



BIOLOGY

BOOKS - DINESH PUBLICATION

ENGLISH

PHYLUM - ANNELIDA

Multiple

1. The unique characteristic of annelida is

(a) Coelom

(b) Nephridia

(c) Hermaprodite

(d) Alimentary canal is complete

A. Coelom

B. Nephridia

C. Hermaprodite

D. Alimentary canal is complete

Answer: a



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2. The common larva of polychaeta/annelida is

A. Trochophore

B. Actinotrocha

C. Glochidium

D. Tornaria

Answer: A



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3. Name any annelid which is dioecious

(a) Pheretina

(b) Eisenia

(c) Nereis

(d) Lumbricus

A. Pheretina Eisenia

B. Eisenia

C. Nereis

D. Lumbricus

Answer: C



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4. The number of segments in Hirudinaria is

(a) 105

(b) 53

(c) 33

(d) 23

A. 105

B. 53

C. 33

D. 23

Answer: C



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5. Annelids are

A. Flatworms

B. Roundworms

C. 6-legged invertebrates

D. Segmented worms

Answer: D



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6. Locomotion occurs in Sandworm or Nereis through

(a) Chaetae

(b) Setae

(c) Legs

(d) Parapodia

A. Chaetae

B. Setae

C. Legs

D. Parapodia

Answer: D



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7. The trait common in Leech and Mosquito is

A. Anticoagulants

B. Abundant asexual reproduction

C. Cellular level of organisation

D. Absence of sexual phase

Answer: A



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8. The unique characteristic of phylum annelida is

A. Flame cells

B. Metameric segmentation

C. Botryoidal tissue

D. Trochophore larva

Answer: B



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9. The first segment of annelids is

A. Prostomium

B. Peristomium

C. Prestomium

D. Poststomium

Answer: a



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10. Blood pigment of annelids is

A. Haemoglobin

B. Cyanin

C. Haemanin

D. Haemocyanin

Answer: A



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11. Hirudinaria is

- A. Omnivorous
- B. Carnivorous
- C. Herbivorous
- D. Sanguivorous

Answer: D



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12. Body cavity of annelids/Nereis is

A. Sahizocoel

B. Enterocoel

C. Pseudocoel

D. None of the above

Answer: A



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13. Nereis is

(a) Carnivorous

(b) Herbivorous

(c) Sanguivorous

(d) Parasitic

A. Carnivorous

B. Herbivorous

C. Sanguivorous

D. Parasitic

Answer: A



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14. Heteronereis is

- (a) Member of Hirudinea
- (b) Fresh water annelid
- (c) Sexual phase of Nereis
- (d) Sanguivorous animal.

A. Member of Hirudinea

B. Fresh water annelid

C. Sexual phase of Nereis

D. Sanguivorous animal.

Answer: C



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15. Hirudinaria is

A. Marine aquatic

B. Terrestrial annelid

C. Endoparasite

D. Ectoparasite

Answer: D



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16. What is true of Hirudinaria?

- (a) It has a cephalic sucker
- (b) Mouth is triradiate
- (c) Segments are superficially subdivided
- (d) All the above

A. It has a cephalic sucker

B. Mouth is triradiate

C. Segments are superficially subdivided

D. All the above

Answer: D



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17. A temporary clitellum occurs during the breeding season in

(a) Pheretima

(b) Heteronereis

(c) Hirudinaria

(d) Aphrodite

A. Pheretima

B. Heteronereis

C. Hirudinaria

D. Aphrodite

Answer: C



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18. Leech does not allow blood clotting by

A. Heparin

B. Thromboplastin

C. Hirudin

D. Haemophilic factor

Answer: C



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19. The incorrect classification is

- (a) Polychaeta-Nereis
- (b) Archiannelida-Polygordius
- (c) Polychaeta-Hirudinaria
- (d) Oligochaeta-Pheretima

A. Polychaeta-Nereis

B. Archiannelida-Polygordius

C. Polychaeta-Hirudinaria

D. Oligochaeta-Pheretima

Answer: C



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20. The segmental appendages of Nereis are

- (a) Tentacles
- (b) Setae
- (c) Suckers
- (d) Parapodia

A. Tentacles

B. Setae

C. Suckers

D. Parapodia

Answer: D



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21. Number of eyes present on the prostomium of Nereis is

