| Г | FIRST DE | FIRST REVISION TEST | | 10 - STD | |
|------|---|--|------------------------|------------------|----------------------|
| ŀ | | www.Padasalai.Net. SCIENCE | www.Tr | 75 | Time 3.00 Hrs. |
| L | - U - Com | act answer. | | ١. | $12 \times 1 = 12$ |
| | Choose the Correct answer. Magnification of a convex lens is | | 3 _N 2' | | |
| 1. | Positive | b) Negative | e) either Posi | tive or Negative | d) Zero |
| 2. | | nce is | | | |
| | a) mho | b) Joule | e) Ohm | d) Ohm me | |
| 3. | Which of the follo | wing have inert gas | () | | shell |
| | a) He | b) Ne | c) Ar | d) Kr | |
| 4. | aprons ar | e used to protect us | from gamma r | radiations. | |
| | a) Lead oxide | b) Iron | o) Lead | d) Alumini | ium |
| 5. | TFM in soaps rep | resents conter | | | |
| | a) mineral | b) vitamin | fatty acid | d) carbohy | droate |
| 6. | Cancer is derived | from latin word | | | |
| | a) Scorpion | b) Crab | c) Mosquito | d) Protozo | B |
| 7. | Root hairs are | • | | | • |
| | a) cortical cell | b) projection of e | epidermal cell | | |
| | c) unicellular | d) both b and c | 6 | 1.0 | • |
| 8. | is a nice var | riety produced by m | utation breedi | ing that grows v | well in saline soil. |
| | a) Sharbati sonora b) Atomita - 2 c) Pursa Gaurav d) Himgiri | | | | |
| 9. | According to mendel alleles have the following character. | | | | |
| | a) Pair of genes | | b) Respons | ible for charact | er |
| | c) Production of | gametes | d) Recessiv | e factors | |
| 10 | The plant which | propagates with th | e help of its le | aves is | 4 |
| . O. | a) onion | b) Neem | c) Ginger | A) Bryon | hyllum |
| | Global warming | 11 13 15 15 15 15 15 15 15 15 15 15 15 15 15 | | , | |
| LI. | | | b) melting of glaciers | | |
| | a) raise in level of oceans | | all of these | | |
| | c) sinking of islan | ids | | | |
| 12. | Where does alcho | l effect immediate | ly arter drink | mg: | |
| | a) Eyes | b) Auditory reg | iono Liver | | ral nervous system |
| Π. | Answer any 7 of | the following. | 2.No. 22 is co | ompulsory | 7 x 2 = |
| | Differentiate ma | | 4 | • | |
| _ | State Boyle's law | · · · · · · · · · · · · · · · · · · · | | | |
| | | plications of Avogo | adro's hypoth | esis. | |
| | | | | | |
| | What is amalgam | | Aborio | | |
| | | reaction of photos | | • | |
| 8.] | Differentiate bety | ween syssole and d | liastole. | | |

Draw and label the structure of Thyroid gland.

10th Std. - SCIENCE - PAGE 1

20. Match the following:

- a) Bio gaswww.Pada daiwaste energywww.Trb Tnpsc.com of 2.
- b) CFL bulbs
- co,
- c) Wind
- Non-Renewable energy
- d) Natural gas

- energy saving

- The degenerated wing of a kiwi is an acquired character. Why is it an acquired character?
- 22. A source producing a sound of frequency 500Hz. is moving towards a static listener with a velocity of 30ms¹. The speed of the sound is 330 ms¹. What will be the frequency heard by listener?

III. Answer any 7 of the following. Q.No. 32 is compulsory

 $7 \times 4 = 28$

- 28. Describe rocket propulsion.
- 24. Explain the construction and working of a compound microscope.
- 25. Explain about domestic electric circuits.
- 26. Derive the relationship between Relative molecular mass and vapour density.
- 27. Write notes on various factors affecting solubility.
- 28. Write a short note on mesophyll.
- 29. Why did mendel select pea plant for his experiments?
- 30. Discuss the importance of biotechnology in the field of medicine.
- 3k How is a cancer cell differ from a normal cell?
- 32. An organic compound 'A' is widely used as a preservative and has the molecular formula C₁H₂O₂. This compound reacts with ethanol to form a sweet smelling compound 'B'.
 - i) Identify the compound 'A'
 - . ii) Write the chemical equation for its reaction with ethanol to form compound 'B'.
 - II. Answer all Questions

 $3 \times 7 = 21$

33. a) Deduce the equation of a force using Newton's second law of motion.

(OR)

- b) i) State Soddy and Fajan's displacement law.
 - ii) Differentiate Nuclear fission and Nuclear fusion.
 - iii) Cell phone towers should be placed far away from the residential area-why?
- 34. a) How does pH play an important role in everyday life?

(OR)

- b) How is ethanol manufactured from sugarcane?
- 35. a) i) With a neat labelled diagram, Describe the parts of a typical angiospermic ovule.
 - ii) What will you do to prevent leaffall and fruit drop in plants?

(OR)

- i) What precautions can be taken for preventing heart disease?
- ii) State the applicatons of DNA fingerprinting technique.

10th Std. - SCIENCE - PAGE 2