R

FIRST MID TERM TEST - 2023

Standard - VIII

Time : 2.30 hrs **SCIENCE** **Marks: 100**

Part - I

I. Choose the correct answer:- 6×1=6

1) SI unit of temperature is _____
   a) Celsius b) Fahrenheit c) Kelvin d) ampere
2) Which of the following liquids has more viscosity?
   a) Grease b) water c) coconut oil d) Ghee
3) The pictorial symbol for water given by the alchemists was
   a) △ b) ▽ c) ▽ d) △
4) Pencil lead contains
   a) graphite b) diamond c) aluminium d) sulphur
5) Common cold in human is caused by _____
   a) plasmodium b) influenza c) vibris cholera d) aphthovirus
6) Penicillin is an antibiotic which is extracted from
   a) algae b) fungi c) bryophytes d) pteridophytes

II. Fill in the blanks:- 6×1=6

7) _____ is used to measure electric current. Ammeter
8) Hydraulic lift works under the principle of _____
9) _____ is used as a semiconductor.
10) In Haber's process of producing ammonia _____ is used as a catelyst
11) The infecting virus particle found outside the host cell is _____
12) Reticulate venation is present in _____ plants.

III. Match the following:- 10×1=10

a)

1. Static friction	-	Viscosity A
2. Kinetic friction	-	Least friction 3
3. Rolling friction	-	Objects are in motion 2
4. Friction between the liquid layers	-	Objects are sliding 5
5. Sliding friction	-	Objects are at rest 1

b)

1. Nitrogen fixing bacteria	-	Vaccine 5
2. Tuberculosis	-	Prion 3
3. Kuru	-	Lactobaci acidophilus 4
4. Probiotics	-	Bacteria 2
5. Edward Jenner	-	Rhizobium 1

IV. State True or False. If False, correct the statement:- 6×1=6

1) Quartz clocks are used in GPS devices. T
2) Rolling friction is slightly greater than the sliding friction. F
3) Symbol of mercury is Ag T
4) Citrus canker is transmitted by insects. F
5) Pinus is a closed seeded plant. F
6) CFC is a pollutant T

V. Complete the analogy:- 2×1=2

1) Knot in a thread : _____ friction.
2) Bacteria : Bacteriology : Fungi : _____

Part - II

VI. Answer very briefly: (Q.No.19 is compulsory). (any 15) **15×2=30**

1) Define - Ampere
2) What are the differences between plane angle and solid angle?
3) Write the Pascal's Law.
4) Name two instruments which help to measure the pressure of a fluid.
5) How does surface tension help a plant?
6) Write the uses of Metalloids.
7) What is a compound. Give an example.
8) Define Catalysis.
9) Why Photosynthesis is a chemical reaction?
10) What is rusting?
11) What are antibiotics?
12) Why microorganisms are essential for agriculture?
13) Write the name of any nitrogen fixing bacteria.
14) Which microorganism causes Tuberculosis. How to prevent it?
15) Write any two economic important of fungi.
16) What is Herbarium?
17) What is meant by binomial namenclature? Give example.
18) Write any two characteristic features of dicotyledons.
19) If 2 coulomb of charge flows through a circuit for 10 seconds. Calculate the current.

Part - III

VII. Answer briefly any 5 of the following. (Q.No.5 is compulsory) **5×4=20**

1) Write the short note on different types of clocks.
2) What are the applications of Pascal's law.
3) Burning of Fossil fuels is responsible for global warming. Justify the statement.
4) Write the uses of the compounds.
   a) Baking Soda b) Bleaching powder c) Quick line
5) The average weight of an Elephant is 4000N. The surface area of the sole of its foot is $0.1m^2$. Calculate the pressure exerted by one foot of an Elephant.
6) Explain how friction can be minimised
7) Write symbol of the following elements.
   a) Arun b) Cromium c) Sodium d) Iron

Part - IV

VIII. Answer in detail:- **4×5=20**

1) a) List out the base quantities with their units. **[or]**
   b) Give the different type of friction and explain each with an example
2) a) Write the chemical formula and uses of the following compounds
   a) Table salt b) Washing Soda c) Baking soda d) Bleaching Powder **[or]**
   b) Explain how food items are spoiled by chemical reactions?
3) a) How microorganism are useful in the field of medicine? **[or]**
   b) Write a short note on probiotics
4) a) Write the economic importance of gymnosperms. **[or]**
   b) Write the difference between Bryophyte and pteridophytes.

.....