

Tsi8S

Tenkasi District

Common Half Yearly Examination - 2024



20-12-24

Standard 8SCIENCE

Time: 2.30 Hours

Marks: 100

Part - I

**I. Choose the correct answer.****12x1=12**

- 1) Luminous intensity is the intensity of .....  
a) Laser light      b) UV light      c) visible light      d) IR light
- 2) The value of the atmospheric pressure at sea level is  
a) 76 cm of mercury column      b) 760 cm of mercury column  
c) 176 cm of mercury column      d) 7.6 cm of mercury column
- 3) If the image and object distance is same, then the object is placed at  
a) infinity      b) at F      c) between f and p      d) at c
- 4) If you apply equal amount of heat to a solid, liquid and gas individually, which of the following will have more expansion?  
a) solid      b) Liquid      c) Gas      d) All of them
- 5) The non-metal which conducts electric current is  
a) Carbon      b) oxygen      c) aluminium      d) sulphur
- 6) Which of the following is known as azote?  
a) oxygen      b) nitrogen      c) sulphur      d) carbon dioxide
- 7) In water, hydrogen and oxygen are combined in the ratio of ..... by mass  
a) 1 : 8      b) 8 : 1      c) 2 : 3      d) 1 : 3
- 8) We brush our teeth with tooth paste because it is ..... in nature  
a) basic      b) acidic      c) Both a and b      d) None of these
- 9) ..... shows both living and non living characteristics  
a) Protozoa      b) Virus      c) Bacteria      d) Fungi
- 10) Maintenance of constant internal environment of the body is known as .....  
a) homeostasis      b) homeophytes      c) homeokinesis      d) homeophilics
- 11) Which one of the following categories of vertebrate are correctly numbered?  
a) cervical - 7      b) Thoracic - 10      c) Lumbar - 4      d) Sacral - 4
- 12) During menstruation, the progesterone level is .....  
a) decreased      b) increased      c) ceased      d) normal

Part - II

**II. Answer any 12 questions.****12x2=24**

- 13) What are the difference between plane angle and solid angle?
- 14) Which has greater viscosity, oil or honey? Why?
- 15) Give any two application of a concave and convex mirror
- 16) *State True or False. If false, correct the statement*  
i) The dimension of a substance are increased if the temperature of the substance is decreased  
ii) In a thermos flask, the silvered walls reflect and radiate the heat outside
- 17) What is an ultrasonic sound?
- 18) i) Why are bells made of metals?  
ii) What is ductility?
- 19) What is dry ice? What are its uses
- 20) Write any four physical properties of acids
- 21) What is earthing?
- 22) How disease causing microorganisms enter into human beings?

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- 23) Write any two economic importance of Fungi  
 24) Define - metabolism  
 25) i) The place where two bones meet is termed as .....  
 ii) ..... muscle make pupil of eyes wider  
 26) What do you mean by secondary sex characteristics?  
 27) What is adolescence?

## Part - III

SIVKUMAR, M,  
 Sri Ram Nataraj C HSS  
 Vallam-627809, 9x4=36  
 Tenkasi Dist

## III. Answer any 9 questions.

- 28) Match the following
- |                  |   |  |
|------------------|---|--|
| i) Temperature   | - | Closeness to the actual value                        |
| ii) Plane angle  | - | Measure of hotness or coldness                       |
| iii) Solid angle | - | Angle formed by the intersection of two planes       |
| iv) Accuracy     | - | Angle formed by intersection of three or more planes |
- 29) What is reflection? Write a short note on regular and irregular reflection  
 30) Explain three ways of charge transfer  
 31) What Steps should be taken to reduce the effect of noise pollution?  
 32) Mention any four compounds and their use  
 33) a) What is pollution?  
 b) What is tarnishing? Give an example  
 34) What are the effects of acid rain? How can we prevent them?  
 35) What is permanent hardness of water? How can it be removed?  
 36) Differentiate between inhalation and exhalation  
 37) What are the functions of skeleton in human body?  
 38) Write the differences between gymnosperm and angiosperm

## Part - IV

## IV. Answer all the questions.

4x7=28

- 39) a) Describe an experiment to prove that the pressure in a liquid increase with depth  
 (OR)  
 b) Explain the working of thermos flask with suitable diagram  
 40) a) Explain how food items are spoiled by chemical reaction?  
 (OR)  
 b) Explain the neutralization reaction in our daily life.  
 41) a) Write a short note on bacteria and its structure  
 (OR)  
 b) Write the names of medicinal plant and explain their uses  
 42) a) Name the different types of joints? Give one examples for each types  
 (OR)  
 b) Explain the nutritional needs of adolescence in brief

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