

CLASS XI BIO CH:4

Set – 4 : Animal Kingdom

1. Assertion (A): Sponges show cellular level of organization.

Reason (R): Their cells are independent and not organized into tissues.

A) Both A and R are true, and R is the correct explanation of A.

B) Both A and R are true, but R is not the correct explanation.

C) A is true, R is false.

D) Both are false.

2. Assertion (A): Cnidoblasts are present only in Coelenterates.

Reason (R): They help in defence, anchorage, and capturing prey.

A) Both A and R are true, and R explains A.

B) Both A and R are true, but R does not explain A.

C) A is true, R is false.

D) Both are false.

3. Assertion (A): All Platyhelminthes are triploblastic.

Reason (R): They have three germ layers—ectoderm, mesoderm, and endoderm.

A) Both A and R are true, and R explains A.

B) Both A and R are true, but R does not explain A.

C) A true, R false.

D) Both false.

4. Assertion (A): Roundworms are pseudocoelomates.

Reason (R): Their body cavity is derived from the blastocoel, not mesoderm.

A) Both A and R are true, and R explains A.

B) Both true, R doesn't explain.

C) A true, R false.

D) Both false.

5. Assertion (A): Annelids are the first animals to show true segmentation.

Reason (R): Their body is divided into internal and external segments called metameres.

A) Both true, R explains A.

B) Both true, R doesn't explain A.

C) A true, R false.

D) Both false.

6. Assertion (A): Arthropods have open type of circulation.

Reason (R): Blood is filled in spaces called haemocoel.

CLASS XI BIO CH:4

- A) Both true, R explains A.
 - B) Both true, R doesn't explain A.
 - C) A true, R false.
 - D) Both false.
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7. Assertion (A): Molluscs have kidney-like excretory organs.

Reason (R): These are called metanephridia.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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8. Assertion (A): Echinoderms show radial symmetry in adults.

Reason (R): Their larvae are bilaterally symmetrical.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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9. Assertion (A): Hemichordates are now placed under non-chordates.

Reason (R): They lack a true notochord.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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10. Assertion (A): Protochordates possess notochord only in larval stage.

Reason (R): In adults, notochord disappears.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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11. Which of the following has a hydrostatic skeleton?

- A) Earthworm B) Cockroach C) Starfish D) Snail
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12. Which of the following is not a feature of Porifera?

- A) Tissue level of organization

CLASS XI BIO CH:4

- B) Pores all over the body
 - C) Canal system
 - D) Choanocytes
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13. Which of the following shows polymorphism?

- A) Coelenterata B) Platyhelminthes C) Mollusca D) Annelida
-

14. Which of the following is a hermaphrodite parasite?

- A) Taenia B) Ascaris C) Wuchereria D) Leech
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15. Flame cells function in —

- A) Excretion and osmoregulation
 - B) Respiration
 - C) Reproduction
 - D) Circulation
-

16. The first phylum to exhibit an organ-system level of body organization is —

- A) Platyhelminthes
 - B) Coelenterata
 - C) Porifera
 - D) Mollusca
-

17. Body cavity derived from blastocoel occurs in —

- A) Aschelminthes
 - B) Annelida
 - C) Mollusca
 - D) Echinodermata
-

18. Open type of circulatory system is found in —

- A) Arthropoda and Mollusca
 - B) Annelida and Chordata
 - C) Echinodermata
 - D) None
-

19. The characteristic feature of Mollusca is —

- A) Mantle and Radula
- B) Jointed legs

CLASS XI BIO CH:4

- C) Segmented body
 - D) Water vascular system
-

20. Tube feet help in locomotion and capturing food in —

- A) Starfish
 - B) Earthworm
 - C) Octopus
 - D) Snail
-

21. The excretory organ of Crustaceans is —

- A) Green gland
 - B) Nephridium
 - C) Malpighian tubule
 - D) Kidney
-

22. Which group is completely marine?

- A) Echinodermata
 - B) Arthropoda
 - C) Mollusca
 - D) Coelenterata
-

23. The first chordates were —

- A) Protochordates
 - B) Vertebrates
 - C) Fishes
 - D) Amphibians
-

24. The heart in chordates is —

- A) Ventral and muscular
 - B) Dorsal
 - C) Lateral
 - D) Absent
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25. The nerve cord in non-chordates is —

- A) Ventral and solid
 - B) Dorsal and hollow
 - C) Dorsal and solid
 - D) None
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26. In which of the following, fertilization is external?

