which group of elements from the below given pairs do you think will have similar properties and why?
   i) Sodium and Argon
   ii) Sodium and potassium
   iii) Potassium and Neon
3. Write chemical equations for the following events.
   i) Zinc oxide is dissolved in dilute hydrochloric acid.
   ii)Pieces of Sodium metal are put in n-propyl alcohol.
4. Explain the following terms-i) Escape velocity ii) Structural isomerism

5. Write structural formulae for the following IUPAC names.
   i)2-Chlorobutane ii) propan-2-ol

Q3. Answer the following questions in brief (Any 5) **(15)**

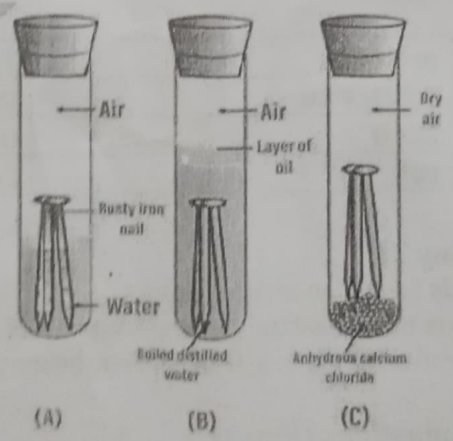
1. Observe the diagram and answer the following question



   i) How this method helps to separate the main ore and impurities?
   ii) Write one example for which above method of separation is used.
2. Explain demerits of 'Mendeleev's periodic table'.
3. Observe the given chemical reaction and answer the questions based on it,

   $2H_2S + SO_2 \longrightarrow 3S + 2H_2O$

   i)Write the names of reactants and products in the above chemical reaction?
   ii)Identify the type of chemical reaction?
   iii) Define the above type of chemical reaction.
4. Mathematically derive the formula for 'Escape Velocity.'
5. Answer the following questions based on the expriment given below,



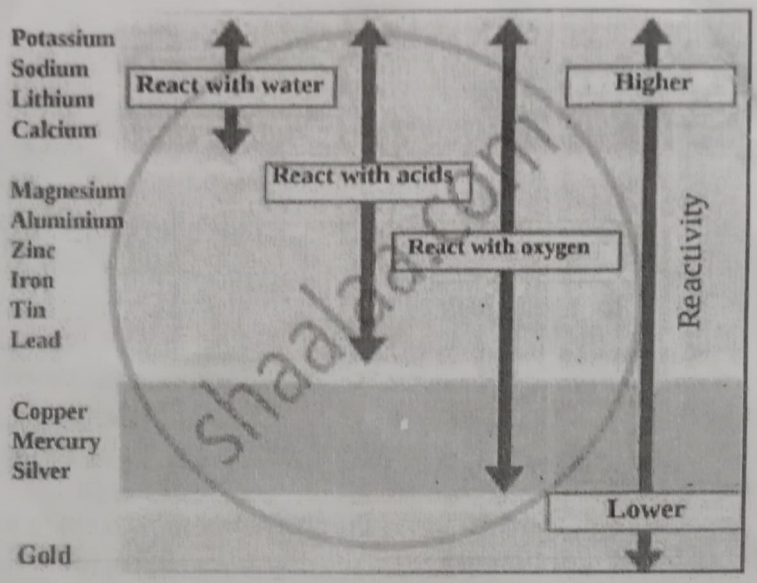
   i) Iron nail from which tube will rust first?
   ii) Iron nail from which tube will rust last'?
   iii) Explain the above observations.
6. Write a short note on 'Homologous series'.
7. The radius of Planet A is half the radius of planet B. If the mass of A is M_A, What must be the mass of B. So that the value of g on B is half that of its value on A?
8. Complete the following statements based on extraction of aluminium,

   i) Ingredients and gangue in bauxite.
   ii) Write both the chemical reactions of transformation of bauxite into aluminium by Bayer's process.

