



## BIOLOGY

### BOOKS - ARIHANT NEET BIOLOGY (HINGLISH)

#### ANIMALIA-II (HIGHER INVERTEBRATES)

#### Check Point 9 1

1. Phylum-Annelida includes invertebrates which have

- A. metameric segmentation
- B. triploblastic body
- C. coelomate organisation
- D. All of the above

**Answer: D**



Watch Video Solution

2. The fleshy appendages of few annelids which bear setae are called

- A. legs
- B. parapodia
- C. cirri
- D. None of these

**Answer: B**

 Watch Video Solution

3. Which one of the following statements is true regarding phylum- Annelida ?

- A. They are radially symmetrical
- B. The coelom is well-developed

C. Digestive tract is incomplete

D. Respiration is anaerobic in free-living forms

**Answer: B**



[Watch Video Solution](#)

4. The respiratory pigment present in Annelida is/are

A. haemoglobin

B. haemocyanin

C. erythrocrucorin

D. Both (a) and (c)

**Answer: D**



[Watch Video Solution](#)

5. Which one of the following structure is not present in phylum-Annelida ?

- A. Nephridia
- B. Stomach
- C. Coelomic sinuses
- D. Cerebral ganglia

**Answer: B**



[Watch Video Solution](#)

6. The eggs of annelids are laid in

- A. ootheca
- B. cocoons
- C. egg cases
- D. All the these

**Answer: D**



**Watch Video Solution**

**7. Class-Archiannelida is characterised by the**

- A. presence of setae
- B. presence of parasodia
- C. presence of both setae and parapodia
- D. absence of both setae and parapodia

**Answer: D**



**Watch Video Solution**

**8. Parapodia are found in**

- A. Oligochaeta

B. Polychaeta

C. Archiannelida

D. Hirudinea

**Answer: B**



**Watch Video Solution**

**9. Aphrodite is commonly known as**

A. lungworm

B. sea fan

C. sea mouse

D. palolo worm

**Answer: C**



**Watch Video Solution**

10. Clitellum is not present in

- A. earthworm
- B. Eurythoe
- C. Tubifex
- D. Lumbriculus

**Answer: B**



[Watch Video Solution](#)

11. How many eyes are present in clamworm ?

- A. One pair
- B. Two pairs
- C. Five pairs
- D. Four pairs

**Answer: B**



**Watch Video Solution**

**12.** Which of the following is the characteristic of the heteronereis phase of Neanthes ?

A. Cirri

B. Epitoke

C. Palps

D. Peristomial tentacles

**Answer: B**



**Watch Video Solution**

**13.** Pheretima belongs to the class



A. Polychaeta

B. Oligochaeta

C. Hirudinea

D. Archiannelida

**Answer: B**

 [Watch Video Solution](#)

**14.** The most common genus of earthworm in India is

A. Lumbricus

B. Pheretima

C. Acanthobdella

D. Megascolex

**Answer: B**

 [Watch Video Solution](#)

15. Leeches are

- A. phytophagous animals
- B. blood sucking animals
- C. insectivorous animals
- D. soil-eating animals

**Answer: B**



[Watch Video Solution](#)

16. The number of segments in Hirudinaria is

- A. 109
- B. 33
- C. 26

D. numerous

**Answer: B**



[Watch Video Solution](#)

17. Clitellium of leech is

A. permanent

B. absent

C. temporary

D. numerous

**Answer: C**



[Watch Video Solution](#)

18. Suckers of leech are located at

- A. anterior and posterior ends of the body anterior end of the body
- B. anterior end of the body
- C. posterior end of the body
- D. all over the body

**Answer: A**



**Watch Video Solution**

**19.** Hirudinaria bears a pair of nephridiopore in each segment of the body from

- A. 4th to 18th segment
- B. 5th to 20th segment
- C. 6th to 22nd segment
- D. 9th to 31st segment

**Answer: C**

 [Watch Video Solution](#)

20. In Hirudinaria

- A. male and female genital pores are present between 2nd and 3rd annuli of 10th and 11th segments
- B. fertilisation is external
- C. cocoon formation does not take place
- D. development is indirect

**Answer: A**

 [Watch Video Solution](#)

**Check Point 9 2**

1. The coxal glands in arachnids serve as

- A. digestive glands
- B. excretory glands
- C. reproductive glands
- D. poison glands

**Answer: B**

 [Watch Video Solution](#)

**2. Trilobites evolved during**

- A. Cambrian
- B. Precambrian
- C. Ordovician
- D. Silurian

**Answer: A**

 [Watch Video Solution](#)

3. A characteristic feature of subphylum-Chelicerata is

- A. first appendage is feeding chelicerae
- B. presence of covering called carapace
- C. presence of four pairs of walking legs
- D. All of the above

**Answer: D**



[Watch Video Solution](#)

4. Limulus belongs to class -

- A. Merostomata
- B. Crustacea
- C. Onychophera

D. Insecta

**Answer: A**



**Watch Video Solution**

5. In *Limulus* (king crab) , the respiratory organs are

A. book lungs

B. book gills

C. tracheae

D. absent

**Answer: B**



**Watch Video Solution**

6. Arachnids possess



A. 3 pairs of legs

B. 4 pairs of legs

C. 5 pairs of legs

D. 6 pairs of legs

**Answer: B**



[Watch Video Solution](#)

7. Peripatus has

A. Both arthropod and roundworm characters

B. parapodia

C. jointed legs

D. haemocyanin

**Answer: B**



[Watch Video Solution](#)

8. Respiratory organs of crustaceans are

- A. lungs
- B. books lungs
- C. tracheae
- D. gills

**Answer: D**



**Watch Video Solution**

9. Which one of the following is known as waterflea ?

- A. Daphnia
- B. Aedes
- C. Laccifer

D. Mysis

**Answer: A**



**Watch Video Solution**

**10.** Scolopendra is a

A. milipede

B. centipede

C. pauropod

D. barnacle

**Answer: B**



**Watch Video Solution**

**11.** The animal having head with one pair of antennae and no eyes is

A. Pauropus

B. Julus

C. Bugs

D. Scolopendra

**Answer: A**



**Watch Video Solution**

**12.** In insects , excretory product is

A. ammonia

B. urea

C. uric acid

D. All of these

**Answer: C**



**Watch Video Solution**

13. Male mosquitoes can be recognised from female mosquitoes by

- A. longer legs
- B. larger heads
- C. their larger bodies
- D. more numerous bristles upon antennae

**Answer: D**



**Watch Video Solution**

14. Johnston's organ is associated with

- A. stigma of housefly
- B. head of housefly
- C. antenna of mosquito

D. intestine of cockroach

**Answer: C**



**Watch Video Solution**

**15.** Mouthparts of mosquito are

A. chewing type

B. sucking type

C. sponging type

D. piercing and sucking type

**Answer: D**



**Watch Video Solution**

**16.** Thorax of larval mosquito is

- A. unsegmented
- B. two-segmented
- C. three-segmented
- D. multi-segmented

**Answer: C**

 [Watch Video Solution](#)

17. Eggs of Culex are found in the form of a

- A. raft
- B. loose clusters
- C. Both (a) and (b)
- D. None of these

**Answer: A**

 [Watch Video Solution](#)

18. Eggs of Anopheles are found

- A. singly with air float
- B. In rafts with air floats
- C. single without air floats
- D. In rafts without air floats

**Answer: A**



[Watch Video Solution](#)

19. Respiratory siphon is found in

- A. larva of housefly
- B. larva of Culex
- C. larva of Anopheles



D. nymph of cockroach

**Answer: B**



[Watch Video Solution](#)

20. Adult Anopheles and Culex mosquitoes can be distinguished by their characteristic

A. colour

B. feeding habit

C. body size

D. sitting posture

**Answer: D**



[Watch Video Solution](#)

1. The common housefly belongs to order

A. Lepidoptera

B. Hemiptera

C. Diptera

D. Homoptera

**Answer: C**



**Watch Video Solution**

2. Which of the following has ommatidia as unit of eye ?

A. Pila

B. Sepia

C. Musca

D. Pheretima

**Answer: C**



**Watch Video Solution**

**3. How many simple ocelli a housefly has ?**

- A. One
- B. Two
- C. Three
- D. Many

**Answer: C**



**Watch Video Solution**

**4. In housefly , pseudotracheae are found in**

- A. rostrum

B. labellum

C. basiproboscis

D. haustellum

**Answer: B**



[Watch Video Solution](#)

5. A pair of claspers with a penis in between is present in .....segment of housefly .

A. 10th

B. 9th

C. 5th

D. 16th

**Answer: B**



[Watch Video Solution](#)

6. Common House fly (*Musca nebulosa*) lays eggs on

- A. stagnant water
- B. hanging ropes
- C. cow/horse dung
- D. open meats and sweets

**Answer: C**



[Watch Video Solution](#)

7. The cells present in the eye of an insect are

- A. cone cells
- B. rods cells
- C. retinular cells
- D. Both (a) and (c)

