



BIOLOGY

NEET & AIIMS

MOCKTEST 22: ZOOLOGY

Example

1. Which of the following structures in molluscs, tests the chemical nature of water?

A. Keber's organ

B. Osphradium

C. Pericardial gland

D. Organ of Bojanus

Answer: B



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2. Select the correct statement regarding molluscs?

- A. Both gills and lungs are respiratory structures present in all molluscs
- B. Blood lacks respiratory pigment
- C. Nautilus is a connecting link between annelids and molluscs
- D. Cephalopods have closed circulatory system

Answer: D



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3. Which of the following molluscs lacks radula?

A. Pila

B. Pinctada

C. Limax

D. Doris

Answer: B



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4. Which of the following is an incorrect match?

A. Radula- Feeding

B. Ctenidia-Respiration

C. Organ of Bojanus-Excretion

D. Keber's organ Pearl formation

Answer: D



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5. Consider the following statements w.r.t. molluscs. Gills also perform excretion along with respiration. Glochidium larva of *Unio* is an ectoparasite on fish. Oral arms of Octopus are modification of foot. *Neopilina* has segmented body and is covered with shell. How many of the above mentioned statements are correct?

A. four

B. one

C. three

D. two

Answer: A



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6. Pearl is formed when a foreign substance gets trapped between A of B

A. A- Shell and mantle B - Pila

B. A- Nacreous and prismatic layer B-

Pinctada

C. A - Shell and mantle B Pinctada

D. A- Nacreous and prismatic layer B-

Ostrea

Answer: C



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7. Echinoderms are characterised by

(a) Exclusively marine habitat and calcareous endoskeleton

(b) Presence of water vascular system and

tube feet for locomotion

(c) Bilateral symmetry in larvae and radial symmetry in adults

(d) All of these

A. Exclusively marine habitat and calcareous endoskeleton

B. Presence of water vascular system and tube feet for locomotion

C. Bilateral symmetry in larvae and radial symmetry in adults

D. All of these

Answer: D



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8. Which of the following is incorrect match between organism and its larval form?

A. Antedon-Doliolaria

B. Holothuria-Doliolaria

C. Ophiura- Ophiopluteus

D. Echinus-Echinopluteus

Answer: B



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9. The character of starfish to break away a part of its body is

A. Autogamy

B. Neoteny

C. Autophagy

D. Autotomy

Answer: D



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10. Consider the following characters: (a) Aboral surface bears anus and madreporite. (b) Ambulacral grooves are absent. (c) Respiration by dermal branchiae and tube feet. (d) Arms are branched. (e) Pedicellariae are present Which of the following options gives the correct description of Asterias?

A. (a),(c) and (e)

B. (b), (c) and (d)

C. (a),(d) and (e)

D. (b),(d) and (e)

Answer: A



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11. Aristotle's lantern is associated with

(a) Respiration in Ophiura

(b) Excretion in Cucumaria

(c) Feeding in Echinus

(d) Locomotion in Antedon

A. Respiration in Ophiura

B. Excretion in Cucumaria

C. Feeding in Echinus

D. Locomotion in Antedon

Answer: C



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12. Balanoglossus is commonly known as

A. Sand worm

B. Acom worm

C. Blood worm

D. Rag worm

Answer: B



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13. Read the following statements. Statement-

A: Balanoglossus has segmented body.

Statement-B : Their body is divisible into three

distinct regions proboscis, collar and

trunk. Choose the correct option

A. Both statements are correct

B. Statement-A is correct and statement-B
is incorrect

C. Statement-A is incorrect and statement-
B is correct

D. Both statements are incorrect

Answer: C



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14. Which of the following is not a characteristic feature of Hemichordates?

A. Exclusively marine

B. Excretion by proboscis gland

C. Notochord present only in anterior half
of body

D. Respiration by gills

Answer: C



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15. Which of the following organisms has tomaria and Auricularia as their larval forms respectively?

A. Balanoglossus, Asterias

B. Asterias, Saccoglossus

C. Ophiura, Saccoglossus

D. Balanoglossus, Holothuria

Answer: D



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16. Chordates differ from non chordates in having

A. Bilateral symmetry

B. Heart

C. Notochord

D. Nerve cord

Answer: C



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17. All chordates have

(a) Notochord in adult stage

(b) Solid nerve cord during embryonic stage

(c) Triploblastic nature

(d) Dorsal heart

A. Notochord in adult stage

B. Solid nerve cord during embryonic stage

C. Triploblastic nature

D. Dorsal heart

Answer: C



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18. Which of the following is not a feature of urochordates?

A. Open circulatory system

B. Neural gland as excretory structure

C. Pharyngeal gill slits throughout the life

D. Notochord in adult stage

Answer: D



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19. Read the following statements. (A) All the protochordates are marine. (B) Urochordates have tunic or test. (C) Urochordate reproduces both asexually and sexually. (D) Cephalochordates do not have respiratory pigment. How many of the above mentioned statements are correct?

A. Only (A)

B. Only (B)

C. (A), (B) & (C) only

D. (A), (B), (C) & (D)

Answer: D



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20. Consider the following structures. (A) Notochord (B) Pharyngeal gill slits (C) Dorsal hollow nerve cord (D) Tail. How many structure are present in adult cephalochordate?

A. Only (A)

B. Only (A) & (B)

C. (A), (B) & (C) only

D. (A), (B), (C) & (D)

Answer: D



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21. In adult urochordate, lateral line system is absent because

A. They are predator

B. They have ampullae of Lorenzini

C. They are sedentary

D. They show progressive metamorphism

Retrogressive metamorphism is the
feature of

Answer: C



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22. Retrogressive metamorphism is found in
Amphioxus/Herdmania.

A. Amphioxus

B. Salpa

C. Balanoglossus

D. Myxine

Answer: B



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23. Branchial basket is the modification of

A. Mouth in cephalochordate

B. Pharynx in cephalochordate

C. Pharynx in urochordate

D. Stomach in urochordate

Answer: C



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24. Consider the following structures :(i) Notochord(ii) Nerve cord(iii) Pharyngeal gill slits(iv) Tail.How many features are present in larva urochordates?

A. one

B. two

C. three

D. four

Answer: D



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25. Absence of jaw is the feature of

A. Myxine

B. Eptatretus

C. Petromyzon

D. All of these

Answer: D



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26. Similarity between adult Amphioxus and adult Petromyzon is

A. Presence of 6-15 pairs of gill slits

B. Presence of paired fins

C. Presence of notochord

D. Presence of vertebrae

Answer: C



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27. Consider the following statements. (A) Exchange of gases through skin (B) Indirect development (C) Only one genus represents the whole group (D) All the primary chordate

features are present in embryo, larva and adult The above features characterise:

- A. Urochordata
- B. Cephalochordata
- C. Cyclostomata
- D. Protochordata

Answer: B



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28. Petromyzon is/shows

A. A gnathostome

B. A marine animal

C. Anadromous migration

D. Both (2) & (3)

Answer: D



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29. Which of the following is a feature of Myxine?

A. Paired fins

B. Unpaired fins

C. Anadromous migration

D. Presence of lower jaw

Answer: B



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30. Semicircular canal in the internal ear is the feature of

A. Herdmania

B. Lancelet

C. Myxine

D. Sea squirt

Answer: C



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