Q.4 Answer the following question (Any 1) **(5)**

1. Draw a neat, labelled diagram of 'AC generator' and explain working of it.

2.Answer the following questions based on the diagram given below,



i) Define '**Reactivity Series**'

ii) Name any two metals which react with water.

iii) Name any two moderately reactive metals.

iv) Name the most highly reactive metal and the most less reactive metal.

v)Write reaction of anyone highly reactive metal with water.

-All the best-

ST. JOHN HIGH SCHOOL
FIRST SEMESTER EXAM
SUBJECT: SCIENCE -II
2023-24

STD: X
DURATION: 2hrs

MARKS: 40
DATE: 07/11/2023

Q.1. (A) Choose the correct alternative and rewrite again the following statements:- (5)

(1) Which phase can be called a phase of reverse of prophase?

(A) Prophase (B) Metaphase (C) Anaphase (D) Telophase

(2) Which of the following belongs to Rare species?

(A) Tiger (B) Lion (C) Red Panda (D) Lion tailed monkey

(3) Calcareous spines are present on the body of ------animal.

(A) Fish (B) Snail (C) Sponge (D) Star fish

(4) The capacity (MW) of natural gas based power plant Anjanvel in Maharashtra is ---------.

(A) 2,620 (B) 1,466 (C) 2,220 (D) 1,500

(5) Which of the following protein is present in Pancreas ?

(A) Haemoglobin (B) Insulin (C) Keratin (D) Ossein

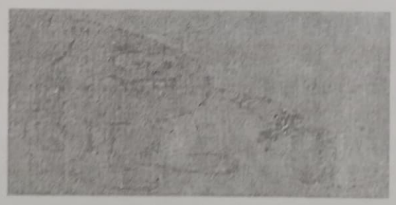
Q.1 (B) Answer the following :- (5)

(1) State true or false :-

Cancerous ulcerations occur due to higher radiations of X - Rays.

(2) Which molecules are necessary for the formation of plasma membrane ?

(3) Write the meaning of following symbol.



(4) Find the odd man out and give the reason :-

Solar energy, Nuclear energy, Tidal energy, Wind energy

(5) Write the Co-relation between:-

Annelida : Earthworm :: Platyhelminthes : -------

Q.2 (A) Give scientific reasons :- (Any 2) (4)

(1) Though tortoise lives on land as well as in water, it cannot be included in class – Amphibia.

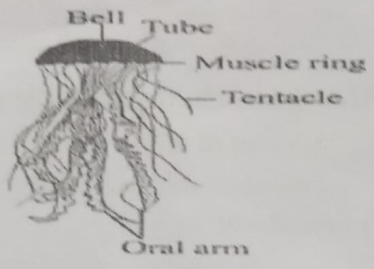
(2) The construction of turbine is different for different types of power plants.

(3) Krebs cycle is also known as citric acid cycle.

Q.2 (B) Answer the following :- (Any 3)

(1) Give Functions of ovary and uterus.

(2) Identify the animal shown in the figure and write any two characteristics of phylum to which it Belongs.



(3) What do we learn from the story of Jadav Molai Peyang?

(4) How are proteins obtained? What are the components of the proteins ?

(5) Write the difference between :- Mitosis and Meiosis

Q.3 Answer the following :- (Any 5) **(15)**

(1) Observe the figure and answer the following questions?

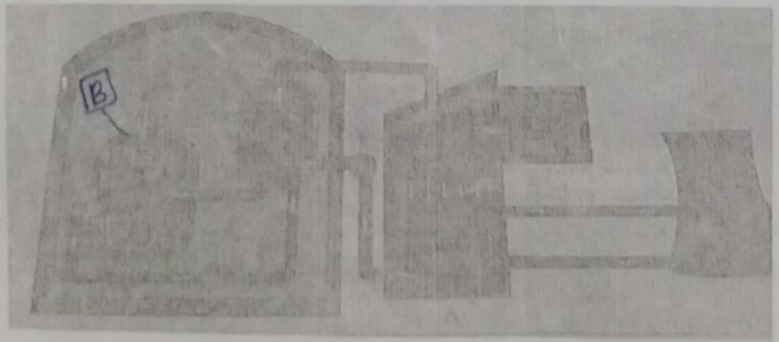
(a) Which method of reproduction is shown in the diagram?