**Answer: D**



**Watch Video Solution**

**8. Rhodome in the eye of insect is formed of**

- A. retinal cells
- B. corneal cells
- C. reticular cells
- D. ciliary cells

**Answer: C**



**Watch Video Solution**

**9. The two pigment sheaths of eye in insects are responsible for**

- A. separation of ommatidia and adsorption of light

B. processing of light entering in the eye

C. daytime vision

D. night time vision

**Answer: A**



**Watch Video Solution**

**10.** The image formed in insect eye is

A. mosaic image

B. superpositional image

C. convex image

D. Both (a) and (b)

**Answer: D**



**Watch Video Solution**

1. When juvenile resembles adults except in size , sex organs or armature , this is

- A. gradual metamorphosis
- B. incomplete metamorphosis
- C. complete metamorphosis
- D. None of these

**Answer: D**



[Watch Video Solution](#)

2. Hemi-metabolus arthropods are

- A. dragonflies
- B. butterfly



C. grasshopper

D. termites

**Answer: A**



**Watch Video Solution**

**3. Silk is obtained from**

A. *Bombyx mori*

B. *Apis mellifera*

C. *Laccifer lacca*

D. None of these

**Answer: A**



**Watch Video Solution**

4. Cantharidine oil , which prevents hair loss is extracted from

- A. Honey bee
- B. Blister beetles
- C. Lac insects
- D. Maxillae

**Answer: B**



[Watch Video Solution](#)

5. The common predator insect is

- A. praying mantis
- B. lady bird
- C. dragonflies
- D. All of these

**Answer: D**



**Watch Video Solution**

**6. The insect acting as scavengers does not include**

A. fleas

B. housefly

C. blowfly

D. honeybee

**Answer: D**



**Watch Video Solution**

**7. Choose the incorrect match .**

A. *Pyrausta* larvae - corn borer

- B. Nephrotettix - rice leaf hopper
- C. Leptocorisa- pest of rice and millet
- D. Apis indica - sugarcane leaf hopper

**Answer: D**



[Watch Video Solution](#)

**8. Squash bug is a destructive pest of**

- A. ladyfinger
- B. cucurbitous plants
- C. apple
- D. All of these

**Answer: B**



[Watch Video Solution](#)

9. Which of the following acts as a vector for disease ?

- A. Anopheles
- B. Culex
- C. Aedes
- D. All of these

**Answer: D**



**Watch Video Solution**

10. Phlebotomus is responsible for spreading

- A. dumdum fever
- B. oriental sores
- C. kala-azar
- D. All of these

**Answer: D**



[Watch Video Solution](#)

### Check Point 9 5

1. The scientific study of Mollusca is called

- A. Conchology
- B. Moluscology
- C. Sheel Biology
- D. Malacology

**Answer: D**



[Watch Video Solution](#)

2. Mostly molluscs are

A. bilaterally symmetrical

B. radial symmetrical

C. asymmetrical

D. None of these

**Answer: A**



[Watch Video Solution](#)

3. ....secretes shell of Mollusca .

A. Gills

B. Foot

C. Mantle wall

D. Tentacles

**Answer: C**



[Watch Video Solution](#)

4. Many molluscs have a water-testing organ present in the mantle cavity , this is called

- A. statocyst
- B. osphradium
- C. tentaculocyst
- D. amphid

**Answer: B**



[Watch Video Solution](#)

5. The basis of classification of phylum-Mollusca is

- A. shell
- B. foot
- C. mantle



D. All of these

**Answer: D**



[Watch Video Solution](#)

6. Under which of the following groups is Neopilina included ?

A. Amphineura

B. Monoplacophora

C. Polyplacophora

D. Scaphopoda

**Answer: B**



[Watch Video Solution](#)

7. Animals having .....are termed as Polyplacophora .

- A. two shells
- B. one shell
- C. many shells
- D. eight shell pieces

**Answer: D**

 [Watch Video Solution](#)

**8. Dentalium belongs to the class**

- A. Amphineura
- B. Monoplacophora
- C. Scaphopoda
- D. Gastropoda

**Answer: C**

 [Watch Video Solution](#)

9. Class.....includes snail , slug and limpets .

- A. Cephalopoda
- B. Scaphopoda
- C. Gastropoda
- D. Lamellibranchiata

**Answer: C**



[Watch Video Solution](#)

10. Foot is present in the form of oral arms in

- A. Pelecypoda
- B. Scaphopoda
- C. Cephalopoda

D. Gastropoda

**Answer: C**



[Watch Video Solution](#)

## Check Point 9 6

1. Echinoderms are considered to be the most evolved invertebrates because they

- A. are schizocoelic
- B. are enterocoelic
- C. have a great power of regeneration
- D. show resemblance with chordates in their adult stage

**Answer: B**



[Watch Video Solution](#)

2. Which of the following is absent in phylum-Echinodermata ?

- A. Coelom
- B. Vascular system
- C. Excretory organs
- D. Respiratory organs

**Answer: C**



**Watch Video Solution**

3. Asterias is/has

- A. uricotelic
- B. ammonotelic
- C. ureotelic
- D. waste product as guanine

**Answer: B**



**Watch Video Solution**

**4. Nervous system of echinoderms comprises**

- A. radial nerve cord
- B. presence of brain
- C. lateral nerve cord
- D. chain of ganglia

**Answer: A**



**Watch Video Solution**

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

- A. autolysis

B. autophagy

C. autotomy

D. autogamy

**Answer: C**



**Watch Video Solution**

**6. Ambulacral grooves are absent in the living forms of the class**

A. Asteroidea

B. Echinoidea

C. Ophiuroidea

D. All of these

**Answer: C**



**Watch Video Solution**

7. In which class of Echinodermata , a pluteus larva is formed ?

- A. Crinoidea
- B. Echinoidea
- C. Asteroidea
- D. Holothuroidea

**Answer: B**



**Watch Video Solution**

8. Sand dollars , heart urchins and sea urchins are present in which of the following class ?

- A. Holothuroidea
- B. Asteroidea
- C. Crinoidea
- D. Echinoidea



**Answer: D**



[Watch Video Solution](#)

9. ....has no arms , no spines but has an oral and aboral axis .

- A. Echinoidea
- B. Holothuroidea
- C. Crinoidea
- D. Asteroidea

**Answer: B**



[Watch Video Solution](#)

10. Sedentary echinoderms are grouped under class

- A. Crinoidea

B. Ophiuroidea

C. Echinoidea

D. Holothuridea

**Answer: A**



**Watch Video Solution**

## Chapter Exercises A Taking It Together Assorted Questions Of The Chapter For Advanced Level Practice

1. Annelids are

A. flatworms

B. roundworms

C. six-legged invertebrates

D. segmented worms

**Answer: D**



**Watch Video Solution**

2. ....fills the body cavity of annelids .

A. Haemolymph

B. Blood

C. Coelomic fluid

D. Plasma

**Answer: C**



**Watch Video Solution**

3. Locomotory organs are .....in Oligochaeta .

A. parapodia

B. setae

C. Both (a) and (b)

D. tube feet

**Answer: B**



**Watch Video Solution**

**4. The members of class-Holothuroidea lack**

A. pedicellariae

B. ambulacral grooves

C. spines

D. All of these

**Answer: D**



**Watch Video Solution**

5. In Nereis , gaseous exchange takes place through

- A. skin
- B. gills
- C. lungs
- D. parapodia

**Answer: D**



[Watch Video Solution](#)

6. Peristomium in Nereis is composed of embryonic segments

- A. four
- B. two
- C. three
- D. six

**Answer: D**



**Watch Video Solution**

**7. Tube dwelling polychaetes are known as**

- A. burrowing
- B. planktonic
- C. pelagic
- D. tubicolous

**Answer: D**



**Watch Video Solution**

**8. Paddle worm amongst following is**

- A. Areneicola

B. Chaetopterus

C. Sabella

D. Amphitrite

**Answer: B**



**Watch Video Solution**

9. Oxygen carrying blood pigment of earthworm is

A. haemocyanin

B. haemoglobin

C. haemoerythrin

D. chlorocruorin

**Answer: B**



**Watch Video Solution**

10. Pheretima is

- A. sterile
- B. hermaphrodite
- C. radially symmetrical
- D. dioecious

**Answer: B**



[Watch Video Solution](#)

