

BHSK/T-II/GS/IX/23.

Term 2nd. Examination.

Class: 9th. Std.

Subject: G.Science

Max.Marks: 40

Time: 2½ Hours.

Roll No.: _____.

Date: _____.

Section (A) Physics

Q.No.1: Answer any two questions:

(2×3=6)

- i) State universal law of gravitation.
- ii) What is meant by denisity?
- iii) Define (a) Wavelength (b) Frequency

Q.No.2: Answer any two questions:

(2×2=4)

- i) In which of three media , air , water or iron sound travels faster in a particular temperature?
- ii) What is meant by free fall?
- iii) Write audible range of average human ear.

Section (B) Chemistry

Q.No.3: Answer any two questions:

(2×3=6)

- i) Write three postulates of Dalton atomic theory.
- ii) Differentiate between an atom and a molecule.

(2)

- iii) Write electronic configuration of Helium , Carbon and Nitrogen.

Q.No.4: Answer any two questions:

- i) Define isotopes. Give examples. **(2×2=4)**
- ii) What are Cations and Anions? Give examples.
- iii) Write chemical formula of Sulphuric Acid , Potassium Sulphate and Water.

Section (C) Biology

Q.No.5: Answer any two questions: **(2×3=6)**

- i) Differentiate between plants and animals.
- ii) What do we get from cereals , pulses , fruits and vegetables?
- iii) Write four symptoms of drug addiction.

Q.No.6: Answer any two questions: **(2×2=4)**

- i) Define drug.
- ii) Write the use of manures and fertilizers.
- iii) Write three characteristics of algae.

(3)

Section (D) Objective Type Questions:

Q.No.7: (A) Fill in the blanks:

(1×5=5)

- i) All animals and non-green plants are _____.
- ii) Plants need nutrients for _____ and _____.
- iii) Vital organ affected by smoking is _____.
- iv) Chemical formula of hydrochloric acid is _____.
- v) Proton is a _____ charged particle.

(B) Write True or False:

(1×5=5)

- i) An apple falls on ground due to gravity of earth.()
- ii) Weight of a body does not help to attract towards earth. ()
- iii) For every action there is no equal and opposite reaction. ()
- iv) Density = $\frac{\text{Mass}}{\text{Volume}}$ ()
- v) Electron and proton were discovered by J.J Thomson. ()

(4)

- vi) Saffron is cultivated in
a) Middle mountains b) Karewas of Kashmir c) Outer plains
d) plateaus
- vii) In India minimum voting age is
a) 15 b) 18 c) 18 d) 20
- viii) The total number of Rajya Sabha members are
a) 200 b) 250 c) 300 d) 350
- (ix) There are catagories of fundamental rights.
a) 5 b) 6 c) 7 d) 8
- (x) Leap year has..... days.
a) 365 b) 366 c) 367 d) 368

(10×1=10)