A. Four

B. Three

C. Two

D. One

Answer: A



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22. Last segment of Nereis bears

- (a) Tentacles
- (b) Parapodia
- (c) Anal cirri
- (d) Penial spicules

A. Tentacles

B. Parapodia

C. Anal cirri

D. Penial spicules.

Answer: C



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23. Metameric segmentation is

A. External segmentation corresponding to
internal segmentation

B. Segmentation present in only a part of the individual

C. Segmentation found in the middle part of the body

D. Posterior segmentation

Answer: A



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24. In which animal gonads develop only during breeding season?

(a) Pheretima

(b) Lumbricus

(c) Nereis

(d) Hirudo

A. Pheretima

B. Lumbricus

C. Nereis

D. Hirudo

Answer: C



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25. Which is marine

A. *Pheretima communissima*

B. *Eisenia*

C. *Pontonbdellal Nereis*

D. *Hirudo*

Answer: C



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26. The advantage of hermaphroditism to Hirudo is

- A. To produce double population
- B. To decrease population
- C. To increase population
- D. None

Answer: A



27. Nereis is

(a) Carnivorous

(b) Herbivorous

(c) Sanguivorous

(d) Parasitic

A. Gregarious

B. Nocturnal

C. Carnivorous

D. All the above

Answer: D



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28. The fresh water animal is

(a) Tubifex

(b) Polynoe

(c) Pontobdella

(d) Neanthes

A. Tubifex

B. Polynoe

C. Pontobdella

D. Neanthes

Answer: A



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29. Hirudinaria shows locomotion by

A. Looping

B. Swimming

C. Both A and B

D. Creeping

Answer: C



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30. Indicator of water pollution :

A. Hirudinaria

B. Tubifex

C. Planaria

D. Amoeba

Answer: B



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31. Which one is Sea Mouse?

(a) Aphrodite

(b) Peripatus

(c) Terebella

(d) Chaetopterus

A. Aphrodite

B. Peripatus

C. Terebella

D. Chaetopterus

Answer: A



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32. Which one has two pairs of jaws?

(a) Terebella

(b) Tubifex

(c) Chaetopterus

(d) Aphrodite

A. Terebella

B. Tubifex

C. Chaetopterus

D. Aphrodite

Answer: D



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33. Dorsal surface of Aphrodite is covered by

(a) Iridescent bristles

(b) Spines

(c) Elytra

(d) All the above

A. Iridescent bristles

B. Spines

C. Elytra

D. All the above

Answer: C



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34. Annelids which shows colour changes during movement

A. Pheretima

B. Chaetopterus

C. Terebella

D. Aphrodite

Answer: D



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35. Annelid having gills for respiration is

A. Terebella

B. Chaetopteris

C. Lumbricus

D. Nereis

Answer: A



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36. Which of the following is an unsegmented and viviparous worm?

A. Tubifex

B. Bonellia

C. Megascolex

D. Terebella

Answer: B



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37. Environment determines the sex of the animal in

(A) Bonellia

(B) Hirudinaria

(C) Nereis

(D) Both A and B

A. Bonellia

B. Hirudinaria

C. Nereis

D. Both A and B

Answer: A



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38. Clitellum occurs over 11 and 12 segment in

A. Pheretima

B. Tubifex

C. Lumbricus

D. Megascolex

Answer: B



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39. Bonellia feeds with the help of

A. Tentacles

B. Parapodia

C. Proboscis

D. Alifrom notopodia

Answer: C



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40. Which one is bright red coloured ?

A. Nereis

B. Aphrodite

C. Bonellia

D. Tubifex

Answer: D



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41. A dorsal ciliated groove for directing food into mouth is found in

- A. Aphrodite
- B. Chaetopterus
- C. Terebella
- D. Tubifex

Answer: B



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42. Which one lives in burrows?