11. Excretory organs of an earthworm are

- A. nephridia
- B. flame cells
- C. Malpighian tubules
- D. green glands



**Answer: A**



**Watch Video Solution**

**12. Velum is present in**

- A. Pheretima
- B. Ascaris
- C. Hirudinaria
- D. All of these

**Answer: C**



**Watch Video Solution**

**13. ....has no arms , no spines but has no oral and aboral axis ,**

- A. Echinoidea

B. Holothuroidea

C. Crinoidea

D. Asteroidea

**Answer: B**



**Watch Video Solution**

**14.** Haemocoelomic system is the circulatory system of

A. Polynoe

B. Aphrodite

C. Leech

D. None of these

**Answer: C**



**Watch Video Solution**

15. Suctorial mouth occurs in

- A. Pheretima
- B. Leech
- C. Taenia
- D. Ascaris

**Answer: B**



**Watch Video Solution**

16. The largest phylum of Animalia , that includes insects is

- A. Arthropoda
- B. Aschelminthes
- C. Porifera
- D. Annelida

**Answer: A**



**Watch Video Solution**

**17. Appendages in the member of phylum - Arthropoda are**

- A. branched
- B. jointed
- C. reduced
- D. vestigial

**Answer: B**



**Watch Video Solution**

**18. Body cavity of mosquito is**

- A. pseudocoel

B. schizocoel

C. enterocoel

D. haemocoel

**Answer: D**



**Watch Video Solution**

**19. Respiratory organs in arthropods include**

A. book-gills

B. book-lungs

C. tracheal system

D. All of these

**Answer: D**



**Watch Video Solution**

20. Tracheal gills are present in the larva of

- A. housefly
- B. butterfly
- C. mosquito
- D. cockroach

**Answer: C**



**Watch Video Solution**

21. In arthropods , excretion takes place through the

- A. flame cells
- B. Malpighian tubules
- C. gills
- D. tube feet

**Answer: B**



[Watch Video Solution](#)

**22.** In arthropods , fertilisation is usually

- A. internal
- B. external
- C. absent
- D. Either (b) or (c)

**Answer: A**



[Watch Video Solution](#)

**23.** Which of the following is a living fossil ?

- A. Limulus

B. Loligo

C. Echinus

D. Ophiura

**Answer: A**



**Watch Video Solution**

**24.** Which one of the following is not an Arachnida ?

A. Spider

B. Tick

C. Mite

D. Lice

**Answer: D**



**Watch Video Solution**



25. In which class of Echinodermata stalk is found for attachment with substratum ?

- A. Crinoidea
- B. Echinoidea
- C. Asteroidea
- D. Holothuroidea

**Answer: A**



[Watch Video Solution](#)

26. The bilateral member showing pentaradial symmetry is

- A. Nautilus
- B. Neometra
- C. Neomenia
- D. Neopilina

**Answer: B**



**Watch Video Solution**

**27.** The proboscis sheath in mosquito is

A. labrum

B. maxilla

C. labium

D. mandibles

**Answer: C**



**Watch Video Solution**

**28.** Pupa occurs in the life cycle of

A. housefly

B. mosquito

C. butterfly

D. All of these

**Answer: D**



**Watch Video Solution**

**29.** Young one of mosquito formed by metamorphosis of pupa is called

A. nymph

B. maggot

C. imago

D. caterpillar

**Answer: C**



**Watch Video Solution**

30. Wiggler is the larva of

- A. housefly
- B. butterfly
- C. cockroach
- D. mosquito

**Answer: D**



**Watch Video Solution**

31. Female Anopheles lays eggs in

- A. water
- B. dung
- C. dark places
- D. moist soil

**Answer: A**



**Watch Video Solution**

**32.** Spotted wings are present in

- A. Aedes
- B. Culex
- C. Anopheles
- D. Phlebotomus

**Answer: C**



**Watch Video Solution**

**33.** In the life cycle of mosquito, comma-shaped stage is

- A. pupal stage

B. larval stage

C. imago stage

D. None of these

**Answer: A**



**Watch Video Solution**

**34.** Larva of mosquito is adapted for living in

A. soil

B. dung

C. water

D. vegetation

**Answer: C**



**Watch Video Solution**

35. Respiratory system in larval mosquito is

- A. propneustic
- B. metaneustic
- C. amphipneustic
- D. holopneustic

**Answer: B**



[View Text Solution](#)

36. Larvae of mosquito are

- A. saprophagous
- B. bottom feeders
- C. surface feeders
- D. Both (b) and (c)

**Answer: D**



**Watch Video Solution**

**37.** The mouthparts of mosquito do not include

- A. antennae
- B. labium
- C. mandible
- D. labrum

**Answer: A**



**Watch Video Solution**

**38.** The hind pair wings of mosquitoes are represented by

- A. pulvilli



B. scutella

C. elytra

D. halteres

**Answer: D**



**Watch Video Solution**

**39. Antennae are more hairy in**

A. female Culex

B. female Anopheles

C. Both (a) and (b)

D. None of these

**Answer: D**



**Watch Video Solution**

40. Mouthparts in housefly are

- A. sponging type
- B. siphoning type
- C. mandibulate type
- D. biting and chewing type

**Answer: A**



**Watch Video Solution**

41. The middle part of proboscis of housefly is known as

- A. labellum
- B. rostrum
- C. oral disc
- D. haustellum

**Answer: D**



**Watch Video Solution**

**42. Maxillary palp in housefly is**

- A. unsegmented
- B. 3-segmented
- C. 5-segmented
- D. absent

**Answer: A**



**Watch Video Solution**

**43. The largest segment in the body of the housefly is**

- A. prothorax

B. mesothorax

C. metathorax

D. first abdominal segment

**Answer: B**



[Watch Video Solution](#)

**44.** Total number of segments in first instar larva of housefly is

A. nine

B. ten

C. thirteen

D. twenty

**Answer: C**



[Watch Video Solution](#)

45. During development , larval housefly moults

- A. once
- B. twice
- C. many times
- D. irregular

**Answer: B**



**Watch Video Solution**

46. The number of larval instars in the life history of housefly is

- A. one
- B. two
- C. three
- D. four

**Answer: C**



**Watch Video Solution**

**47.** The outermost covering of the egg of housefly is

- A. chitin
- B. chorion
- C. vitelline membrane
- D. plasma membrane

**Answer: B**



**Watch Video Solution**

**48.** Under optimum condition , eggs of housefly hatch in

- A. 1-2 weeks

B. 1-2 hours

C. 1-2 days

D. 12-24 hours

**Answer: D**



**Watch Video Solution**

**49.** The wings of housefly are located on

A. prothorax

B. mesothorax

C. metathorax

D. cephalothorax

**Answer: B**



**Watch Video Solution**

50. An arthropode , which acts as a gregarious pest is

- A. Apis
- B. Anopheles
- C. Locusta
- D. Laccifer

**Answer: C**



**Watch Video Solution**

51. Scientific name of oak silkworm is

- A. Bombyx mori
- B. Attacus rechini
- C. Antheraea roylet
- D. Antheraea assamensis



**Answer: C**



**Watch Video Solution**

**52.** Maximum number of economically important species is in the class

- A. Insecta
- B. Crustacea
- C. Chilopoda
- D. Diplopoda

**Answer: A**



**Watch Video Solution**

**53.** The antennae present in housefly are

- A. pilose

B. filiform

C. plumose

D. aristate

**Answer: D**



[Watch Video Solution](#)

**54.** The term Mollusca was proposed by

A. Johnson in 1680

B. Johnston in 1650

C. Hutchinson in 1750

D. Copeland in 1720

**Answer: B**



[Watch Video Solution](#)

55. Body of molluscs is covered by

- A. chitinous exoskeleton
- B. siliceous spicules
- C. calcareous shell
- D. pellicle

**Answer: C**



[Watch Video Solution](#)

56. In molluscs , the digestive tract is

- A. absent
- B. complete
- C. incomplete
- D. None of these

**Answer: B**



**Watch Video Solution**

**57.** The mouth of the molluscs bears transverse rows of minute chitinous teeth called

A. matula

B. chitinula

C. radula

D. macula

**Answer: C**



**Watch Video Solution**

**58.** Mollusca has.....type of vascular system .

- A. reduced
- B. open
- C. closed
- D. None of these

**Answer: B**



**Watch Video Solution**

**59.** The blood of the molluscs has a copper containing blue respiratory pigment called

- A. haemoerythrin
- B. haemocyanin
- C. haemoglobin
- D. haemocreatinine

**Answer: B**

 [Watch Video Solution](#)

60. Pericardial gland of Unio is called

- A. Johnston's organ
- B. organ of Bojanus
- C. Keber's organ
- D. None of these

**Answer: C**

 [Watch Video Solution](#)

61. Molluscs undergo....type of reproduction .

- A. asexual
- B. sexual
- C. Both (a) and (b)

D. None of these

**Answer: B**



**Watch Video Solution**

**62.** The culture of molluscs can be studied under

A. pisciculture

B. sericulture

C. aquaculture

D. apiculture

**Answer: C**



**Watch Video Solution**

**63.** In Scaphopoda , the foot is

- A. shoe-shaped
- B. hatcher-shaped
- C. dome-shaped
- D. boat-shaped

**Answer: D**

 [Watch Video Solution](#)

**64.** .....has/have amphibious type of respiration .

- A. Lamellidens
- B. Pila
- C. Chiton
- D. Unio

**Answer: B**

 [Watch Video Solution](#)



65. 8-shaped nervous system belongs to

- A. Pila
- B. Unio
- C. Anadonta
- D. All of these

**Answer: A**



**Watch Video Solution**

66. Glochidium and Veliger both are the larval forms of

- A. Pila
- B. Nereis
- C. Asterias

D. Bivalves

**Answer: D**



[Watch Video Solution](#)

