

GENERAL INSTRUCTIONS:- Biology -IX [A] Diversity, Natural Recourses, Why do you fall ill

1. All question are compulsory
2. The question paper consists of 28 questions divided into four sections A, B, C and D.
3. **Section –A 6 Objective Type question carrying 1 marks each**
4. **Section – B 4 Very Short Answer Type Questions, carrying 2 marks each**
5. **Section –C 7 Short answer type Questions, carrying 3 marks each**
6. **Section –D 3 Long answer type Questions, carrying 5 marks each**

F.M:-50

P.M-30

TIME:-3 hours

Section - A

1. Which of the following is the largest phylum?
(a) Arthropoda (b) Annelida (c) mollusca (d) cnidaria
2. Placoid scales are present in
(a) anabas (b) scouodon (c) Lizard (d) crocodile
3. Which of the following is a monocot?
(a) carrot (b) wheat (c) Mango (d) Mustard
4. Which one of the following causes kala-azar ?
(a) Trypanosoma (b) bacteria (c) Ascaris (d) Leishmania
5. AIDS virus has
(a) single strand DNA (b) double strand DNA
(c) Single strand RNA (d) double strand RNA
6. BCG vaccine is used to curb?
(a) Pneumonia (b) tuberculosis (c) Polio (d) amoebiasis

Section -B

7. You are provided with seeds of gram, wheat, rice, pumpkin, maize and pea. Classify them whether they are monocot or dicot
8. Classify the following organisms based on absence or presence of true coelom, as acoelomate, Pseudo coelomate, and coelomate, spongia, sea anemone, planaria, liver fluke, wuchereria, Ascaris, Nereis, Earth worm, scorpion, birds, fishes and horse.
9. What is disease? How many types of disease have you studied? Give examples.
10. Why is AIDS considered to be a “syndrome” and not a disease.

Section -C

11. Give one point of difference between notochord and nerve cord.
12. Why is Euglena called plant animal?
13. Define the terms and give one example of each.
(i) Bilateral symmetry (ii) Coelom (iii) triploblastic

14. (i) Draw a neat diagram of hydra
(ii) label mesoglea and gastrovascular cavity
(iii) Name the group of animals it belongs to
(iv) Name one species of the group that lives in colonies
15. Why is immune system essential for our health?
16. Why are antibiotic not effective for viral diseases?
17. What are antibiotics? Give two examples.

Section -D

18. Explain giving reasons
- (a) Balanced diet is necessary for maintaining health body
 - (b) Health of an organism depends upon the surrounds enviromental condition
 - (c) Our surrounding area should be free at stagnant water
 - (d) Social harmony and good economic conditions are necessary for good health?
19. Draw a flow chart for kingdom animillia?
20. Write name of a few thallophytes? And label the following diagram.

