

I. Choose the most appropriate synonym of the underlined word: (4)

1. Clem looked at Pongo furiously
a) politely b) gently c) angrily d) calmly
2. The voice in his head asked the narrator to eat the evidence.
a) proof b) contradict c) disprove d) refute
3. A little stream was trickling over the rock.
a) running b) flowing c) standing d) screaming
4. The conservation of water supplies is the problem of afforestation
a) manipulation b) deforestation
c) construction d) reforestation

II. Choose the most appropriate antonym of the underlined word: (4)

5. Entire soil is creation of the river.
a) preservation b) recreation c) building d) destruction
6. Large quantities of precious soil can be washed away.
a) worthless b) favourite c) treasured d) cherished
7. Narrator was locked inside the cabin.
a) closed b) released c) chocked d) sealed
8. Clem Jones was ordered to open the box.
a) prepared b) arranged c) requested d) forced

III. Choose the correct option: (3)

9. I will discard these letters.
a) Take off b) Take up c) throw out d) throw off
10. Mr. Sharma is man of letters.
a) thoughtful person b) scholar
c) write letters d) writes poem
11. Oranges were hidden in my pockets.
a) concealed b) consider c) complete d) arranged

IV. Fill in the blanks with appropriate modals: (3)

12. I _____ walk for an hour when I was young.
13. We _____ take milk regularly.
14. When I was young, I _____ watch movies all afternoon.

V. Choose the correct modal: (4)

15. My father _____ read newspaper daily.
(might, will, used to , dare)
16. I _____ tell the truth.
(Ought to, dare, need, used to)
17. _____ I use your phone please? (Could, Can, Must, Need)
18. I _____ go to Delhi next week. (could, dare, need, might)

Section-C

VI. Answer any four of the following questions: (8)

19. Why did the policeman suspect the narrator?
20. What happened when the box was opened?
21. Why did the narrator call Clem Jones a careful planner?
22. What makes water one of the most powerful and wonderful things on earth?

SCIENCE

Part - I

I. Fill in the blank: 13x1=13

- The part of the AC generator that passes the current from the armature coil to the external circuit is _____.
a) field Magnet b) split rings c) slip rings d) brushes
- An electric motor converts _____.
- The SI unit of magnetic field induction is _____.
- The Magnetic Levitation Trains is called _____.
- Elements with stable electronic configuration have _____ electrons.
- NaCl is an example of _____ bond.
- The oxidation number of Oxygen is _____.
- Oxidation agents are also called as _____.
a) electron displacement b) electron acceptors
c) electron donors d) proton acceptors
- Which among the following is the largest digestive gland?
a) sublingual b) liver c) parotid d) submaxillary
- Bile helps in the digestion of _____.
a) Protein b) sugar c) fat d) carbohydrates
- Which among the following is not a part of female reproductive system?
a) Testes b) Ovary c) Uterus d) fallopian tube
- The muscular and sensory organ which helps in mixing the food with saliva is _____.
a) gall bladder b) neuron c) nephron d) tongue
- Which among the following is not a constituent of sweat?
a) Urea b) Protein c) Water d) Salt

II. Answer in one or two lines: 11x2=22

Part - A (any three)

- Draw and label the diagram of an AC generator.
- State Fleming's left hand rule.
- List the main parts of an electric motor.
- A portable radio has built-in transformer so that it can work from the mains instead of batteries. Is this a step up or step down transformer? Give reason.
- State true or false. If false, correct the statement.
a) A transformer can step up direct current.
b) Fleming's left hand rule is also known as Dymo rule.

19. State any two advantages of AC over DC.

Part - B (any three)

- Define Octet Rule.
- Why are noble gases inert in nature?
- Find the oxidation number of C in CO₂.
- Identify the incorrect statement and correct them
a) The electrons which are not involved in bonding are called valence electrons.
b) Ionic bond is a weak bond when compared to hydrogen bond.
- Draw the electron distribution diagram for the formation of carbon dioxide (CO₂) molecule.
- Draw the Lewis dot structure for Lithium and Oxygen.

Part - C (any five)

- Why do we sweat?
 - Name the blood vessel that
a) enters malpighian capsule, and
b) leaves malpighian capsule
 - Differentiate Ingestion and Egestion
 - Draw a neat labeled diagram of structure of a nephron.
 - What is micturition?
 - Match the following:
 - List out any functions of human kidney.
 - Name the types of teeth present in an adult human being.
- III. Answer in detail: 3x5=15

Part - A (any one)

- Explain the principle, conduction and working of a DC motor.
- Explain Faraday's laws of electromagnetic Induction.

Organ	Elimination
i) Skin	a) undigested food
ii) Lungs	b) Urine
iii) Intestine	c) carbon-di-oxide
iv) Kidneys	d) Sweat

Part - B (any one)

- Write the differences between Ionic and Covalent Bond.
- Explain the characteristics of co-ordinate covalent compounds.

Part-C (any one)

- Draw a neat labeled diagram of L.S of human kidney and explain its structure.
- List out any five functions of Liver.