67. The main component of pearl is

A.  $NaHCO_3$

B.  $CaCO_3$

C. chitin

D. conchiolin

**Answer: B**



[Watch Video Solution](#)

68. The most precious Asian pearl is produced by

A. Pinctada

B. Meleagrina

C. Unio

D. Helix

**Answer: A**



[Watch Video Solution](#)

**69.** The most evolved molluscs are

A. Cephalopoda

B. gastropods

C. scaphopods

D. None of these

**Answer: A**



[Watch Video Solution](#)

70. Which of the following do not have myogenic heart ?

- A. Man
- B. Unio
- C. Frog
- D. All of these

**Answer: B**



[Watch Video Solution](#)

71. Molluscs without shells are present in

- A. polyplacophores
- B. Cephalopoda
- C. monoplacophores

D. Scaphopoda

**Answer: B**



[Watch Video Solution](#)

72. Foot is present in the form of tentacles in

A. Pelecypoda

B. Scaphopoda

C. Cephalopoda

D. Gastropoda

**Answer: C**



[Watch Video Solution](#)

73. The animal causing holes in boats and ship, thus referred as threat to ship industry is

- A. Pinctada
- B. Neopilina
- C. Doris
- D. Teredo

**Answer: D**



[Watch Video Solution](#)

74. Jet propulsion is the mode of locomotion in

- A. dogfish
- B. starfish
- C. jellyfish
- D. cuttlefish

**Answer: D**



[Watch Video Solution](#)

**75.** Which of the following molluscs were formerly used as currency (money) since ancient time ?

A. Pila

B. Turbinella

C. Octopus

D. Cypraea

**Answer: D**



[Watch Video Solution](#)

**76.** The name Echinodermata was coined by

A. Leuckart

B. Robert Grant

C. Goldfuss

D. Jacob Klein

**Answer: D**



**Watch Video Solution**

77. The echinoderms are related to chordates by their similarity in the development of

A. gut

B. nerve

C. coelom

D. heart

**Answer: C**



 [Watch Video Solution](#)

78. An animal that transforms from bilateral to radial symmetry in its history is

- A. Hydra
- B. Obelia
- C. sponge
- D. starfish

**Answer: D**

 [Watch Video Solution](#)

79. The water vascular system in echinoderms is composed of a porous diaphragm called

- A. stone canal

B. ring canal

C. lateral canal

D. madreporite

**Answer: D**



**Watch Video Solution**

**80. Blastopore of the embryo of starfish forms**

A. anus of larva

B. mouth of adult

C. madreporite

D. poilian vesicle

**Answer: A**



**Watch Video Solution**

81. Autotomy in a starfish is followed by

- A. degeneration
- B. regeneration
- C. autolysis
- D. All of these

**Answer: B**



[Watch Video Solution](#)

82. The echinoderms have .....development .

- A. incomplete
- B. direct
- C. indirect
- D. parthenogenetic

**Answer: C**



**Watch Video Solution**

**83.** Equal radial parts of starfish are

A. actinomeres

B. tube feet

C. oral arms

D. spines

**Answer: A**



**Watch Video Solution**

**84.** The echinoderms have an enterocoelom made from the digestive tube which is lined by a

- A. flagellated perineum
- B. ciliated peritoneum
- C. ciliated mesoderm
- D. flagellated pericardium

**Answer: B**

 [Watch Video Solution](#)

**85.** The formation of mesoderm as evaginated sacs from the archenteron is characteristic of

- A. Pila
- B. Pentaceros
- C. Physalia
- D. Palamnaeus

**Answer: B**



[Watch Video Solution](#)

86. The porous plate present in the aboral side of starfish is

- A. umbelicus
- B. genital pore
- C. madreporite
- D. mouth

**Answer: C**



[Watch Video Solution](#)

87. Closed blood vascular system , liver cells in the blood and chitinous setae or parapodia are the characteristics of

- A. Annelida
- B. Protozoa

C. Nematoda

D. None of these

**Answer: A**



**Watch Video Solution**

**88.** Which among the following is the body organisation of Annelida ?

A. Cellular

B. Acellular

C. Tissue level

D. Organ system level

**Answer: D**



**Watch Video Solution**

**89.** The aboral surface of Antedon bears

- A. cylindrical appendages called cirri
- B. a disc called pinnule
- C. oral arms called tentacles
- D. ambulacral grooves for gripping the substratum

**Answer: A**



**Watch Video Solution**

**90.** Members of which phylum exhibit adaptations to widely varied environmental conditions ?

- A. Annelida
- B. Platyhelminthes
- C. Aschelminthes
- D. Cnidaria



**Answer: A**



**Watch Video Solution**

**91.** In annelids , the nephridia which open outside the nephridiophores are called

- A. micronephric
- B. enteronephric
- C. metanephric
- D. exonephric

**Answer: D**



**Watch Video Solution**

**92.** Which one of the following larvae is shared by both annelids and molluscs ?

A. Glochidium

B. Tornaria

C. Trochophore

D. Planula

**Answer: C**



**Watch Video Solution**

**93.** Animals having multiple or numerous setae are included under

A. Polychaeta

B. Oligochaeta

C. Hirudinea

D. Onychophora

**Answer: A**



**Watch Video Solution**

94. Nereis is differentiated from earthworm on the basis of

- A. head
- B. parapodia
- C. clitellum
- D. All of these

**Answer: D**



**Watch Video Solution**

95. In Nereis , swarming occurs at night for

- A. copulation
- B. shedding of sperms and ova
- C. attaining sexual maturity

D. None of the above

**Answer: B**



[Watch Video Solution](#)

**96.** Puncturing elements in mouthparts of female Anopheles are

A. labrum and labium

B. mandible and labium

C. maxillae and mandibles

D. hypopharynx and labium

**Answer: C**



[Watch Video Solution](#)

**97.** Which mouthparts occur in female Anopheles , but not in male ?

A. Proboscis

B. Mandibles

C. Maxillae

D. Antennae

**Answer: B**



**Watch Video Solution**

**98.** Which one of the following genus of insects prefers to breed in clean water and their larvae lie parallel to the surface of water ?

A. Anopheles

B. Culex

C. Phlebotomus

D. Aedes

**Answer: A**



[Watch Video Solution](#)

99. Which type of mouthparts , mosquito larva possesses ?

- A. Lapping
- B. Sponging
- C. Cutting and chewing
- D. Piercing and sucking

**Answer: C**



[Watch Video Solution](#)

100. Which of the following is the respiratory organ in wriggler ?

- A. Trachea
- B. Spiracles
- C. Integument

D. Respiratory siphon

**Answer: A**



**Watch Video Solution**

**101.** What is common between mosquito and cockroach ?

- A. Both feed on liquid food
- B. Both have pupal stages
- C. Both have simple eyes
- D. Both are nocturnal

**Answer: D**



**Watch Video Solution**

**102.** Male and female adult Culex can be indentified by their

- A. body size
- B. length of wings
- C. length of proboscis
- D. lengths of maxillary palps

**Answer: D**

 [Watch Video Solution](#)

**103.** In Hirudinaria , there are no special organs for

- A. digestion
- B. excretion
- C. respiration
- D. reproduction

**Answer: C**

 [Watch Video Solution](#)



**104.** Which one of the following are not hermaphrodite animals

A. Polychaetes

B. Flatworms

C. Leeches

D. Earthworm

**Answer: A**



**Watch Video Solution**

**105.** Chitinous plates making the exoskeleton in arthropods are called

A. tergites

B. sternites

C. pleurites

D. sclerites

**Answer: D**



**Watch Video Solution**

**106.** The balancing organ equal to our ear in aquatic arthropods as in prawn is

A. otolith

B. lateral line organ

C. otocyst

D. statocyst

**Answer: D**



**Watch Video Solution**

107. The characters like hard exoskeleton , cephalothorax , gills for respiration are present in which of the following ?