(b) Is it an Asexual reproduction and Sexual reproduction ? Why?

(c) Give an examples of plants undergoing this method of reproduction.

(2.) Define fossil .Explain importance of fossils as proof of evolution.

(3) Observe the figure and answer the following questions:-

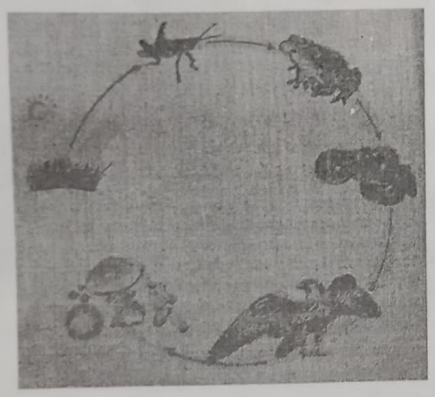


(a) Label A and B in the diagram
(b) Define nuclear fission.
(c) State the drawbacks of a nuclear power plant.

(4) Write a short note on Budding in Yeast. Explain with the help of diagram.

(5) (a) Write the name and category of each of the component shown in picture.

(b) What is necessary to convert this picture into food web ? Why ?



(6) Observe the following diagram .Write the answer of the following questions:

(a) To which phylum does the animal included in the diagram belong?

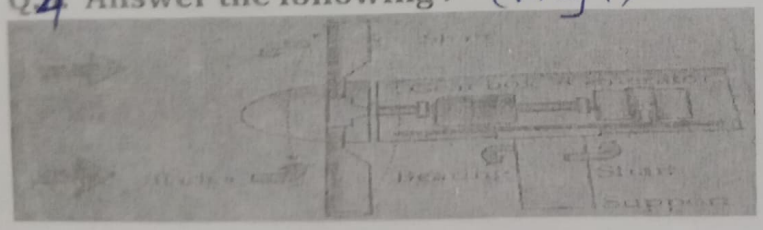
(b) What is the exoskeleton made up?

(c) What is the symmetry ?

(7) What are the different types of threatened species? Explain with help of an example.

(8) What are twins? What are their types ?

Q.4 Answer the following :- (Any 1) (5)



(1) Observe the given diagram and answer the question:-
(a) The schematic of which power plant is shown in the diagram?
(b) Write the function of gear box.
(c) What are the disadvantages of this process?
(d) Is this process is environment friendly? Explain.
(e) Draw the flow chart for transformation of energy in the power plant.

(2) Read the passage given below and answer the questions based on it.

Our atmosphere is getting hotter, more turbulent, and more unpredictable because of the " boiling and churning" effect caused by the heat – trapping greenhouse gases within the upper layers of atmosphere. With increase of carbon, methane, or other greenhouse gas levels in the atmosphere, our local weather and global climate is further agitated, heated and " boiled". The green house gases such as water vapour, carbon dioxide, methane, nitrous oxide, and ozone are causing great impact on life on earth. Due to global warming, the glaciers are melting , causing sea level rise, coastal submergence and frequent natural disasters. We have to rethink while taking the development projects and help to protect the existing life forms on the earth before its too late because climate change can exterminate us.

Questions:

(a) Why is there increased global warming?
(b) Which are main greenhouse gases that affect climate?
(c) What is the chain of impacts caused due to global warming?
(d) Why is life threatened on the earth due to global warming?
(e) What can we do to reverse effects of climate change ?