A. Tubifex

B. Chaetoperis

C. Terebella

D. Both B and C

Answer: D



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Revision Question From Competitive Exams

1. Coelom filled with muscular and connective tissues or botryoidal tissue occurs in

A. Ascaris

B. Nereis

C. Pheretima

D. Hirudo

Answer: D



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2. Metamerism is characteristic of phylum

A. Platyhelminthes

B. Annelida

C. Porifera

D. Mollusca

Answer: B



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3. The main function of clitellum is

A. Coccon formation

B. Locomation

C. Excretion

D. Copulation

Answer: A



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4. Leech is

A. Carnivorous

B. Sanguivorous

C. Ectoparasite

D. Both B and C

Answer: D



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5. Suctorial mouth occurs in

A. Butterfly

B. Leech

C. Taenia

D. Cockroach

Answer: B



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6. Which one assists in locomotion ?

A. Trichocysts in Paramecium

B. Pedicellariae of Star Fish

C. Clitellum in Pheretima

D. Posterior sucker in Hirudinaria

Answer: D



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7. What is common between earthworm, leech and centipede

A. Absence of legs

B. Hermaphrodite nature

C. Ventral nerve cord

D. Malpighian tubules

Answer: C



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8. Name the animal having both setae and nephridia

A. Sea Urchin

B. Sea Mouse

C. Sea Anemone

D. Sea Pen.

Answer: B



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9. Nereis belongs is

A. Mollusca

B. Arthropoda

C. Echinodermata

D. Annelida

Answer: D



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10. Animals having multiple or numerous setae are included under

- A. Polychaeta
- B. Oligochaeta
- C. Hirudinea
- D. Onychophora

Answer: A



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11. Which one exhibits concentric tube-within-tube plan ?

- (a) Arthropoda
- (b) Oligochaeta /Earthworm
- (c) Mollusca
- (d) Echinodermata

A. Arthropoda

B. Oligochaeta /Earthworm

C. Mollusca

D. Echinodermata

Answer: B



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12. Which one is not deuterostome

A. Protochordata

B. Cephalchordata

C. Annelida

D. Echinodermata

Answer: C



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13. Annelida is advanced over Nematoda in having

A. Closed circulation

B. Metameric segmentation

C. True coelom

D. All the above

Answer: D



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14. A mismatch is

A. Odd toe-Horse

B. Pheretima-parapodia

C. Hydra- Cnidaria

D. Cartilaginous Fish-Shark

Answer: B



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15. Leeches are

A. Phytophagous animals

B. Blood sucking animals

C. Insectivorous animals

D. Soil eating animals

Answer: B



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16. In Earthworm, neurons are

(a) Sensory

(b) Motor

(c) Both a and b

(d) Mixed

A. Sensory

B. Motor

C. Both A and and B

D. Mixed

Answer: C



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17. Animals with metameric segmentation
bilateral symmetry and closed circulatory
system belong to phylum

A. Annelida

B. Echinodermata

C. Arthropoda

D. Mollusca

Answer: A



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18. External segmentation is absent but internal segmentation is present in

A. Polychaeta

B. Oligochaeta

C. Archiannelida

D. Hirudinea

Answer: C



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19. Bilateral symmetry, blastopore mouth and true coelem occur in

A. Echinodermata

B. Chordata

C. Annelida

D. Platyhelminthes

Answer: C



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20. Which one is correct

A. Flatworms are eucoelomates

B. Fishes are radially symmetrical

C. Birds are poikilothermic

D. Earthworm is metamerically segmented.

Answer: D



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21. Pick up the mismatched

A. Annelida-Hydra

B. Nematihelminthes-Ascaris

C. Arthropoda-Cockroach

D. Echinodermata- Starfish

Answer: A



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22. Sea Mouse belongs to phylum

A. Chordata

B. Mollusca

C. Annelida

D. Echinodermata

Answer: C



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23. Heart to pump blood evolved for the first time in

- A. Annelids
- B. Arthropods
- C. Roundworms
- D. Flatworms

Answer: A



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24. A feature absent in annelids in

A. Clitellum

B. Pseudocoelom

C. Metameric segmentation

D. Nephridia

Answer: B



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25. Which are hermaphrodite ?

A. Ascaris

B. Trichuris

C. Megasclex

D. Enterobius

Answer: C



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26. Which one first evolved in annelida

A. Triploblastic development

B. Bilateral symmetry

C. Cephalisation

D. True coelom

Answer: D



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27. Waste laden cells of oligochaetes and polychaetes are

A. Thesocytes

B. Eleocytes

C. Follicular cells

D. Yellow cells

Answer: D



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28. Which ones are not hermaphrodite ?

