

SCHOOL EDUCATION DEPARTMENT, THANJAVUR DISTRICT**SPECIAL SLIP TEST .**

CLASS:10

SUBJECT: SCIENCE

TOTAL MARK:50

TIME:1.30HOUR

I.ANSWER BRIEFLY (ANSWER ANY 10 ONLY) 10X2=20

- 1.State Newton's second law.
- 2.If a 5 N and a 10 N forces are acting opposite to one another. Find the resultant force and the direction of action of the resultant force .
- 3.Differentiate mass and weight.
- 4.Define: Atom & Atomicity .
- 5.Find the percentage of nitrogen in ammonia.
- 6.Define: Relative atomic mass .
7. Name the three basic tissues system in flowering plants.
- 8.What is photosynthesis? Write the reaction for photosynthesis.
- 9.Draw and label the structure of oxysomes.
- 10.Write the dental formula of rabbit.
- 11.How is diastema formed in rabbit?
- 12.How does leech suck blood from the host?

II.ANSWER IN DETAIL (ANY 4 ONLY)**4X4=16**

- 13.Describe rocket propulsion.
- 14.Give the applications of universal law gravitation.
- 15.Give the salient features of "Modern atomic theory".
- 16.State the applications of Avogadro's law.
- 17.Differentiate the following

- a) Monocot root and Dicot root
- b) Aerobic and Anaerobic respiration

- 18.List out the parasitic adaptations in leech.

II.ANSWER IN DETAIL (ANY 2 ONLY)**2X7=14**

- 19.What are the types of inertia? Give an example for each type .(OR)
Derive the relationship between Relative molecular mass and Vapour density.
20. How does the light dependent reaction differ from the light independent reaction? What are the end product and reactants in each? Where does each reaction occur within the chloroplast? (OR)
Explain the male reproductive system of rabbit with a labelled diagram.