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ST. JOHN HIGH SCHOOL
FIRST SEMESTER EXAM
ALGEBRA
2023-24

STD: X
DURATION: 2 Hours

MARKS: 40
DATE: 03.11.2023

Q.1.A. Choose the correct alternative for each of the following sub questions: (4)

1. To solve $x + y = 3; 3x - 2y - 4 = 0$ by determinant method, find D.
a. 5 b. 1 c. -5 d. -1

2. What is the sum of the first five multiples of 3?
a. 45 b. 55 c. 15 d. 75

3. A die is rolled. What is the probability that the number appearing on the upper face is less than 3?
a. $\frac{1}{6}$ b. $\frac{1}{3}$ c. $\frac{1}{2}$ d. 0

4. Which of the following is a quadratic equation?
a. $6x^2 = 20 - x^3$ b. $\frac{3}{x} - 3 = 4x^2$ c. $x^2\left(\frac{1}{x} - 2\right) = \frac{7}{2}$ d. $5x + 7 = 3x$

B. Solve the following sub questions: (4)

1. Find the value of $x, if\ 4x + 3y = 23\ and\ y = 5$.

2. Write the value of $\alpha + \beta$ for quadratic equation $3x^2 - 6x - 5 = 0$

3. A die is rolled. Write the probability of the event A getting a number multiple of 2.

4. Determine the nature of roots for the quadratic equation $3x^2 - 5x + 7 = 0$

Q.2.A. Complete any two of the following activities: (4)

1. Complete the following activity to solve the simultaneous equations

$5x + 3y = 9$ --------(1)

$2x - 3y = 12$ -------(2)

Adding equation (1) and (2)

$5x + 3y = 9$ --------(1)

$+\ 2x - 3y = 12$ -------(2)

$\square = 21$

Substituting the value of x in equation (1)

$5\square + 3y = 9$

$\therefore 3y = \square$

$\therefore y = \square$

2. Complete the following activity to find which term of A.P. 2,11,20,29 is560?

Given A.P. 2,11,20,29.....

Let the nth term of this A.P. be 560

$t_n =$ ☐ ----- (Formula)

$\therefore 560 = 2+(n-1)\times 9$

$\therefore 560 = 2 +$ ☐

$\therefore 9n =$ ☐

$\therefore n =$ ☐

3. A die is rolled. Complete the following activity to find the probability of getting an odd number on upper face of the die.

The sample of Space S= { ☐ } $\therefore n(s)=6$

Event A: To get an odd number on upper face

$\therefore A =$ {☐} $\therefore n(A)=3$

$P(A) = \frac{\square}{n(s)}$ ----- formula

$\therefore p(A) = \frac{1}{\square}$

Q.2.B. Solve any 4of the following sub questions: **(8)**

1. Solve the quadratic equation: $x^2 + 8x + 15 = 0$ by factorisation method

2. Find the 11^{th} term of A.P. 12,16,20,24,.....

3. Determine the nature of the root of the quadratic equation $\sqrt{2}x^2 + 4x + 2\sqrt{2} = 0$

4. For the simultaneous equations in variables x and y.

If D x=49 and D y= -63 and D =7 the find the value of x and y.

5. Three coins are tossed simultaneously. Write the event

i) Event A: To get at least two heads

ii) Event B: To get no head

Q.3.A. Complete any one of the following activities: **(3)**

1. A two digit number is to be formed from the digit 2,3,5. Repetition of digit. Complete the following activity to find the probability that the number so formed is odd numbers

Let S be the sample space

S = { 23,25,32,☐,52,53}

$\therefore n(s) =$ ☐

Now, Condition of event A is that number formed is an odd number

$\therefore A =$ { 23,25,☐,53} $\therefore n(A) = 4$

$= \frac{\square}{n(s)}$ ------- formula

$P(A) = \frac{\square}{6}$

$P(A) = \frac{\square}{3}$

2. If $x = 5$ is a root of the quadratic equation. $kx^2 - 14x - 5 = 0$ then find the value of k by completing the following activity.

One of the root of quadratic equation

$kx^2 - 14x - 5 = 0$ is $\square$

$\therefore$ Substituting $x = \square$ in the above equation

$\therefore k - 70 - 5 = \square$

$\therefore 25k = \square$

$\therefore K = \frac{75}{\square}$

$\therefore K = \square$

Q.3.B. Solve any two of the following: **(6)**

1. Solve the following simultaneous equation graphically $x + y = 7; x - y = -1$
2. In an A.P. the sum of three consecutive terms is 27 and their product is 504. Find the terms. (Assume three consecutive terns in A.P. are a , a-d and a+d)
3. $x^2 - 4x - 3 = 0$Solve the following equation by formula method
4. A two digit number is to be formed from the digit 0,1,2,3,4. Repetition of the digit is allowed. Find the probability that the number formed is: i) Prime number ii) Multiple of 4 iii) Multiple of 11

Q.4. Solve any two of the sub questions: **(8)**

1. If 1 is added to the numerator as well as the denominator or fraction, it become $\frac{1}{2}$. If 1 is substracted from the numerator and denominator both the fraction become $\frac{1}{3}$. Find the original fraction.