- A. Insecta
- B. Myriapoda
- C. Crustacea
- D. Polychaeta

**Answer: C**



[Watch Video Solution](#)

108. Shrimps , crayfish and lobsters belong to the class

- A. Insecta
- B. Crustacea
- C. Arachinda
- D. Chilopoda

**Answer: B**



**Watch Video Solution**

**109.** The common house-cricket , which produces the familiar sound with its stridulating organs is

A. Gryllus (Acheta)

B. locust

C. Lepisma

D. praying mantis

**Answer: A**



**Watch Video Solution**

**110.** What is the origin of the coelom duct in Nereis ?

- A. Germinal
- B. Ectodermal
- C. Mesodermal
- D. Endodermal

**Answer: C**

 [Watch Video Solution](#)

**111.** Among annelids , great power of regeneration is observed in

- A. Chaetopterus
- B. Polynoe
- C. Hirudinaria
- D. Lumbricus

**Answer: A**

 [Watch Video Solution](#)

112. The animal which does not show any metamorphosis of larval stage is

A. *Pheretima posthuma*

B. *Ascaris*

C. *Musca domestica*

D. Butterfly

**Answer: A**



[Watch Video Solution](#)

113. In which of the following class of Annelida, one pair ovaries and several pair testes are found

A. Archiannelida

B. Hirudinea

C. Oligochaeta

D. Polychaeta

**Answer: B**



[Watch Video Solution](#)

**114.** A temporary clitellum is formed in Hirudinaria on the segment

A. 7-9th

B. 9-11 th

C. 11-13 th

D. None of these

**Answer: B**



[Watch Video Solution](#)

**115.** An annelid in which internal fertilisation occurs , is

A. Hirudinaria

B. Eunice

C. Polygordius

D. Neanthes

**Answer: A**



[Watch Video Solution](#)

**116.** Open type of circulatory system is found in few members of class

A. Oligochaeta

B. Polychaeta

C. Archiannelida

D. Hirudinea

**Answer: D**



[Watch Video Solution](#)



117. Which of the following anticoagulants does Leech secrete ?

- A. Hirudin
- B. Heparin
- C. Serotonin
- D. Histamine

**Answer: A**



[Watch Video Solution](#)

118. Which one of the following is totally absent in the mouthparts of housefly ?

- A. Labrum
- B. Labium
- C. Mandibles

D. Hypopharynx

**Answer: C**



[Watch Video Solution](#)

**119.** Which one of the following is not used in the locomotion of housefly larva ?

A. Ptilinum

B. Anal lobes

C. Mandibular sclerites

D. Spiniferous pads

**Answer: A**



[Watch Video Solution](#)

120. Equivalent to eye lens of human eye , each ommatidium of insect has

- A. retinal cells
- B. rhabdome
- C. cone cells
- D. All of these

**Answer: B**



**Watch Video Solution**

121. Which of the following is not an economically important insect ?

- A. Apis
- B. Bombyx
- C. Locusta
- D. Laccifer

**Answer: C**



**Watch Video Solution**

**122.** Which of the following feeds upon detritus and plankton ?

- A. Sea urchin
- B. Feather star
- C. Sea cucumber
- D. Brittle star

**Answer: C**



**Watch Video Solution**

**123.** Which one of the following is not a lepidopteran insect pest ?

- A. Jute semilooper

- B. Gramcut worm
- C. Sugarcane borer
- D. Sugarcane white fly

**Answer: D**



[Watch Video Solution](#)

**124.** The scientific name of the brown plant hopper is

- A. Nilaparvata lugens
- B. Carausius morosus
- C. Helicoverpa armigera
- D. Calliphora erythrocophala

**Answer: A**



[Watch Video Solution](#)

125. In the members of phylum- Mollusca , the anterior head region has

- A. sensory tentacles
- B. sharp hook
- C. sticky disc
- D. radula

**Answer: A**



**Watch Video Solution**

126. Haemocyanin, the blue coloring pigment of molluscan blood contains

- A. iron
- B. magnesium
- C. copper
- D. manganese

**Answer: C**



**Watch Video Solution**

**127.** What are the respiratory organs of molluscs ?

- A. Gills or ctenidia
- B. Mantle
- C. Pulmonary sac
- D. All of these

**Answer: D**



**Watch Video Solution**

**128.** In the mantle cavity , feather-like gills are present , which have

- A. masticatory function

B. respiratory function

C. excretory function

D. Both (b) and (c)

**Answer: D**



**Watch Video Solution**

**129.** Which of the following is found in Mollusca ?

A. Madreporite

B. Tube feet

C. Tiedemann's body

D. Osphradium

**Answer: D**



**Watch Video Solution**



**130.** What is the function of statocyst of snail ?

- A. Tasting
- B. Locomotory
- C. Equilibrium
- D. Reproductive

**Answer: C**



**Watch Video Solution**

**131.** The characteristic larva formed in case of indirect development in molluscs is called

- A. Glochidium
- B. trochophore
- C. veliger
- D. All of these

**Answer: D**



[Watch Video Solution](#)

**132.** Torsion and detorsion are characteristic features in

- A. Mollusca
- B. Arthropoda
- C. Annelida
- D. Protozoa

**Answer: A**



[Watch Video Solution](#)

**133.** The mollusc which is considered to be a living fossil and also shows characters of annelids like nephridia and internal segmentation is

A. Pinctada vulgaris

B. Nautilus

C. Neopilina

D. None of these

**Answer: C**



**Watch Video Solution**

**134.** Elephant's tusk shell belongs to the class

A. Monoplacophora

B. Scaphopoda

C. Gastropoda

D. Pelecypoda

**Answer: B**



**Watch Video Solution**

**135.** The molluscan which is dioecious with a single gonad and trochophore larva in its life history is

A. Octopus

B. Sepia

C. Dentalium

D. Loligo

**Answer: C**



**Watch Video Solution**

**136.** Torsion is a characteristic in Pila belonging to class

A. Pelecypoda

B. Scaphopoda

C. Gastropoda

D. Amphineura

**Answer: C**



**Watch Video Solution**

**137.** The most important characteristic feature of gastropod molluscs is

A. ventral muscular and massive foot

B. vertebrate-like eyes

C. head well-formed

D. radula absent

**Answer: A**



**Watch Video Solution**

138. Hatchet-shaped foot , extending between the mantle lobes , are present in

- A. Pelecypoda
- B. Scaphopoda
- C. Gastropoda
- D. Amphineura

**Answer: A**



[Watch Video Solution](#)

139. Which of the following cephalopods possesses an external shell ?

- A. Octopus
- B. Sepia
- C. Nautilus
- D. Loligo

**Answer: C**



**Watch Video Solution**

**140.** From which of the following , head and tentacles of Cephalopoda are derived ?

A. Foot

B. Visceral mass

C. Mantle

D. All of these

**Answer: A**



**Watch Video Solution**

**141.** Ammonites fossil shell remains of

A. Cephalopoda

B. gastropods

C. Scaphopoda

D. Pelecypoda

**Answer: A**



**Watch Video Solution**

**142.** Echinoderms are heartless , brainless , headless , yet from evolutionary point of view , they have been placed on the top of the invertebrate phyla because of

A. power of reproduction

B. power of regeneration

C. presence of enterocoel

D. exclusively marine habitat



**Answer: C**



**Watch Video Solution**

**143.** In which of the following only echinoderms are found ?

- A. Freshwater
- B. Estuarine
- C. Brackish water system
- D. Sea water

**Answer: D**



**Watch Video Solution**

**144.** The endoskeleton of echinoderms is unique with respect to other invertebrates by being...in origin .

A. ectodermal

B. mesodermal

C. endodermal

D. mesoendodermal

**Answer: B**



[Watch Video Solution](#)

**145.** Diagnostic character of the phylum Echinodermata is the presence of

A. spiny skin

B. pedicellariae

C. water vascular system

D. All of these

**Answer: D**



[Watch Video Solution](#)

**146.** A special feature of evisceration , i.e., ejection of viscera like stomach is found in

- A. Annelida
- B. Echinodermata
- C. Chordata
- D. Coelenterata

**Answer: C**



**Watch Video Solution**

**147.** Which one is the common ancestral larval form of echinoderms , hemichordates and chordates ?

- A. Dipleurula
- B. Bipinnaria

C. Tornaria

D. Trochophore

**Answer: A**



**Watch Video Solution**

**148.** Cephalisation is absent in

A. molluscs

B. Echinoderms

C. Both (a) and (b)

D. Arthropods

**Answer: B**



**Watch Video Solution**

149. Which of the following traits is not characteristics of echinoderms ?

- A. Water vascular system
- B. Trochophore larva
- C. Tube feet
- D. Enterocoel

**Answer: B**



[Watch Video Solution](#)

150. In which class of Echinodermata , bipinnaria larva is found ?

- A. Crinoidea
- B. Pentameria
- C. Asteroidea
- D. Holothuroidea

**Answer: C**



**Watch Video Solution**

**151.** In which of the animal , the stomach comes out of the body , feeds and digest food outside the body ?

A. Pila

B. Freshwater mussel

C. Leech

D. starfish

**Answer: D**



**Watch Video Solution**

**152.** Which echinoderm among the following yields a calcium rich fertiliser in its dried and powdered form ?

A. Sea urchin

B. Cucumaria

C. Starfish

D. Holothuria

**Answer: C**



**Watch Video Solution**

**153.** Which of the following is not a part of ambulacral system of a starfish ?

A. Ring canal

B. Madreporite

C. Radial canal

D. Excurrent canal

**Answer: D**

 [Watch Video Solution](#)

154. The animal acquires an adult secondarily radial symmetry when its bilaterally symmetrical larva undergoes metamorphosis .

