

COMMON SECOND MID - TERM TEST - NOV. 2019

STANDARD - VIII

Reg.No.

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Time : 2.00 hrs

SCIENCE

Marks: 60

PART - I

I. Choose the correct answer:

10×1=10

- Heat is form of _____.
a) electrical energy b) gravitational energy c) thermal energy d) None of these
- Boiling water is an example of _____.
a) radiation b) conduction c) convection d) none of the above
- When an ebonite rod is rubbed with fur, the charge acquired by the fur is _____.
a) negative b) positive c) partly positive and partly negative d) none of these
- A electric lamp glows due to _____ of current.
a) heating effect b) magnetic effect c) chemical effect d) none of the above
- Aerated water contains _____.
a) air b) oxygen c) Carbon dioxide d) nitrogen
- Which of the following is known as azote?
a) Oxygen b) Nitrogen c) Sulphur d) Carbon dioxide
- An average increase in the temperature of the atmosphere is called _____.
a) acid rain b) global warming c) El nino d) Ozone depletion
- _____ joints are immovable.
a) shoulder and arm b) Knee and joint
c) Upper jaw and skull d) Lower jaw and upper jaw
- Which one of the following categories of vertebrates are correctly numbered.
a) Cervical - 7 b) Thoracic - 10 c) Lumbar - 4 d) Sacral - 4
- Skull in humans consists of _____ bones.
a) 30 b) 35 c) 22 d) 15

PART - II

Answer any 15 of the following questions:

15×2=30

- State True or False. If false, correct the statement.
 - The applied heat energy can be realized as an increase in the average Kinetic energy of the molecules.
 - The process of converting a substance from solid to gas is called condensation.
- Read the directions given below and answer the questions:
 - If both assertion and reason are true and the reason is the correct explanation of the assertion.
 - If both assertion and reason are true, but reason is not the correct explanation of the assertion.
 - If the assertion is true, but the reason is false.
 - If the assertion is false, but the reason is true.

Assertion : A system can be converted from one state to another state.
Reason : It takes place when the temperature of the system is constant.
- Define : One Calorie.
- Fill in the blanks:
 - _____ is the only matter on the Earth that can be found naturally in all three states of matter.
 - Clothes of _____ colour absorb heat better than cloths of _____ colour.
- An iron ball requires 1000J of heat to raise its temperature by 20°C. Calculate the heat capacity of the ball.

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VIII - Scie

16. Match the following:
- | | | |
|---|---|--------------------------------------|
| a) Two similar charges | - | acquires a positive charge |
| b) Two dissimilar charges | - | prevents a circuit from over heating |
| c) When glass rod is rubbed with silk - | | repel each other |
| d) When ebonite rod is rubbed with fur | - | attract each other |
| e) Fuse | - | acquires a negative charge |
17. Give reason for the following: When a glass rod is rubbed with silk cloth both get charged.
18. What is earthing?
19. Give some uses of electroplating.
20. Draw a labeled diagram of simple electric circuit.
21. Fill in the blanks:
1. Nitrogen is _____ than air. 2. Dry ice is used as a _____.
22. What are the sources of oxygen?
23. Write about the reaction of nitrogen with non metals.
24. How do astronauts breathe when they go beyond earth's atmosphere?
25. Which of the following statement is true?
- a) Oxygen is a combustible gas. It supports the combustion
 b) Oxygen is a non-combustible gas. It supports the combustion
 c) Oxygen is a combustible gas. It do not supports the combustion.
 d) Oxygen is a non-combustible gas. It do not supports the combustion
26. State True or False. If false, correct the statement:
1. There are 12 pairs of ribs in human body. 2. Cardiac muscle is a voluntary muscle.
27. Differentiate : Movement and Locomotion.
28. What is cranium?
29. What is meant by joint in our body?
30. Draw a diagram of arm bone and label its part.

PART - III**Answer any 4 questions by choosing one question from each section:****4×5=20****SECTION - 1**

31. With the help of a neat diagram explain the working of a thermos flask.
32. Which one of the following statements about thermal conductivity is correct? Give reason.
 a) Steel > Wood > Water b) Steel > Water > Wood c) Water > Steel > Wood
 d) Water > Wood > Steel

SECTION - 2

33. Explain three ways of charge transfer.
34. a) What are the four basic parts of simple electric circuit?
 b) Identify each one as series or parallel circuit.



Battery

Lamps

**SECTION - 3**

35. Name the compounds produced when the following substances burn in oxygen.
 a) Carbon b) Sulphur c) Phosphorous d) Magnesium e) Iron f) Sodium
36. What are the effects of acid rain? How can we prevent them?

SECTION - 4

37. Name the different types of joints? Give one example for each type.
38. List any five functions of Skeleton system.