2. Pratik travelled by boat 36 km downstream and back in 8 hours. If the speed of boat in still water is 12 km/hr. find the speed of water current.

3. If an A.P. the 10^{th} term is 46. The sum of 5^{th} and 7^{th} term is 52. Find the A.P.

Q.5. Solve any one of the following: **(3)**

1. For the quadratic equation in variable m, the coefficients a, b and c are such that a=2,b=4a,c=3a. Form the quadratic equation and solve it by factorisation method

2. One person borrows Rs. 4000 and agree to repay with a total interest of Rs. 500 in 10 instalments. Each instalment is less than the preceeding. Instalment by rs. 10. What would be the first and last instalment?

ST. JOHN HIGH SCHOOL
FIRST SEMESTER EXAM
SUBJECT: GEOMETRY
2023-24

STD: X
DURATION: 2hrs

MARKS: 40
DATE: 31/10/23

Q.1.(A) Choose the correct alternative answer for each of the following questions and rewrite again :- (4)

(1) $\Delta ABC \sim \Delta PQR$; if AB = 4cm, PQ= 6cm and QR = 9cm , then BC = --------.

(A) 7cm (B) 6cm (C) 8cm (D) 9cm

(2) If $\sec\theta = 25 / 7$ then find the value of $\tan\theta$

(A) 7/24 (B) 7 /25 (C) 24 /7 (D) 25/24

(3) Find the side of a square if its diagonal is $10\sqrt{2}$ cm .

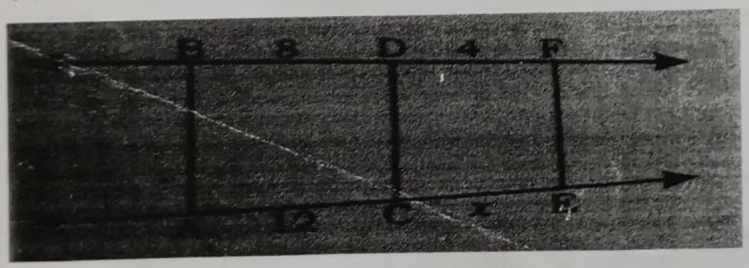
(A) 10cm (B) 20cm (C) 40cm (D) $40\sqrt{2}$ cm

(4) The sum of the x – coordinates of the vertices of the triangle is 15 and that of y – coordinates is 21. The coordinates of centroid are ----------

(A) (15, 21) (B) (5 , 7) (C) (21 ,15) (D) (7, 5)

Q.1(B) Solve the following :- (4)

(1) In the figure , AB || DC || FE then find the value of x .



(2) If point P divides the seg AB with A(2, 6) , B (-4 , 1) in the ratio 1: 2 , Find the y – coordinate of point P .

(3) If $\text{cosec}\,\theta = \sqrt{5}$, then $\cot^2\theta = ?$

(4) In ΔABC , $\angle B = 90°$, $\angle A = 30°$, AC = 14 , then find BC.

