

THIRD MID TERM TEST - 2024

IX Standard

Time : 1.30 hrs.

SCIENCE

Marks : 50

Part - I

I. Choose the best answer

10 × 1 = 10

1. S.I unit of temperature is _____.
a) Fahrenheit b) Joule c) Celcius d) Kelvin
2. A device in which the loss of heat due to conduction, convection and radiation is minimized as _____.
a) Solar cell b) Solar cooker c) Thermometer d) Thermos flask
3. The maximum speed of vibrations which produce audible sound will be in _____.
a) Sea water b) Ground glass c) Dry air d) In vaccum
4. The sound waves travel faster _____.
a) In liquids b) In gases c) In solids d) In vaccum
5. Plastics made of PC and ABS are made of resin code _____.
a) 2 b) 5 c) 6 d) 7
6. The legal measure to prevent plastic protection Act 1988
a) Forest b) Wildlife c) Environment d) Human Rights
7. The antibiotic Pencillin is obtained from _____.
a) Plant b) Microorganism c) Animal d) Sunlight
8. The age of dead animals can be found by using an isotope of
a) Carbon b) Iodine c) Phosphorus d) Oxygen
9. The production and management of fish is called _____.
a) Pisa culture b) Sericulture c) Aqua culture d) Monoculture
10. _____ is an high milk yielding variety of cow
a) Hoistein – Freesian b) Dorset c) Sahwiel d) Red Sindhi

Part - II

II. Give short answer (Any 5)

5 × 2 = 10

11. Assertion and Reasons Type:

Mark the correct choice.

- a) Both assertion and reason are true.
- b) Assertion is true and reason is false.

Assertion : Food can be cooked faster in vessel with copper bottom.

Reason : Copper is the best conductor of heat.

12. Why do people prefer wearing white clothes during summer?
13. Through which medium sound travels faster? Iron or Water, Give reason
14. Differentiate between graphite and diamond.
15. What is Radio Carbon dating?
16. Fill ups:
 - a) Quinine drug is obtained from _____
 - b) _____ is a preservative in honey.
17. Write Yes or No:
 - a) Mycorrhiza is an algae. ✓
 - b) Milch animals are used in agriculture and transport. ✓

Part - III

III. Give Brief Answer (Any 4)

4 × 4 = 16

18. a) Define conduction
b) How does the water kept in an earthen pot remain cool?
19. Mention 4 applications of ultrasonic waves
20. Write all possible isomers of C_4H_{10} .
21. Match :

a) Antipyretic	"	Large Surface Area d
b) Corrosion Prevention	"	Iodine B1c
c) Hyperthyroidism	"	Fever e
d) Nanoparticle	"	Body building a
e) Protein	"	Electroplating b
22. List the medical importance of honey.

Part - IV

IV. Detailed Answer (Any 2)

2 × 7 = 14

23. Explain convection in daily life.
24. Name the three safer resin codes of plastics and describe their features.
25. Give an account of different types of fish ponds used for rearing fishes.

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THIRD MID TERM TEST - 2024

STANDARD - IX

Time: 1.30 hrs

SOCIAL SCIENCE

Marks:50

PART - I

I Choose the correct answer

7x1=7

- 1. Who invented the sewing machine?
 - a) Elias Howe
 - b) Ell. Whitney
 - c) Samuel Crompton
 - d) Humphrey Davy
- 2. _____ day is observed to commemorate the Hay Market Massacre.
 - a) Independence Day
 - b) Farmers Day
 - c) Labour Day
 - d) Martyrs Day
- 3. Drop, Cover, Hold is vowel for
 - a) Fire
 - b) Earthquake
 - c) Tsunami
 - d) Riot
- 4. _____ signal means STOP
 - a) Green
 - b) Yellow
 - c) White
 - d) Red
- 5. _____ became the first European power to establish trade with India.
 - a) Portuguese
 - b) French
 - c) Danes
 - d) Dutch
- 6. During 2015, _____ of illiterates were migrants from Tamil Nadu.
 - a) 7%
 - b) 175%
 - c) 23%
 - d) 9%
- 7. _____ has recorded the maximum number of emigrants.
 - a) Ramanathapuram
 - b) Coimbatore
 - c) Chennai
 - d) Vellore

PART - II

II Answer any five short answer (Q.No. 14 is compulsory)

5x2=10

- 8. What was the condition of Labourers houses during Industrial Revolution? 140
- 9. Attempt a note on Haymarket Massacre. 140
- 10. Distinguish between Colonialism and Imperialism. 152
- 11. What should you do after in Tsunami? 235
- 12. List out any three road safety rules. 282
- 13. What are the major factors responsible for female migrants in India? 317
- 14. What are the benefits of wearing helmet while driving? 282

III Answer any 5 questions (Q.No. 21 is compulsory)

5x5=25

15. Fill in the blanks.

- a) marriage is the major reason for female migration. 3/16
- b) You will make a call to 112 to see a fire break out.
- c) Karl Marx advocated scientific socialism.
- d) The first railroad line started in Germany was in the year 1935
- e) Land tax was the main source of revenue for the British.