- A. Pila
- B. Gorgonia
- C. Gorgonocephalus
- D. Polygordius

**Answer: C**

 [Watch Video Solution](#)

155. Which of the following animal phyla belongs to Deuterostomia ?

- A. Annelida
- B. Parazoa



C. Mollusca

D. Echinodermata

**Answer: D**



[Watch Video Solution](#)

**156.** Common characteristics of cockroach , housefly and mosquito are

A. compound and simple eyes

B. one pair of wings and halteres

C. three pairs of legs and one pair of antennae

D. two pairs of legs and two compound eyes

**Answer: C**



[Watch Video Solution](#)

157. Larva of Culex mosquito floats in water

- A. vertically with head upwards and tail downwards
- B. vertically with head downwards and tail upwards
- C. horizontally with both ends submerged in water
- D. horizontally with tail end exposed to air

**Answer: B**



[Watch Video Solution](#)

158. Female Anopheles can be distinguished from female Culex because it sits

- A. at right angles to surface of substratum
- B. parallel to surface of substratum
- C. at an angle with substratum
- D. None of the above

**Answer: C**



**Watch Video Solution**

**159.** Anopheles larva differs from that of Culex in having

- A. a developed respiratory siphon
- B. two respiratory siphon
- C. no respiratory siphon
- D. None of the above

**Answer: C**



**Watch Video Solution**

**160.** Larva of Anopheles is a

- A. surface feeder with long and conical respiratory siphon

- B. surface feeder with undeveloped respiratory siphon
- C. bottom feeder with undeveloped respiratory siphon
- D. bottom feeder with long and conical respiratory siphon

**Answer: B**



**Watch Video Solution**

**161.** Which function does the coelom duct perform in Nereis ?

- A. Respiratory and excretory
- B. Secretory and excretory
- C. Nutritive and locomotory
- D. Reproductive and excretory

**Answer: D**



**Watch Video Solution**

**162.** Which of the following annelids is dioecious ?

A. Pheretima

B. Eisenia

C. Nereis

D. Lumbricus

**Answer: C**



**Watch Video Solution**

**163.** Trochophore larva is associated with the classes .....of Annelida .

A. Polychaeta and Oligochaeta

B. Polychaeta and Hirudinea

C. Polychaeta and Archiannelida

D. Hirudinea and Archiannelida

**Answer: B**



**Watch Video Solution**

**164.** Which one of the following characterises Heteronereis stage of Nereis ?

- A. Very active asexual stage
- B. Quite inactive sexual stage
- C. Sexual stage with epitoke which is very active
- D. Asexual stage with epitoke which is very active

**Answer: C**



**Watch Video Solution**

**165.** Development is direct in the class

- A. Oligochaeta and Polychaeta
- B. Polychaeta and Archiannelida
- C. Archiannelida and Hirudinea
- D. Hirudinea and Oligochaeta

**Answer: D**

 [Watch Video Solution](#)

**166.** In leech , number of annular receptor in each annulus is

- A. 18 on the dorsal surface only
- B. 18 on the dorsal and ventral surface , respectively
- C. 18 on the ventral surface only
- D. None of the above

**Answer: B**

 [Watch Video Solution](#)

**167.** Which one assists in locomotion ?

- A. Trichocysts in Paramecium
- B. Penae spicules in *Ascaris lumbricoides*
- C. Clitellum in *Pheretima*
- D. Posterior sucker in Hirudinaria

**Answer: D**



**Watch Video Solution**

**168.** Housefly feeds on sugar by

- A. sucking sugar crystals through pseudotracheae
- B. dissolving sugar crystals by saliva and sucking the solution
- C. crushing sugar crystals with mandibles before sucking it



D. crushing sugar crystals with its legs and then transferring it to pseudotracheae

**Answer: B**



[Watch Video Solution](#)

**169.** Housefly differs from mosquito in having

A. compound eyes

B. only 3 pairs of jointed legs

C. all legs resting upon surface while sitting

D. head and thorax fused to form a cephalothorax

**Answer: C**



[Watch Video Solution](#)

170. In housefly are present

- A. 1 pseudotrache and 1 spiracle
- B. 2 pseudotrachae and 1 spiracle
- C. 2 pseudotrachae and 2 spiracles
- D. None of the above

**Answer: D**



[Watch Video Solution](#)

171. The second instar larva of housefly has

- A. one pair of abdominal and two pairs of prothoracic spiracles
- B. two pairs of abdominal and one pair of prothoracic spiracles
- C. one pair of abdominal and one pair of prothoracic spiracles
- D. one pair of abdominal spiracles

**Answer: C**



**Watch Video Solution**

**172.** The order of metamorphosis in housefly is

- A. egg , pupa , larva and adult
- B. egg, larva , pupa and adult
- C. egg , nymph , pupa and adult
- D. egg , larva , nymph and adult

**Answer: B**



**Watch Video Solution**

**173.** Which one of these is a set of useful insects ?

- A. Sandfly , butterfly , honeybee

- B. Honey bee, silkmoth , tse-tse fly
- C. Silkmoth , honeybee , locust
- D. Honeybee , lac insect , cochineal insect

**Answer: D**

 [Watch Video Solution](#)

**174.** In molluscs , the body is unsegmented with a distinct

- A. head , thorax and abdomen
- B. head , thorax and muscular foot
- C. head , muscular foot and abdomen
- D. head , muscular and visceral hump

**Answer: D**

 [Watch Video Solution](#)

175. A soft and spongy layer of skin forms of mantle

- A. over the head region
- B. over the muscular foot
- C. over the visceral hump
- D. all over the body

**Answer: C**



**Watch Video Solution**

176. Coelom of animals commonly known as tusk shell originates

- A. by enterocoelic process
- B. by schizocoelic process and is filled with coelomic fluid
- C. from the blastocoel
- D. by splitting of embryonic mesoderm and is filled with blood

**Answer: D**



**Watch Video Solution**

**177.** Phylum Mollusca can be distinguished from other invertebrates by the presence of

- A. bilateral symmetry and exoskeleton
- B. shell and non-segmented body
- C. mantle and non-segmented body
- D. mantle and gills

**Answer: C**



**Watch Video Solution**

**178.** Which one of the following is unique to Mollusca ?

- A. Nacre and radula
- B. Ommatophores
- C. Mantle and unsegmented soft body
- D. All of the above

**Answer: D**

 [Watch Video Solution](#)

**179.** The most remarkable characteristic of *Neopilina* is

- A. presence of shell
- B. presence of gill
- C. metameric segmentation
- D. nephridia

**Answer: C**

 [Watch Video Solution](#)

**180.** The incorrect match among the following is

- A. Glochidium - point of an arrow
- B. Chiton - coat of mail shell
- C. Cryptochiton - spiral shell
- D. Dentalium - curved tubular shell

**Answer: C**



**Watch Video Solution**

**181.** Which of the following is a distinctive character of class-Bivalvia of Mollusca ?

- A. Rudimentary head
- B. Absence of gills
- C. Tentacles around the mouth



D. Presence of coiled shell

**Answer: A**



[Watch Video Solution](#)

**182.** Pearls are produced in an oyster around the

A. tears of sea mermaids falling into the oyster

B. first drop of rain falling into the oyster in a particular month

C. eggs of oyster which fail to leave its body

D. some external particles becoming embedded in the skin of oyster

**Answer: D**



[Watch Video Solution](#)

**183.** The swift locomotion in Sepia and Octopus is affected by

- A. a fast moving neighbouring animal
- B. undulation of their own lateral fins
- C. lashing movement of their cephalic arms
- D. water in jets expelled through siphon

**Answer: D**

 [Watch Video Solution](#)

**184.** The largest and heaviest living invertebrate is A belonging to the class B . Identity A and B .

- A. A- Sepia      B-Cephalopoda
- B. A- Architeuthis      B-Cephalopoda
- C. A-Tridacna      B-Pelecypoda (bivalvia)
- D. A- Lamellidens      B-Pelecypoda

**Answer: B**

 [Watch Video Solution](#)

**185.** The incorrect match amongst the following is

- A. Aplacophora – Chaetoderma
- B. Polyplacophora – Chiton
- C. Cephalopoda – Dentalium
- D. Gastropoda – Achatina

**Answer: C**

 [Watch Video Solution](#)

**186.** Which of the following class/classes of molluscs is/are exclusively marine ?

- A. Monoplacophora
- B. Amphineura

C. Aplacophora

D. All of these

**Answer: D**



**Watch Video Solution**

**187.** Identify the statement which is false regarding the characteristic features of phylum-Annelida ,

- A. The locomotory organs are minute rod-like chitinous setae or suckers
- B. A closed circulatory system of longitudinal blood vessels is present with lateral branches in each segment
- C. Nephridia are present as excretory organs , which are endodermal in origin
- D. Fertilisation is external

**Answer: C**



**Watch Video Solution**

**188.** Find out the statement which is false about classification of annelids .

- A. It is based on position and arrangement of setae , their presence and absence , and presence of sense organs
- B. They are divided into four classes
- C. The class-Polychaeta is divided into three subclasses - Essantia , Sedentaria and Hirudinea
- D. Class- Archiannelida consists of primitive and small sized annelids

