

QL

QUARTERLY EXAMINATION - 2024**8 - Std****SCIENCE**

Time : 2.30 Hrs.

--	--	--	--	--	--

MARKS : 100
I Choose the correct answer.

10 X 1 = 10

- 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 spherical mirror used as a rear view mirror in the vehicle is
a) Concave mirror b) Convex mirror c) Plane mirror d) None of the above
- The process of converting a liquid into a solid is called
a) sublimation b) condensation c) freezing d) deposition
- Pencil lead contains
a) Graphite b) Diamond c) Aluminium d) Sulphur
- The pigment responsible for browning of apples is
a) Hydrated iron (II) oxide b) Melanin c) Starch d) Ozone
- Aerated water contains
a) air b) Oxygen c) Carbon di oxide d) Nitrogen
- Micro organisms are measured in
a) cm b) mm c) micron d) meter
- Binomial Nomenclature was first introduced in the year.
a) 1970 b) 1975 c) 1978 d) 1623
- The process of air passing in and out the lungs is called
a) inhalation b) exhalation c) breathing d) none of these

II Fill in the blanks.

5 X 1 = 5

- The pressure of a liquid column with the depth of the column.
- A thermostat is a device which maintains
- is used as semiconductor.
- are the infectious protein particles.
- is a good example for anaerobic respiration.

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

5 X 1 = 5

- Quartz clocks are used in GPS devices.
- Force acting on a given area is called pressure.
- EFC is a pollutant.
- Pinus is a closed seeded plant.
- Human beings are warm blooded in nature.

IV Match the following.

- | | | |
|-------------------|---|----------------------------------|
| 21. Carbohydrates | - | CO ₂ , water and heat |
| 22. Glucose | - | Amino acid |
| 23. Protein | - | Glucose |
| 24. Amino acids | - | Cholesterol and other steroid |
| 25. Fatty acids | - | Enzymes, hormone, protein |

QL 8 அறிவியல் (EM) PAGE - 1

V Answer any 15 questions.

15 X 2 = 30

26. What do you mean by luminous intensity?
27. Define : Mole.
28. Name two instruments which help to measure the pressure of a liquid.
29. Which has greater viscosity oil or honey? Why?
30. Give any two applications of a concave and convex mirror.
31. State Snell's law of refraction.
32. What are the applications of conduction in our daily life?
33. Define : One calorie.
34. Why are bells made of metals?
35. Give two examples for metalloids.
36. What is pollution?
37. Why photosynthesis is a chemical reaction?
38. List out the uses of Nitrogen.
39. What is dry ice? What are its uses?
40. Write the names of any two protozoans.
41. What are antibiotics?
42. What is meant by binomial nomenclature? Give example.
43. Write any two economic importance of fungi.
44. Mention the function of 'Alveoli'.
45. Define : Metabolism.

SIVANANDHA K. M.A..B.ED.
GHS SANDHANAPALLI
DENKANIKOTTA TK
KRISHNAGIRI DISTRICT
PH:9003373506

VI Answer any 10 questions.

10 X 3 = 30

46. Mention any three ways of minimising friction.
47. What are the effects of heat?
48. Tabulate the differences between metals and non - metals.
49. Mention the uses of the following compounds.
a) Baking soda b) Bleaching powder c) Quick lime
50. Write three properties of metalloids.
51. Mention the various conditions required for a chemical reaction to occur.
52. Mention the physical properties of Oxygen.
53. What are the effects of acid rain?
54. Write the any three types of bacteria based on their shape.
55. Why microorganisms are essential for agriculture?
56. Write any three economic importance of algae.
57. Write any three characters of pteridophytes.
58. Tabulate the differences between aerobic and anaerobic respiration.
59. Why the human eye is compared with Camera.
60. Name the three scales of temperature.

VII Answer in detail.

3 X 5 = 15

61. Give the different types of friction and explain each with on examples. (OR)
What is dispersion. Explain in detail.
62. Explain the environmental effects of chemical reactions. (OR)
Name the compounds produced when the following substances burn in Oxygen.
a) Carbon b) Sulphur c) Phosporous d) Magnesium e) Iron
63. Write the names of medicinal plants and explain their uses. (OR)
Differentiate between inhalation and exhalation.

QL 8 அறிவியல் (EM) PAGE - 2