16. What were the effects of Industrial Revolution of England on India? 1/40

17. Explain the process of colonisation in Africa. 2/35 1/53

18. What do you do if you are indoors during an earthquake? 2/22 2/35

19. Explain the factors involved in road accidents. 3/70 2/82

20. State the aims of migration policies. 1/53 3/17

21. Mark the following places on the World Map

- a) England
- b) Africa
- c) France
- d) Indonesia
- e) Portugal

PART - IV

IV Answer any one of the following.

1x8=8

22. a) Enumerate the causes for the second Industrialization in the USA. 1/40

(Or)

b) What should you do during a fire accident?

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(2)

IX Matha

18. Calculate the mean of the following distribution using Assumed Mean Method.

Class Interval	0-10	10-20	20-30	30-40	40-50
Frequency	5	7	15	28	8

19. The following data gives the number of residents in an area based on their age. Find the average age of the residents.

Age	0-10	10-20	20-30	30-40	40-50	50-60
No. of Residents	2	6	9	7	4	2

20. The following table gives the weekly expenditure of 200 families. Find the median of the weekly expenditure.

Weekly Expenditure (Rs.)	0-1000	1000-2000	2000-3000	3000-4000	4000-5000
No. of families	28	46	54	42	30

21. Find the mode of the following data:

Marks	0-10	10-20	20-30	30-40	40-50
No. of students	22	38	46	34	20

IV Answer any one of the following question.

1x8=8

22. The length, breadth and height of a hall are 25m, 15m and 5m respectively. Find the cost of renovating its floor and four walls at the rate of Rs.80 per m².

(Or)

23. Find the mode for the following data.

Marks	1-5	6-10	11-15	16-20	21-25
No. of Students	7	10	16	32	24

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THIRD MID TERM TEST - 2024

STANDARD - IX

MATHEMATICS

Time: 1.30 hrs

Marks: 50

I Choose the correct answer.

7x1=7

1. The semi - perimeter of a triangle having sides 15cm, 20cm and 25cm is
a) 60 cm b) 45 cm c) 30 cm d) 15 cm
2. The Lateral surface area of a cube of side 12cm is
a) 144 cm² b) 196 cm² c) 576 cm² d) 864 cm²
3. The total surface area of a cuboid with dimension 10cm x 6cm x 5cm is
a) 280 cm² b) 300 cm² c) 350 cm² d) 470 cm²
4. A particular observation which occurs maximum number of times in a given data is called its
a) frequency b) range c) mode d) Median
5. The algebraic sum of the deviations of a set of n values from their mean is
a) 0 b) n-1 c) n d) n+1
6. The mean of 5, 9, x, 17 and 21 is 13, then find the value of x
a) 9 b) 13 c) 17 d) 21
7. The mean of the square of first 11 natural numbers is
a) 26 b) 46 c) 48 d) 52

II Answer any five questions. Question number 14 is compulsory.

5x2=10

8. Find the area of an equilateral triangle whose perimeter is 180 cm.
9. Find the Total Surface Area and Lateral Surface Area of the cube, whose side is 5cm.
10. If the total surface area of a cube is 2400 cm² then, find its lateral surface area.
11. The length, breadth and height of a cuboid is 120 mm, 10 cm and 8 cm respectively. Find the volume of 10 such cuboids.
12. In a week, temperature of a certain place is measured during winter are as follows, 26°C, 24°C, 28°C, 31°C, 30°C, 26°C, 24°C. Find the mean temperature of the week.
13. The following are scores obtained by 11 players in a cricket match
7, 21, 45, 12, 56, 35, 25, 0, 58, 66, 29 Find the median score.
14. In a rice mill, seven labours are receiving the daily wages of Rs 500, Rs 500, Rs.600, Rs.800, Rs.800, Rs.800 and Rs.1000. Find the modal wage.

III Answer any five questions. Question number 21 is compulsory.

5x5=25

15. The lengths of sides of a triangular field are 28m, 15m and 41m. Calculate the area of the field. Find the cost of levelling the field at the rate of Rs.20 per m².
16. Find the Total Surface Area and the Lateral Surface area of a cuboid whose dimensions are length = 20 cm, breadth = 15 cm and height = 8 cm.
17. The length, breadth and depth of a pond are 20.5m, 16m and 8m respectively. Find the capacity of the pond in litres.