

Half Yearly Examination 2020

Subject-Science

Time:- 3.00 Hrs

Class- 9th

M.M.100

Note:- 1. Read the intructions Corefully.

2. All Question are compulsory.

Q.1

Choose The Correct Option :-

(a)

Who Discovered The Nucleus.

- (i) Rabort Hooke (ii) Rabert Brown
(iii) Purkingee (iv) Rudolf virchow

(b)

Human Cell Nucleus contain

- (i) DNA (ii) RNA (iii) DNA and RNA
(iv) None Of These

(c)

The Primary Function Of Lucoplast Is

- (i) Nutrition (ii) Excretion (iii) storage
(iv) Digestion

(d)

Which Is Not A Type Of Complex Tissue.

- (i) Tracheid (ii) Vessel (iii) Protective Tissue
(iv) Section Of phloem.

(e)

The outermost Layer Of Plant cell Is -

- (i) Plasma Membrane (ii) Cell Wall
(iii) Nrclear Membrane (iv) Ionoplast.

Q.2

Fill In The Blanks :

(a)

Blood Is A Type Of -----Tissue.

(b)

----- Is Structural And Functional unit Of Life.

(c)

-----Is A Group Of Cells.

(d)

..... Tissue Is Found Between The Skin And Mascles.

(e)

Plant Tissues Are Of Two Main Types---And__

Q.3

Match The Column :

(a)

Solid gas

Ireeging Print Of Water

(b)

32.F.

State Of Matter.

(c)

Nervous Tissue

Hiv

(d)

AIDS

neuron

(e)

Unit Of Force

Newton.

P.T.O.

- ~~Q.4~~ Answer In One Word/Sentence.
- (a) Write All Three Equation Of Motion.
- (b) Define Momentum
- (c) Define Force.
- (d) Define Thrust And Pressure.
- (e) What Do You Mean By Buoyancy?
- ~~Q.5~~ Why Are Manure And Fertilizers Used In Fields
- ~~Q.6~~ Differentiate Between Manure And Fertilizers.
- ~~Q.7~~ Why Is Water Essential For Life ?
- ~~Q.8~~ Name Two Biologically Important Compounds That Contain Both Oxygen And Nitrogen.
- ~~Q.9~~ What Is The Greenhouse Effect ?
- ~~Q.10~~ (a) What Is Soil Erosion ?
(b) List Any Three Human Activities That You Think Would Lead To Air Pollution ?
- ~~Q.11~~ What Is Immunisation ?
- ~~Q.12~~ (a) Name 2 disease With Its Causative Agent?
(b) State Any 2 conditions Essential For Good Health.?
- ~~Q.13~~ State The First Second And Third Laws Of Motion.?
- Q.14 An Athlete Completes One Round Of A Circular Track Of Diameter 200m In 40. s What Will be
The Distance Covered and The Displacement At The End Of 2 Minute 20. s ?
- ~~Q.15~~ Compare The Properties Of Electron Protons And Neutrons.
- ~~Q.16~~ Explain With Examples (Any 3)
(i) Atomic Number (ii) Mass Number
(iii) Isotopes (iv) Isobars

- Q.17 $9Fz = 3$ What would be the valency of the element also name the element.
- Q.18 Calculate the molecular masses of -
(i) H_2O (ii) O_2 (iii) Cl_2 (iv) C_2H_6
- Q.19 Write the formula of compounds -
(i) Hydrogen sulphide (ii) Aluminium oxide
(iii) Calcium oxide. (iv) Ammonium sulphate.
- Q.20 (a) Convert the following temperatures to the Celsius scale. $293K$, $470K$
(b) Convert the following temperatures to the Kelvin scale. $25^\circ C$, $373^\circ C$
- Q.21 State differences between solid, liquid and gas.
- Q.22 (a) Name the types of endoplasmic reticulum. Differentiate them.
(b) Write two names of cell organelles with their functions.
- Q.23 Write the names of plant division and animal phylum with 1-1 examples.