

A

DEPARTMENT OF SCHOOL EDUCATION THANJAVUR DISTRICT

Slip test 3

Class – 10

SCIENCE

Total marks-50

Time-1.30 Hrs

I Answer any 10 questions.

10x2=20

1. Define one calorie.
2. State Boyle's law.
3. State Charles law.
4. What is mean by binary solution.
5. Give an example each i) gas in liquid ii) solid in liquid iii) solid in solid iv) gas in gas.
6. Define hydrated salt.
7. What is bolting? How can it be induced artificially?
8. What are synthetic auxins? Give examples.
9. Why thyroid hormones are referred as personality hormone?
10. Define triple fusion.
11. What is colostrum? How is milk production hormonally regulated?
12. How does developing embryo gets its nourishment inside the mother's body?

II answer any four questions.

4x4=16

13. Distinguish between linear, arial and superficial expansion.
14. Distinguish between ideal gas and real gas.
15. Write notes on various factors affecting solubility.
16. Write notes on i) saturated solution ii) unsaturated solution.
17. Write the physiological effects of gibberellins.
18. With a neat labelled diagram describe the parts of a typical angiospermic ovule.

III Answer all the questions.

7x2=14

19. Define Avogadro number. Derive the ideal gas equation.(or) a) What happens when $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ is heated? b) In what way hygroscopic substances differ from deliquescent substances.
- 20.a) what is the role of parathormone? b) where are estrogens produced? What is the role of estrogens in the human body? (or) What are there phases of menstrual cycle? Indicate the changes in the ovary and uterus.