

ANNUAL EXAMINATION - 2024**8 - STD****SCIENCE**

TIME: 2.30 Hrs

Marks : 100

I. Choose the correct answer.**10 x 1 = 10**

- S.I unit of Temperature is:
 - Celsius
 - Fahrenheit
 - Kelvin
 - Ampere
- If the area of contact is greater, then the will be greater.
 - Pressure
 - Friction
 - Temperature
 - Force
- Find the odd one out.
 - Harmonium
 - Flute
 - Nadaswaram
 - Violin
- is called as Red Planet.
 - Mercury
 - Venus
 - Earth
 - Mars
- In water, hydrogen and oxygen are combined in the ratio of by mass.
 - 8 : 1
 - 1 : 8
 - 2 : 3
 - 3 : 2
- The liquid metal used in thermometers is
 - Copper
 - mercury
 - silver
 - gold
- The main component of natural gas is
 - methane
 - ethane
 - propane
 - butane
- One of the following is an edible mushroom
 - Polyporus
 - Agaricus
 - Penicillium
 - Aspergillus
- Wild life protection act was implemented in
 - 1971
 - 1986
 - 1972
 - 1973
- Which of the following is a relational operator?
 - +
 - >
 -
 - Not

II. Fill in the blanks**10 x 1 = 10**

- The mirror used by the ophthalmologist to examine the eye is
- A magnet has magnetic poles.
- was the first man to walk on the surface of the moon.
- is a negatively charged particle.
- The chemical name of water is
- Bases are in taste.
- is a good example for anaerobic respiration.
- helps to prevent thyroid gland related diseases.
- is a plant growing in a place where it is not wanted.
- National park was the first national park at India.

III. State True or False. If false give corrections.**5 x 1 = 5**

- In a thermos flask, the silvered walls reflect and radiate the heat outside.
- Chandrayan - I was launched from Chennai.
- Anthracite is known as the highest grade coal.
- Female anopheles mosquito is a carrier of dengue virus.
- Cardiac muscle is a voluntary muscle.

IV. Match the following.**6 x 1 = 6**

26. Law of conservation of mass - Sir William Crookes
 27. Law of constant proportion - J.J.Thomson
 28. Cathode rays - Joseph Proust
 29. Anode rays - James Chandwick
 30. Neutrons - Lavoisier
 31. Plum Pudding model - Goldstein

V. Answer in any 15 of the following questions :**15 x 2 = 30**

32. Define friction.
 33. State Snell's law of refraction.
 34. Name three types of heat transfer.
 35. What are the hazards of noise pollution?
 36. Distinguish between natural and artificial magnets.
 37. Name the Indians worked at NASA.
 38. What is earthing?
 39. Define Alchemy.
 40. What is pollution?
 41. State the law of constant proportions.
 42. What are the methods of removing hardness of water?
 43. What is a neutralization reaction?
 44. Name the places in Tamilnadu harnessing wind energy from wind mills.
 45. Write the four types of bacteria, based on their shape.
 46. Write any two characters of dicotyledons.
 47. Tabulate the differences between aerobic and anaerobic respiration.
 48. What is Cranium?
 49. What is adolescence?
 50. What is bio-indicator?
 51. Write the advantages of the Red Data Book.

VI. Give reason to the following :**3 x 3 = 9**

52. One should not use an umbrella while crossing field during thunderstorm.
 53. It is said that sleeping beneath the tree during night is not good for health. What is the reason.
 54. Human eye is compared with Camera.

VII. Answer in detail for any six of the following :**6 x 5 = 30**

55. Describe an experiment to show that sound cannot travel through vacuum.
 56. List out the uses of magnets.
 57. What are the achievements of Chandrayaan I?
 58. What are the effects of acid rain? How can we prevent them?
 59. Explain the different ways by which water gets polluted.
 60. Solar energy is a non depleting energy. Justify.
 61. Name the different types of joints? Give one example for each type.
 62. Give a detailed account of irrigation.
 63. Explain the nutritional needs of adolescence in brief.