Q.2 (A) Complete and write any two of the following activities:- (4)

(1) Complete the following activity to Prove :- $\cot\theta + \tan\theta = \text{cosec}\,\theta \times \sec\theta$

Activity : L.H.S = $\cot\theta + \tan\theta$

= $\cos\theta / \sin\theta + (\square) / \cos\theta$

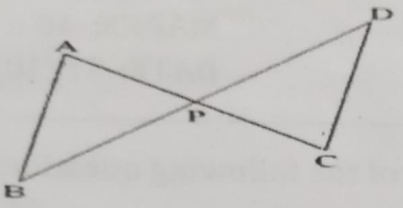
= $(\square) + \sin^2\theta / \sin\theta \times \cos\theta$

= $1 / \sin\theta \times \cos\theta$--------- $\therefore (\square)$

= $1 / \sin\theta \times 1 / \cos\theta$

$= (\square) \times \sec\theta$

(2) In the above figure, seg AC and seg BD intersect each other in point P. If AP / CP = BP / DP, then complete the following activity to prove $\Delta ABP \sim \Delta CDP$.



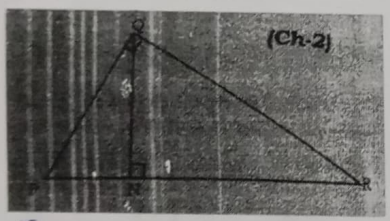
Proof ; In ΔABP and ΔCDP

$\therefore$ AP / CP = BP / DP ------- ($\square$)

$\therefore \angle APB \cong$ ($\square$) ----------vertically opposite angles

$\therefore \square \sim \Delta CDP$ ---------- ($\square$)

(3) In the given figure $\angle PQR = 90°$, seg QN $\perp$ hypotenuse PR , If PN = 9 , QN = 12, Find NR.



Activity : ΔPQR , $\angle PQR = 90°$, seg QN $\perp$ seg PR

$\therefore$ $NQ^2 = \square$ -----(By using theorem of geometric mean)

$\therefore$ $(12)^2 = \square$

$\therefore$ NR = $\square$ / 9

$\therefore$ NR= $\square$

Q.2 (B) Solve the following :- (Any 4) **(8)**

(1) $\Delta LMN \sim \Delta PQR$, 9 x A (Δ PQR) = 16 x A (Δ LMN). If QR = 20 , then find MN.

(2) Prove that $\sec\theta + \tan\theta = \cos\theta / 1 - \sin\theta$

(3) If the slope of the line joining points P { k ,0} and Q { -3 ,-2 } is 2 / 7 then find k.

(4) Find the height of an equilateral triangle having side 2a.

(5) In ΔABC , seg AP is median . If AP = 7, $AB^2 + AC^2 = 260$ then find BC.

Q.3 (A) Complete the following activity :- (Any 1) **(3)**

(1) If $\Delta ABC \sim \Delta PQR$, A (ΔABC) = 81 cm^2 , A (ΔPQR) = 121 cm^2 , BC = 6.3 cm, then complete the following activity to find QR.

Activity:- $\Delta ABC \sim \Delta PQR$ --------(given)

$\therefore$ A (ΔABC) / A (ΔPQR) = $\square$ / QR^2 --------($\square$)

$\therefore \square$ / 121 = $(6.3)^2$ / QR^2

$\therefore \square / 11 = 6.3 / QR$ ----------(Taking square root on both sides)

$\therefore QR = 6.3 \times 11 / \square$

$\therefore QR = \square cm$

(2) In A(h ,-6), B (2, 3) and C (- 6 , k) are the co- ordinates of vertices of triangle whose centroid is G (1 , 5) . complete the following activity to find the values of h and k .

Activity :

A (h, -6) = (x_1 , y_1), B (2 ,3) = (x_2 , y_2) C (-6, k) = (x_3 , y_3) , G (1 ,5)

By Centroid formula,

$1 = h + 2 + (-6) / 3$ $\qquad$ $5 = -6 + 3 + k / 3$

$\therefore 3 = h + \square$ $\qquad$ $\therefore 15 = \square + k$

$\therefore h = 3 + \square$ $\qquad$ $\therefore k = 15 + \square$

$\therefore h = \square$ $\qquad$ $\therefore k = \square$

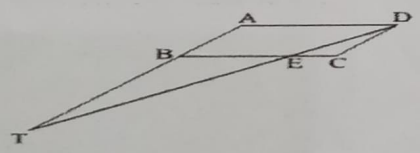
Q.3 (B) Solve the following :- (Any 2) (6)

(1) Show that points P (1,-2) , Q (5, 2) , R (3 ,-1) , S (-1, -5) are the vertices of a parallelogram.