A. Polychaetes

B. Leeches

C. Flatworms

D. Earthworm

Answer: A



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29. Trochophore larva occurs in

A. Chiton

B. Nereis

C. Aphrodite

D. All the above

Answer: D



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30. Annelids have a central nerve cord which is

(a) Hollow

(b) Impermeable to K^+ ions

(c) Dorsal

(d) Ventral

A. Hollow

B. Impermeable to K^+ ions

C. Dorsal

D. Ventral

Answer: D



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31. Which one is incorrect ?

A. Oligochaeta-Pheretima

B. Hirudinea-Hirudo

C. Nematoda-Ascaris

D. Polychaeta-Lumbricus

Answer: D



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32. Which one of the following is a matching pair of a body feature and the animal possessing it ?

A. Ventral central nervous system

B. Ventral heart Scorpion

C. Post anal tail Octopus

D. Pharyngeal gill slits absent in embryo
..... Chamelean.

Answer: A





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33. Which of the following is a hermaphrodite ?

A. Ants

B. Earthworms

C. Aphids

D. Cockroach

Answer: B



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34. Which of the following groups of animals have closed circulatory system?

A. Arthropoda

B. Mollusca

C. Nematoda

D. Annelida

Answer: D



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35. Locomotion organs of annelida are

A. Suckers

B. Parapodia

C. Setae

D. All the above

Answer: D



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36. Which is absent in Leech

A. Parapodia

B. Ocelli

C. Clitellum

D. Salivary glands

Answer: A



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37. Match and find the correct combination

- (a) Arenicola (i) Terrestrial leech
(b) Hirudinasia (ii) Marine leech
(c) Pontobdella (iii) Lug worm
(d) Haemodipsa (iv) Fresh water leech

A. (a)-(i),(b)-(ii),(c)-(iii),(d)-(iv)

B. (a)-(iii),(b)-(iv),(c)-(ii),(d)-(i)

C. (a)-(ii),(b)-(iii),(c)-(iv),(d)-(i)

D. (a)-(i),(b)-(iii),(c)-(iv),(d)-(ii)

Answer: B



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38. Phylum annelida includes over

- A. 15,000 species
- B. 9000 species
- C. 60,000 species
- D. 9,00,000 species

Answer: B



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Check Your Grasp

1. Which annelid is bioluminescent ?

- A. Fire worm
- B. Blood Worm
- C. Scale Worm
- D. Earthworm

Answer:



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2. Presence of Tubifex in water body indicates its

A. Purity

B. High salt content

C. Toxic metals

D. Organic loading

Answer:



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3. Pygidium in Nereis represents

- A. Prostomium
- B. Anal segment
- C. Peristomium
- D. Head

Answer:



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4. The term 'annelida' was coined by

A. Lamarck

B. Aristotle

C. Linnaeus

D. Grobber

Answer:



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5. Epitoke of Heteronereis represents

A. Anterior half with enlarged eyes

B. Anterior half with swollen parapodia

C. Swollen posterior half

D. Depressed upper part

Answer:



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6. Nephridiopores of Earthworm occur in all segments except

(a) First

(b) Last

(c) Both first and last

(d) First two and the last

A. First

B. Last

C. Both first and last

D. First two and the last

Answer:



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7. In *Bonellia viridis*, sex is determined by

(a) Nutrition sucker of *Hirudinaria* is made of segments

(b) Genetically

(c) Cytologically

(d) Proximity to female

A. Nutrition sucker of *Hirudinaria* is made of segments

B. Genetically

C. Cytologically

D. Proximity to female

Answer:



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8. Posterior sucker of Hirudinaria is made of segments

(a) One

(b) Three

(c) Five

(d) Seven

A. One

B. Three

C. Five

D. Seven

Answer:



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9. Blood glands of Earthworm are

A. 4 – 6

B. 14 – 16

C. 22 – 26

D. 7,9,12 and 13

Answer:



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10. Peptonephridia of Earthworm are

A. Exonephric

B. Pharyngeal nephridia

C. Septal nephridia

D. Integumentary nephridia

Answer:



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