**Answer: C**



**Watch Video Solution**

**189.** Adult female Anopheles differs from adult female Culex in having

A. wings spotted , maxillary palps long , body inclined at  $45^\circ$  to surface at rest

B. wings plain , maxillary palps short , body parallel to surface at rest

C. wings plain , maxillary palp long , body inclined at  $45^\circ$  to surface at rest

D. wings spotted , maxillary palps short , body parallel to surface at rest

**Answer: A**



[Watch Video Solution](#)

**190.** Which of the following is not a characteristic of arthropods ?

A. Organ system level of organisation

B. Bilaterally symmetrical , triploblastic animals

C. Segmented , coelomate animals

D. Body is covered by calcareous shell

**Answer: D**

 [Watch Video Solution](#)

**191.** Which of the following statement(s) is/are correct about arthropods ?

- A. They are mostly dioecious and oviparous
- B. Fertilisation is internal
- C. Development may be direct or indirect
- D. All of the above

**Answer: D**

 [Watch Video Solution](#)

**192.** Features common in Silver fish, Scorpion, Dragonfly and Prawn are

- A. Cephalothorax and tracheae
- B. Three pairs of legs and segmented body
- C. Chitinous cuticle and two pairs of antennae
- D. Jointed appendages and chitinous exoskeleton

**Answer: D**



**Watch Video Solution**

**193.** Which one of the following statements is incorrect ?

- A. In cockroaches and prawns excretion of waste material occurs through Malpighian tubules
- B. In ctenophores , locomotion is mediated by comb plates
- C. In Fasciola , flame cells take part in excretion



D. Earthworms are hermaphrodites and yet cross fertilisation takes place among them

**Answer: A**

 [Watch Video Solution](#)

**194.** Which of the following is not correct about phylum-Mollusca ?

- A. Mollusca is the second largest animals phylum
- B. In Mollusca , the body surface is distinctly marked out into segments
- C. Members of phylum- Mollusca are usually dioecious and oviparous
- D. In Mollusca , the development is indirect

**Answer: B**

 [Watch Video Solution](#)

**195.** Which of the following represents a characteristic of phylum-Mollusca ?

- A. Organ system level of organisation
- B. Bilaterally symmetrical
- C. Triploblastic and coelomate animals
- D. All of the above

**Answer: D**



**Watch Video Solution**

**196.** Given below are certain statements about the sense organs of molluscs . Choose the one which is incorrect .

- A. They bear eye spots or complex eyes for vision
- B. An osphradium is present for testing the chemical physical activity of water

C. The eyes in cephalopods are comparable with the eyes of invertebrates

D. Molluscs have statocysts for providing equilibrium

**Answer: C**

 [Watch Video Solution](#)

**197.** Select the statement which is correct about Scaphopoda .

A. They bear a tubular shell which is closed at one end

B. They bear complex eyes

C. Gonad single and kidneys are paired

D. The foot is bow-shaped or boat-shaped and used for burrowing

**Answer: C**

 [Watch Video Solution](#)

**198.** Pick out the statement which is incorrect about Pelecypods .

- A. *Pinctada vulgaris* is a sedentary mollusc which is reared artificially for its pearl oyster
- B. Keber's organ is a pericardial gland in *Unio* which helps in excretion
- C. *Unio* bears a myogenic heart
- D. The shell of *Unio* bears two halves called valves

**Answer: C**



[Watch Video Solution](#)

**199.** For class- Cephalopoda , which of the following statements is incorrect ?

- A. Head distinct and large with well-developed eyes , foot as tentacles with siphon
- B. Dioecious , development direct

C. Shell external , internal or absent

D. Marine and sedentary

**Answer: D**



[Watch Video Solution](#)

**200.** Select the statement which is correct about the Echinoderms .

A. All animals of this phylum are exclusively freshwater organisms

B. Their body is polymorphic

C. They are diploblastic animals

D. Their body bears jaw-like structures which are called oral arms

**Answer: B**



[Watch Video Solution](#)

**201.** Which of the following statements represent the correct features of Echinodermata ?

- A. All are marine with cellular level of organisation
- B. The adult echinoderms are radially symmetrical , but larvae are bilaterally symmetrical
- C. They are triploblastic and coelomate animals
- D. This phylum appeared in early Cambrian period

**Answer: A**



**Watch Video Solution**

**202.** Choose the statement which is incorrect about reproduction in Echinoderms .

- A. Fertilisation takes place externally in sea water
- B. Echinoderms may undergo asexual reproduction by self division

C. The testes and ovaries are morphologically similar

D. Sexual dimorphism is present in echinoderms

**Answer: C**



**Watch Video Solution**

**203.** Which of the following is not true about echinoderms ?

A. An excretory system is absent

B. Sexes are separate and reproduction is sexual

C. Development is indirect with free swimming larva

D. Mouth is present on the upper (dorsal ) side and anus on the lower  
(ventral ) side

**Answer: D**



**Watch Video Solution**

**204.** Which one of the following statements is true about an organism and its classification ?

- A. Blue-green algae is a kind of fungus
- B. Sea horse is closely related to dolphin
- C. Maiden hair tree is a kind of angiosperm
- D. Sea lily is a kind of echinoderm

**Answer: D**



**Watch Video Solution**

**205.** Select the statement which is false about the membrane of the class-Ophiuroidea .

- A. They bear arms whose terminal ends resemble snake tails
- B. Anus and ambulacral grooves are absent
- C. The oral surface has mouth and madreporite



D. Long spines as well as pedicellariae are present

**Answer: D**

 [Watch Video Solution](#)

**206.** Antedon belongs to the class-Crinoidea because

A. it has calyx for attachment and arms bear pinnules

B. the mouth is situated orally and the anus is found on the aboral surface

C. the arms are not distinctly separated from the central disc

D. the tube feet are present in ambulacral groove

**Answer: A**

 [Watch Video Solution](#)

207. Pick out the statement which is correct about Echinus.

- A. Echinus is a herbivorous animal
- B. It moves with the help of tube feet only
- C. Mouth is supported with masticatory (bitting and chewing) apparatus
- D. The larval form is echinocardius

Answer: B



Watch Video Solution

208. Which of the following is properly matched ?

- |    |                 |                 |              |
|----|-----------------|-----------------|--------------|
| A. | Scientific name | Common name     | Larval stage |
|    | Cucumaria       | Sea cucumber    | Auricularia  |
| B. | Scientific name | Common name     | Larval stage |
|    | Holothuria      | Sea urchin      | Doliolaria   |
| C. | Scientific name | Common name     | Larval stage |
|    | Ophiothrix      | The basket star | Dipleura     |

	Scientific name	Common name	Larval stage
D.	Antedon	Feather star	Bipinnaria

**Answer: A**

 [Watch Video Solution](#)

**209.** Which of the following is not correct matching of phylum and its three example ?

- A. Annelida : Tubifex , Nereis , Heruda
- B. Arthropoda : Limulus , Peripatus , Enterobius
- C. Mollusca : Chiton , Deutalium , Loligo
- D. Echinodermata : Echinus , Ophiothrix , Cucumaria

**Answer: B**

 [Watch Video Solution](#)

210. Which of the following is incorrect for excretory and respiratory structures of animal mentioned ?

- |    |          |                     |                       |
|----|----------|---------------------|-----------------------|
| A. | Animals  | Excretory structure | Respiratory structure |
|    | Insects  | Malpighian          | Trachea               |
| B. | Animals  | Excretory structure | Respiratory structure |
|    | Asterias | Tube feet           | Papulae               |
| C. | Animals  | Excretory structure | Respiratory structure |
|    | Nereis   | Nephridia           | Parapodia             |
| D. | Animals  | Excretory structure | Respiratory structure |
|    | Pila     | Metanephridia       | Ctenidia              |

**Answer: B**



[Watch Video Solution](#)

**Chapter Exercises A Taking It Together Assorted Questions Of The Chapter For Advanced Level Practice**

1. Clitellum is absent in

- A. Nereis

B. Aphrodite

C. Chaetopterus

D. All of these

**Answer: D**



[Watch Video Solution](#)

## Chapter Exercises B Medical Entrances Special Format Questions Statement Based Questions

### 1. Annelids

I. are schizocoelomate animals

II. have setae as locomotory organs .

III. have triploblastic body wall .

IV. are triploblastic , bilaterally symmetrical , pseudocoelomate animals .

A. I , II and III

B. I and II

C. only IV

D. III and IV

**Answer: A**



**Watch Video Solution**

2. In the external aperture , of body of *Hirudinaria granulosa*

I.mouth is triradiate aperture , opens into preoral chamber of anterior sucker .

II.posterior sucker is formed by the complete fusion of last seven body segments .

III.anus is present in 31st segment , which is mid-dorsal in position .

IV.female genital pores are mid-ventral in position between 3rd and 4th annuli of 11th segment .

A. I , II and III

B. I and II

C. II and IV

D. III and IV

**Answer: B**



**Watch Video Solution**

### 3. Metamerism

I. increases the efficiency of body movement .

II.is the characteristic feature of Annelida .

III.plays an important role in respiration .

IV.helps for capturing prey .