(2) Pranali and Prasad started walking to the East and to the North respectively , from the same point and at the same speed . After 2 hours distance between them 15 V2 km. Find their speed per hour.

(3) ABCD is a parallelogram. Point E is on side BC , line DE intersects Ray AB in point T. Prove that

DE x BE = CE x TE



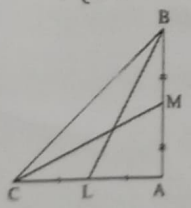
(4) A tree was broken due to storm. Its broken upper part was so inclined that its top touched the ground making an angle of 30° with the ground . The distance from the foot of the tree and the point where the top touched the ground was 10 metre. What was the height of the tree?

Q .4 Solve the following :- (Any 2) (8)

(1) Prove :- When two triangles are similar, the ratio of areas of those triangles is equal to the ratio of the squares of their corresponding sides.

(2) In Δ ABC , $\angle BAC = 90°$, seg BL and seg CM are medians of ΔABC , Prove that

$4 (BL^2 + CM^2) = 5 BC^2$.



(3) Find the lengths of the medians of a triangle whose vertices are A(-1, 1) , B (5 ,-3) and C (3,5).

Q.5 Solve the following :- (Any 1) (3)

(1) Using slope concept, determine whether D (-2 , - 3) , E (1, 0) , F (2 ,1) are collinear or not.

(2) Prove that $\sin^6\theta + \cos^6\theta = 1 - 3 \sin^2\theta . \cos^2\theta$

ST. JOHN HIGH SCHOOL
FIRST SEMESTER EXAM
2023-24
HISTORY-CIVICS

STD: X **MARKS: 40**

DURATION: 2 hour **DATE: 01/11/ 2023**

Q.1) A) Choose the correct option from the given options and complete the sentence: - **(4)**

1. People of _____ tribal community practise the art of Pingul .

   a) Warkari b) Thakar c) Kudal d) Chitpavan

2. Major Dhyan Chand is also known as the _____

   a) Master Blaster b) Wizard of Hockey c) The flying Sikh d) Haryana Hurricane.

3. Keertankar was also known as _____.

   a) Narani b) Haridas c) Meerabai d) Surdas

4. The wooden dolls made in Maharashtra are known as _____.

   a) Thaki B) Kalichandika C) Gangavati d) Champavati

B) Identify the wrong pair: - **(2)**

1. 1 Raigadala Jevha Jag Yete ---- Vasant Kanetkar
   2 Tilak Ani Agarkar ---- Vishay Bedekar
   3 Sashtang Namaskar ---- Acharya Atre
   4 Ekach Pyala ---- Annasaheb Kirloskar
2. 1 'Prabhakar ' --- Acharya P. K. Atre
   2 'Darpan' --- Balshastri Jambhekar
   3 ' Deenbandhu' --- Mumbai
   4 ' Kesari ' --- Bal Gangadhar Tilak

Q.2) A) Complete the following flow chart: - **(2)**

_____ _____

Moods or Rasas of Indian Preforming Arts

_____ _____

B) Write Short notes: - (Any 2) **(4)**

1. Tarabai Shinde
2. Marathi Theatre
3. Archives.

Q.3) A) Give reasons for the following: - Any 2 **(4)**

1. The lists of world heritage sites is announced by UNESCO.
2. Television is the most popular medium.
3. Voltaire is called the founder of modern historiography.

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B) Answer the following: - (Any 2) **(4)**

1. Which factors led to the origin of musical Marathi theatre ?
2. Write about Iconography.
3. What is Powada?

Q.4) Read the following passage and answer the following: - **(4)**

Maratha Style of Painting : -Maratha paintings is an example of art style. The style known as Maratha paintings began to develop in the latter half of the 17th Century C. E. This style consists of Coloured paintings and they occur as murals and miniatures used in manuscripts. Murals of Maratha Style can be seen in the old wadas at places like Wai, Menavali and Satara in Maharashtra. The Maratha
Style was influenced by the Rajput and European styles of painting.

