

ANNUAL EXAMINATION - 2025

ASS

8 - STD**SCIENCE**

Time : 2.30 Hrs

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Marks : 100

I Choose the correct answer.

15 X 1 = 15

- Which one the following systems of unit is the British system of unit?
a) CGS b) MKS c) FPS d) SI
- Which of the following liquids has more viscosity?
a) Grease b) Water c) Coconut oil d) Ghee
- The process of converting liquid into solid is called
a) sublimation b) condensation c) freezing d) deposition
- Which of the following a simple circuit must have?
a) Energy source, Battery, Load b) Energy source, Wire, Load
c) Energy source, Wire, Switch d) Battery, Wire, Switch
- The amplitude of the sound wave decides its
a) speed b) pitch c) loudness d) frequency
- A magnet attracts
a) wooden materials b) any metal c) copper d) iron and steel
- is called as Red planet.
a) Mercury b) Venus c) Earth d) Mass
- Brine is a concentrated solution of
a) Sodium Sulphate b) Sodium Chloride
c) Calcium Chloride d) Sodium Bromide
- Aerated water contains.
a) Air b) Oxygen c) Carbon di oxide d) Nitrogen
- Water changes to ice at
a) 0°C b) 100°C c) 102°C d) 98°C
- 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
- Based on shape, the bacteria are classified into types.
a) two b) three c) four d) five
- Why do underwater divers wear fin - live flippers on their feet?
a) To swim easily in water b) To look like a fish
c) To walk on water surface d) To walk over the bottom of the sea (sea bed)
- The process placing seeds in the soil is called as
a) ploughing b) sowing c) crop production d) crop rotation
- The Red Data book gives a list of
a) endemic species b) extinct species c) natural species d) none of these

II Fill in the blanks.

10 X 1 = 10

- The mirror used by the ophthalmologist to examine the eye is
- is a device that protects building from lightning strike.
- High frequency sound that cannot be heard by you are called
- A magnet has magnetic poles.
- is used as semiconductor.
- Water is colourless, odourless and
- Wasp sting contains
- Reticulate Venation is present in plants.
- muscle makes pupil of eyes wider.
- Mudhumalai wildlife sanctuary is located in district.

III a) Match the following.

10 X 1 = 10

- | | | |
|-------------------------|---|-------------------------|
| 26. Convex mirror | - | Radio Telescope |
| 27. Parabolic mirror | - | Rear - view mirror |
| 28. Snell's law | - | Kaleidoscope |
| 29. Dispersion of light | - | $\sin i / \sin r = \mu$ |
| 30. Refractive index | - | Rainbow |

b) Match the following.

- | | | |
|---------------------------------|---|---------------|
| 31. Gir National park | - | Madhyapradesh |
| 32. Sundarabans National park | - | Uttarakhand |
| 33. Indira Gandhi National park | - | West Bengal |
| 34. Corbett National park | - | Gujarat |
| 35. Kanha National park | - | Tamil Nadu |

IV State true or false. If false correct the statement.

5 X 1 = 5

36. In a thermos flask, the silvered walls reflect and radiate the heat outside.
 37. Mars is the smallest Planet in the Solar System.
 38. Hibiscus flower is an example for natural indicator.
 39. Female Anopheles mosquito is a carrier of dengue virus.
 40. The dominant phase of the bryophytes is sporophyte.

V Answer the following. (Any 15)

15 X 2 = 30

41. Define mole.
 42. Name two instruments which help to measure the pressure of a fluid.
 43. Define focal length.
 44. What is vibration?
 45. Name the Indians worked at NASA.
 46. Give the examples for metalloids.
 47. Define catalysis.
 48. What is chemical equation?
 49. What is a neutralization reaction?
 50. What do you mean by catenation?
 51. Write the names of any three protozoans?
 52. What is ligament?
 53. Name the methods of sowing.
 54. Give few examples for extinct species.
 55. What is cell address?
 56. State true or false. Correct the statement, if it is false.
 a) Cell wall of fungi is made up of Chitin.
 b) Pinus is a closed seeded plant.
 57. **Fill in the blanks.** a) Hydraulic lift works under the principle of
 b) A simple barometer was constructed by

Give reasons for the following. (58, 59)

58. Mercury is used in Thermometers.
 59. Ice floats on water.
 60. Draw a diagram of Amoeba and label any two parts.

VI Answer briefly. (Any 5)

5 X 3 = 15

61. What are the difference between plane angle and solid angle?
 62. List out the objectives of Mangalyan.
 63. Give some uses of electro plating.
 64. What is dry ice? What are its uses?
 65. State the difference between acids and bases?
 66. Expand CNG. List out its uses.
 67. How many classes are there in bryophytes? What are they?
 68. Write the advantages of Red Data book.

VII Answer in detail.

3 X 5 = 15

69. List out the uses of magnets. **(OR)**
 What are the achievements of Chandrayan - 1?
 70. Write the chemical formula for the following compounds.
 a) Aluminium sulphate b) Silver nitrate c) Magnesium oxide d) Barium chloride
(OR) What are the uses of Acids?
 71. Write a short note on bacteria and its structure. **(OR)**
 Give a detailed account on irrigation.