28i2T www.Padasalai.Net www.TrbTnpsc.com Tenkasi District Common Annual Examination - 2025 Standard 8 Time: 2.30 Hours Marks: 100 SCIENCE I. Choose the correct answer. 12x1=12 The S.I. unit of temperature is a) celsius d) ampere b) Farenheitc) Kelvin 2) If the focal length of a spherical mirror is 10cm. What is the value of its radius of curvature a) 10 cm d) 15 cm c) 20 cm b) 5 cm 3) The process of converting a liquid into a solid is called d) deposition a) Sublimation b) Condensation c) freezing 4) The range of audible frequency for the humar ear is

a) 2 Hz to 2000 Hz

b) 20 Hz to 2000 Hz c) 20 Hz to 20000 Hz d) 200 Hz to 20000 Hz 5) The pigment responsible for browning of apples is a) hydrated iron (II) Oxide b) Melanin c) Starch d) Ozone In water, hydrogen and oxygen are combined in the ratio of by mass d) 1 : 3 a) 1 : 8 b) 8 : 1 c) 2 : 3
7) Red and sting contains a) acetic acid b) Sulphuric acid c) Oxalic acid d) formic acid is a prokaryotic microorganisms. d) Bacteria b) Algae c) fungi 9) Plants that prevent soil erosion are b) fungi a) algae c) bryophytes d) Pteridophytes 10) External ear (Pinna) is supported by b) cartilage c) tendon d) capsule 11) The process of placing seeds in the soil is called as a) Ploughing b) sowing c) crop production d) crop rotation 12) The function returns the smallest value in a set of values d) max c) min a) average b) sum 5x1=5 IL Fill in the blanks. 13) Hydraulic lift works under the principle of 14) The boiling point of water is 15)is known as marsh gas 16) is the structural and functional unit of living organisms 17) Iron deficiency leads to III. State true or Faise. If false correct the statement 5x1=5 18) Water can conduct electricity 19) PSLV and GSLV are India's popular satellites 20) Tungsten is used as semiconductor 21) Aerated water contains carbondioxide 22) March 3 is observed as World Wild life Day 5x1=5 IV. Match the following: Magnetic line 23) a) Magnetite b) A tiny pivoted magnet - Natural magnet Compass box c) Cobalt Ferromagnetic material d) Closed curves Diamagnetic material e) Bismuth

29) What is global warming?

30) State the law of conservation of Mass 31) Name the places in Tamilnadu harnessing wind energy from wind mills

Write the names of any three protozoans

 Differentiate tendons and ligaments 34) What is fertilization?

35) An ironball requires 1000J of heat of raise its temperature by 20°C. Calculate the heat capactly of the ball

8x4=32

3x7=21

1. Answer any 8 of the following :

36) State Pascal's law and mention its application 37) a) Name three types of heat transfer, b) Define one calorie

38) Give reason for the following a) When a glass rod is rubbed with silk cloth both get charged

b) When a comb is rubbed with dry hair it attracts small bits of paper 39) List any four uses of magnets

40) Mention any four compounds and their uses

41) Balance the following equation i) Na + $O_2 \rightarrow Na_2O$

ii) $Ca + N_2 \rightarrow Ca_3 N_2$

iii) $N_2 + H_2 \rightarrow NH_3$ iv) $CaCO_3 + HCI \rightarrow CaCl_2 + CO_2 + H_2O$

42) What is neutralization reaction 43) Write any four characters of pteridophytes

44) Differentiate between inhalation and exhalation

45) Explain the agricultural practices

VII. Answer in Detail : 46) a) List out the base quantities with the units

b) What are the achievements of Chandrayaan - 1?

47) a) What are the effects of acid rain? How can we prevent them?

48) a) What can you suggest to your class mates to keep clean and healthy?

b) What is deforestation? Explain the causes and effects of deforestation?

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