

| SUB: SCIENCE TIME: 3 HOURS STD VII MAX.MARKS: 100 | |
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| INSTRUCTIONS: | |
| a) All questions | are compulsory. |
| | tempt only one option in case of an internal choice. |
| I. Answer the f | ollowing in a word or a sentence (Each carries |
| 1 mark). | |
| | |
| 1. Name 2 modes | [lxIO =10) |
| 2. Define calorie. | of reproduction. |
| 3. What is Rectili | |
| 4. What is an ech | near Propagation of light? o? condition |
| 5. Mention any 1 | or the formation of shadow. mbol of an |
| 6. What is the sy | lement lead? |
| 7. Name of the so | lution used in a portable fire extinguisher (in the |
| steel cylinder). | |
| 8. Name the gas | roduced during lightning (good for the plants) |
| 9. Name the defi | iency that causes the disease goitre. |
| 10. Define lumino | is bodies. |
| II. Answer the | ollowing in two or three sentences (Each |
| carries 2 marks) | [2x12 <u>=24]</u> |

- 11. List any 2 advantages of Vegetative Reproduction.
- 12. Differentiate between Boiling and Liquefaction.
- 13. What is regular reflection? State one advantage of regular reflection.
- 14. Why is thunder heard after the flash of lightning?
- 15. What is Saline water? Why is it unfit for irrigation?
- 16. Write any 2 characteristics of non-metals.
- 17. Complete the following Chemical equations and <u>name</u> the <u>product.</u>



- 18. What do you understand by the terms electric induction and induced charges?
- 19. Mention any 2 symptoms of scurvy (Vitamin C Deficiency).
- 20. State the 2 laws of reflection.
- 21. Given below is the diagram of yeast.
 - (i) Name the method of reproduction-shown.

(ii)Name another organism that reproduces by the same method.



22. List any 2 practical applications of good conductors.

III. Questions 23-34 are short answer type question carrying 3

marks each. [3x= _6)

- 23. (a) Differentiate between Binary fission and Regeneration.
 - (b) Mention the common method of reproduction in (i) Mosses(ii) Spirogyra.
- 24. Why are the telephone wires kept slightly loose when fixed in thesummer?
- 25. (a) What is the principle behind a Pinhole Camera?
 - (b) List all the characteristics of an image formed by a pinhole camera.
- 26. (a) Mention 2 materials that absorb sound.
 - (b) The Walls and ceilings of big auditoriums are covered with sound absorbing materials. Why?



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- 27. (a) What percentage of fresh water is available for human consumption on the Earth?
 - (b) State one application of high latent heat of fusion of ice in our daily life.
- 28. <u>Complete</u> and <u>balance</u> the chemical equations.
 - (i) 1120 electric current----+ •••••••••••••••••••ii) Cu + 02 -----
 - (iii) Mg + 02 -----
- 29.(a)Name the acid used in purification of gold.
 - (b) Write any 2 properties of salts.
- 30. (a) What is a G.L.E?
 - (b) Name the type of charge produced on an ebonite rod, whenrubbed with fur?
- 31. (a) Name 2 international health organizations.
 - (b) Mention any 2 characteristics of good health. (c) What is malnutrition?
- 32. Give any 3 differences between insect pollinated flowers and windpollinated flowers?
- 33. (a)Explain Sea Breeze.

OR

- (b) An iron ball of mass 2 Kg is heated, such that its temperature israised from 10°C to 50°C. If the specific heat capacity for iron is 470 J/Kg°C. Calculate the quantity of heat energy supplied to iron.
- 34.(a) Differentiate between concave and convex mirror. (b) State 2 uses of plane mirrors.
- IV. Questions 35-40 carries 5 Marks each [5x6-30]
- 35. (a) Draw a neat labeled diagram showing the process of Fertilization in flower.
 - (b) Write down the events taking place during fertilization.

OR

- (c) With the help of a neat labeled diagram <u>explain</u> multiple fission In Amoeba.
- 36. (a) Name the only liquid where conduction takes place.(transmission of heat by conduction).



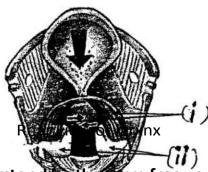
(b) With the help of a labeled diagram, Explain an experiment to show transmission of heat by convection in liquids. (Diagram and explanation).







- 37. (a) What is an eclipse?
 - (b) What precaution will you take for viewing any kind of Solar eclipse?
 - (c) Draw a neat labeled ray diagram of the image formed by concave mirror when an object is placed at centre of curvature
- 38. (a) Identify and label.



- (b) What do you understand with the firm frequency of vibration?
- (c)" Sound cannottravelth gran cuum". Explain with the help of an experiment (Diagram not needed).
- 39. (a) What is Water Cycle? Explain.
 - (b) State 2 methods to minimize agricultural and industrial pollution.
- 40. (a) Write the formula and atomicity of elements Sulphur and Neon.
 - (b) What is Brownian movement?
 - (c) Write 2 differences between Mixtures and Compounds.
 - (d) Write (i) Chemical formula and (ii) one use of Washing soda.