- A) Amphibians
 - B) Reptiles
 - C) Mammals
 - D) Aves
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CLASS XI BIO CH:4

27. Which is the connecting link between Annelida and Arthropoda?

- A) Peripatus B) Limulus C) Balanoglossus D) Amphioxus
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28. Which of the following is a coelenterate?

- A) Hydra B) Taenia C) Planaria D) Ascaris
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29. Bilateral symmetry is associated with —

- A) Cephalization
B) Radial symmetry
C) Sessile life
D) Asymmetry
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30. Which of the following is not a characteristic of Echinodermata?

- A) Open circulation
B) Water vascular system
C) Calcareous endoskeleton
D) Exclusively marine habitat
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31. Invertebrates showing closed blood circulation are —

- A) Annelids
B) Arthropods
C) Echinoderms
D) Molluscs
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32. The parasitic larva of *Fasciola hepatica* is —

- A) Miracidium
B) Cysticercus
C) Trochophore
D) Planula
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33. Book lungs are respiratory organs in —

- A) Spider
B) Cockroach
C) Prawn
D) Leech
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CLASS XI BIO CH:4

34. Book gills are present in —

- A) King crab (Limulus)
 - B) Earthworm
 - C) Starfish
 - D) Snail
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35. What is common in Aves and Mammals?

- A) Warm-blooded
 - B) Oviparous
 - C) Gills
 - D) Poikilothermic
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36. Assertion (A): Chordates are triploblastic and coelomate.

Reason (R): They have notochord, dorsal nerve cord, and pharyngeal slits.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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37. Assertion (A): Ascaris is unisexual.

Reason (R): Male and female worms are separate individuals.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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38. Assertion (A): Starfish has a unique system called water vascular system.

Reason (R): It helps in locomotion, feeding, and respiration.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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39. Assertion (A): Obelia shows alternation of generations.

Reason (R): Polyp is asexual and medusa is sexual.

- A) Both true, R explains A.
- B) Both true, R doesn't explain.
- C) A true, R false.
- D) Both false.

CLASS XI BIO CH:4

40. Assertion (A): Leech is a blood-sucking ectoparasite.

Reason (R): It has anterior and posterior suckers.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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41. Assertion (A): Taenia solium causes taeniasis in humans.

Reason (R): It lives in the large intestine of man.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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42. Assertion (A): Earthworm breathes through its moist skin.

Reason (R): It lacks specialized respiratory organs.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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43. Assertion (A): Snails move with the help of a muscular foot.

Reason (R): It secretes mucus for smooth movement.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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44. Assertion (A): Arthropods have a segmented body and jointed legs.

Reason (R): These are adaptations for locomotion.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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45. Assertion (A): Sponges have intracellular digestion.

Reason (R): Food is engulfed by choanocytes and digested in food vacuoles.

- A) Both true, R explains A.

CLASS XI BIO CH:4

- B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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46. Assertion (A): Cnidarians are diploblastic animals.

Reason (R): They have ectoderm and endoderm separated by mesoglea.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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47. Assertion (A): Planaria shows regeneration.

Reason (R): It has high power of cell division in its body.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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48. Assertion (A): Radial symmetry is seen in Cnidarians.

Reason (R): It helps in equal response from all directions.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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49. Assertion (A): Protochordates show both chordate and non-chordate features.

Reason (R): They are marine and have notochord in some stages.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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50. Assertion (A): Frogs respire through skin, lungs, and buccal cavity.

Reason (R): They are amphibious animals adapted to both land and water.

- A) Both true, R explains A.
 - B) Both true, R doesn't explain.
 - C) A true, R false.
 - D) Both false.
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CLASS XI BIO CH:4

✓ Answer Key – Set 4

1-A, 2-A, 3-A, 4-A, 5-A, 6-A, 7-A, 8-A, 9-A, 10-A,
11-A, 12-A, 13-A, 14-A, 15-A, 16-A, 17-A, 18-A, 19-A, 20-A,
21-A, 22-A, 23-A, 24-A, 25-A, 26-A, 27-A, 28-A, 29-A, 30-A,
31-A, 32-A, 33-A, 34-A, 35-A, 36-A, 37-A, 38-A, 39-A, 40-A,
41-C, 42-A, 43-A, 44-A, 45-A, 46-A, 47-A, 48-A, 49-A, 50-A.

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