



Test / Exam Name: Science - Heat

Standard: 7th

Subject: Science

Student Name:

Section:

Roll No.:

Questions: 20 Time: 01:00 hh:mm Marks: 30

Instructions

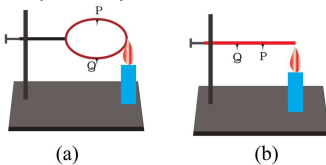
- 1. New section on new page
- 2. Rough work at the last page should be in proper manner too
- 3. Honesty is the best policy.

SECTION-A

- Q1. Which of the following is the best conductor of heat? 1 Mark
A Water vapour B Metals C Alcohol D Water
- Q2. Name the device used for measuring Temperature. 1 Mark
A Thermometer. B Ammeter. C Anemometer. D Voltmeter.
- Q3. surface absorbs more heat than any other surface under identical conditions. 1 Mark
A White & Shiny. B White & Rough. C Black & Rough. D Yellow & Shiny.
- Q4. Bodies transmitting heat via radiation: 1 Mark
A Do not require any medium. B Are liquids only.
C Make heat travels in one direction only. D Solids only.
- Q5. Air is a bad conductor of heat because: 1 Mark
A it's molecules are in continuous contact with each other. B it's molecules are not in continuous contact with each other.
C it's molecules absorb all the heat. D it's molecules are moving randomly due to Brownian motion.
- Q6. We should hold the thermometer by the bulb while holding it. True/ False. 1 Mark
- Q7. Water and air are good conductors of heat. True/ False 1 Mark
- Q8. The materials which allow heat to pass through them easily are called conductors. True/ False 1 Mark
- Q9. Marking on clinical thermometer is from 0°C to 100°C. True/ False 1 Mark
- Q10. Land breeze blows at the time of _____. 1 Mark
- Q11. Fill in the Blank. 1 Mark
In _____ generally, the heat is transferred by the process of conduction.
- Q12. Before use the mercury level of thermometer should be below _____. 1 Mark
- Q13. What you should choose in winter one thick blanket or two thin blankets joined together? And why? 1 Mark
- Q14. Which type of cloth should be preferred in the month of January? 1 Mark

SECTION-B

- Q15. State the limitation of clinical thermometer. 2 Marks
- Q16. In the arrangements A and B shown in Figure. pins P and Q are fixed to a metal loop and an iron rod with the help of wax. In which case are both the pins likely to fall at different times? Explain. 2 Marks



- Q17. How heat and temperature of substance are related to each other. 2 Marks
- Q18. What is the Relation between Celsius, Fahrenheit and Kelvin scales? 3 Marks
- Q19. In places of hot climate it is advised that the outer walls of houses be painted white. Explain. 3 Marks
- Q20. Prove with the help of an experiment that heat radiation can travel through vacuum. 4 Marks