Painting styles help us in understanding various things about the times in which it was developed Such as the life styles, attires, customs, etc.

Questions :-

1. When did the style known as Maratha painting begin to develop?
2. What does the Maratha style of painting consists of ?
3. Name the places where murals can be seen

Q.5) Answer the following in details: - (Any 2) **(4)**

1. What materials was used in the making of toys?
2. Explain the objectives of newspaper.
3. Write about Mughal miniature paintings.

Q.6) Choose the right option and rewrite the statement: - **(2)**

1. _____from Himachal Pradesh was the first voter of India .

a) Sukumar Sen b) Shyam Sharan Negi c) Neela Satyanarayan d) T. N. Sheshan

2 The Bharatiya Janata Party gives importance to _____ reforms.

a) social b) economic c) cultural d) educational

Q .7) A) Explain whether the following statements are true or false with reasons.: - (Any 2) **(4)**

1. The objective of political parties is to achieve economic power.
2. Creating constituencies is the responsibility of the Education Commission.
3. Democratic reforms are considered as duties of citizens

B) Write short notes (Any 1) **(2)**

1. Right to information.
2. Election Commission.

Q.8) Complete the following flow chart: - **(2)**

_____ _____

Challenges before the Election Commission

_____ _____

Q.9) Answer the following question: - (Any 1) **(2)**

1. Write the features of Good Governance.
2. Explain the meaning of Code of Conduct.

St JOHN HIGH SCHOOL
FIRST SEMESTER EXAM
2023 - 24
Sub :- GEOGRAPHY

Std :- X | Marks :- 40
Time :- 2 hrs | Date :- 08 /11/2023

Q1. A Choose the correct option and rewrite the sentence:- (4)

1. India's southernmost point is known as _____ .
   a) Lakshadweep b) kanyakumari c) Indira Point d) Port Blair
2. The highest peak of Brazil is _____.
   a) Marajo b) Praia do Cassino c) Sao Marcos d) Pico de Neblina
3. _____ types of vegetation grown in wet, marshy soil.
   a) Coniferous trees b) Grasslands c) Cactus and throny bushes d) Mangroves.
4. The population of Brazil was ____ in the year 2010.
   a) 19 crores b) 121 crores c) 90 lakhs d) 1.9 million

Q 2. Match the following :- (4)

A		B
1. Himalayan forests	-----	a) Peninsular region
2. Antelopes	-----	b) Teak
3. Anacondas	----	c) Pine
4. Deciduous	----	d) A Pantanal

Q 3. Write the short notes on :- (Any 2) (4)

1. Natural vegetation
2. Himalayas (3) The Indian Peninsula.

Q 4. A. Mark and name the following on the outline map of India with Index :(Any 4) (2)

1) North Indian Plains 2.) Orissa 3) Western Coastal Plains 4) Sunderban Delta
5) Bangaluru)

B). Differentiate between :- (Any 2) (4)

1. Himalayan rivers and Peninsular rivers.

2. Flora and Fauna.

3. India and Brazil

Q 5.) Give geographical reasons :- (Any 2) (6)

1. Vegetation is scarce in the high altitudes of Himalayas.
2. Urbanization is increasing rapidly in India. major literacy campaign
3. Brazil's population density is very less.

Q 6.) A Draw a line graph from the given table :- (6)

	Year	% of Urban Population.
1.	1961	18
2.	1971	19.5
3.	1981	23.2
4.	1991	25.7
5.	2001	37.6
6.	2011	42.8

Q 6. B Do as directed :- (6)

1. Most urbanised state of India -→
2. The type of settlement in Sao Paulo region--→
3. Odd man out :- Ganga, Yamuna, Mahanadi, Brahmaputra.
4. Another name of Thar desert. -→
5. The worlds largest Delta. --→
6. The name of 'Brazil ' comes from a local wooded tree--→

Q 7. Answer the following in details :- (Any 1) (4)

1. What is the importance of Save Girl Teach Girl in India ?
2. Write in brief about Indian Peninsula .