A. I and III

B. I and II

C. I, II and III

D. II and IV

**Answer: B**



**Watch Video Solution**

#### 4. Class-Hirudinea of Annelida

I.lacks parapodia and setae .

II.includes leeches which lead ectoparasitic life on vertebrate animals .

III.possesses clitellum as temporary organ .

IV.show external fertilisation .

A. I , II and III

B. II and IV

C. III and IV

D. I, III and IV

**Answer: A**



[Watch Video Solution](#)

5. The statements given below mention certain characteristic features of Nereis . Select the correct statements and mark the correct code .



- I . The body of Nereis is divisible into head , truck and pygidium .
- II . Anus is mid-dorsal in position present on the 26th segment .
- III. Prostomium bears a pair of short , cylindrical , sensory tentacles .
- IV . It is an omnivorous annelid .

A. I and II

B. II , III and IV

C. II and IV

D. I and III

**Answer: D**



[Watch Video Solution](#)

6. Among the statements given below about Nereis , select the incorrect statements about the organism and mark the correct code .

- I . The phenomenon of sexual maturation of Nereis is called heterotoky .
- II . The pygidium or Nereis is called anal segment .
- III . The alimentary canal of the organism has three distinct regions .

IV . Fertilisation is external and occur in sand .

V . Mesenteron of Nereis has oesophagus , stomach and intestine .

A. I and III

B. II and V

C. II, III and IV

D. I and IV

**Answer: A**



**Watch Video Solution**

7. Among the statements given below about leech (*Hirudinaria granulosa*) find out the one which are correct about the organism and select the appropriate code .

I. It is sanguivorous in habit .

II. It is a hermaphrodite .

III . It is narrowest near the anterior end and broadest near the posterior

end .

IV . Its eggs are deposited in cocoons .

A. I and IV

B. I and III

C. only I

D. All of these

**Answer: D**



**Watch Video Solution**

**8.** Of the statements provided identify the incorrect statements , which are not the characteristic features of leech and select the appropriate code .

I . The body of *Hirudinaria granulosa* is soft , vermiform , elongated and dorsoventrally flat .

II . The segments 3rd-26th are further divided into rings of annuli .

III . The mouth of leeches is guarded by a structure called velum .

IV . The anterior and posterior suckers are meant for adhesion and locomotion .

A. III and IV

B. I and IV

C. II and IV

D. All of these

**Answer: D**



**Watch Video Solution**

9. In exoskeleton of arthropods ,

I. chitinous plates present over the body are called sclerites .

II. sclerites are joined with the help of soft membranous structure called arthroal membrane .

III. the dorsal sclerites are called tergum , ventral sclerites as sternum and lateral sclerites are called pleura.

IV. epidermis is present above the cuticle , called hypodermis.

A. Only IV

B. II , and III

C. I , II and IV

D. I , II and III

**Answer: D**



[Watch Video Solution](#)

**10.** Which of the following statements are correct ?

I . The respiratory trumpets in *Culex* are long and narrow , while the respiratory trumpets of *Anopheles* are short and broad .

II. The pupa of *Culex* is without any palmate hairs on the abdomen , while the pupa of *Anopheles* is with palmate hairs on the abdomen .

III . In the case of *Culex* , each paddle bears a long bristle , while in the case of *Anopheles* pupa , each paddle bears short bristle .

IV . The pupa of *Culex* is smaller and green , while that of *Anopheles* is larger and colourless .

A. I , II and III

B. I and III

C. II and IV

D. I and IV

**Answer: B**



**Watch Video Solution**

**11. Which of the following are correctly matched ?**

- |                                |   |                           |
|--------------------------------|---|---------------------------|
| <i>I.</i> Trophallaxis         | – | Insect colony             |
| <i>II.</i> Limulus             | – | Class-Merostomata         |
| <i>III.</i> Statocyst          | – | Prawn                     |
| <i>IV.</i> Insect compound eye | – | Mosaic image in dim light |

Choose the correct option .

A. I and II

B. I , II and III

C. III and IV

D. II and IV

**Answer: B**



[Watch Video Solution](#)

**12.** Classes of mandibulate are

I. Crustacea      II. Merostomata

III. Insecta      IV. Arachnida

Choose the correct option

A. I and III

B. II and III

C. I, II and III

D. III and IV

**Answer: A**



[Watch Video Solution](#)

### 13. Termite

I. is a harmful colonial insect .

II.shows caste system .

III.has a pair of respiratory trumpets .

IV.are blood suckers of vertebrates .

Choose the correct option .

A. I and II

B. II and III

C. III and IV

D. II and IV

**Answer: A**



[Watch Video Solution](#)

### 14. In Mollusca ,

I. digestive tract is a complete and complex with ciliary tracts for sorting



small particles .

II.shows caste system .

III.has a pair of respiratory trumpets .

IV.are blood suckers of vertebrates .

Choose the correct option .

- A. Statement I and III are correct
- B. Statement I and II are correct
- C. Statement I , II and IV are correct
- D. Only statement IV is correct

**Answer: B**



[Watch Video Solution](#)

**15.** Read the statement about characteristic features of class-Monoplacophora.

I. Body is flat , bilaterally symmetrical and oval -shaped .

II . The animals bear nephridia and internal segmentation like annelids .

III . This is the only class among molluscs which includes monoecious species .

IV. The body is enclosed in a mantle which secrets a dome-shaped outer shell .

Choose the option with correct codes

A. I, II and IV

B. I and II

C. II and IV

D. I and III

**Answer: A**



[Watch Video Solution](#)

**16.** Sedentary filter feeding molluscs are

I.oyster

II.pecten

III.mussels

IV. Chaetoderma

Choose the option with correct codes .

A. I , II and III

B. I and II

C. II and IV

D. I and III

**Answer: A**



**Watch Video Solution**

**17. Teredo is**

I.commonly known as shipworm

II.destructive to wood in seawater

III.a living fossil

IV.commonly called as sea mouse

Choose the correct option .

A. I and II

B. I , II and III

C. II and IV

D. I and III

**Answer: A**



**Watch Video Solution**

**18.** Which of the following traits is not a characteristic of echinoderms ?

- I. They have a complete digestive system with two separate openings .
- II. They possess a complex haemal and perihemal system for circulation .
- III. Removal of nitrogenous waste takes place through cloacal aperture .
- IV . Sense organs are poorly developed.

A. I and II

B. II and III

C. Only III

D. I and IV

**Answer: C**



[Watch Video Solution](#)

19. Which among the following are the characteristic features of Cucumaria ?

- I. It is an orange coloured animal which lives in shallow tropical water.
- II. It has twenty sets of feeding arms that fan out into horny tentacles .
- III .Respiration occurs through system of tubule called respiratory tree.
- IV Its larval form is auricularia .

A. I,II and III

B. I,III and IV

C. II, III and IV

D. I and IV

**Answer: B**



[Watch Video Solution](#)

20. Read the following statements regarding the class-Crinoidea of phylum-Echinodermata.

I, Ciliated ambulacral grooves are present on the aboral surface.

II. Antedon belonging to this class has a good power of regeneration.

III. The oral surface bears mouth and cloaca.

IV. The tube feet lack suckers.

Choose the correct ones.

A. I and II

B. III and IV

C. I, II and IV

D. II and III

**Answer: C**



**Watch Video Solution**

**21. Echinus (sea urchin)**

I. is omnivorous.

II. has a masticatory apparatus called Aristotle's lantern .

III. has tube feet without suckers .

IV. has doliolaria larva in its life cycle .

Choose the correct option .

A. I, II and III

B. III and IV

C. II and IV

D. Only IV

**Answer: A**



**Watch Video Solution**

**22. Pedicellariae of sea star is a pincer-like structure which**

I. is used for biting and rasping .

II.helps in keeping the body surface clean .

III.helps in cloacal respiration .

IV.acts as organ of offence .

Choose the correct option .

A. I and II

B. I, II and III

C. II and IV

D. None of these

**Answer: C**



**Watch Video Solution**

## Chapter Exercises B Medical Entrances Special Format Questions Statement Based Questions

### 1. Echinodermata

I.is the largest animal phylum to lack any freshwater or terrestrial



representatives .

II.constitutes the only major group of deuterostome .

III.are diploblastic animals .

IV.have direct development with out any larval stage .

Choose the correct option .

A. I , II and III

B. I and II

C. II and IV

D. I and III

**Answer: B**



[Watch Video Solution](#)

**Chapter Exercises Match The Columns**

1. Match the following Columns .

	Column I (Annelid common name)	Column II (Scientific name)
A.	Sandworm	1. <i>Eurythoe</i>
B.	Fireworm	2. <i>Tubifex</i>
C.	Earthworm	3. <i>Nereis</i>
D.	Cattle leech	4. <i>Hirudinaria</i>
E.	Sludge worm	5. <i>Pheretima</i>

A. A B C D E  
3 1 5 4 2

B. A B C D E  
1 4 3 2 5

C. A B C D E  
5 3 1 4 2

D. A B C D E  
4 2 5 3 1

Answer: A



Watch Video Solution

2. Match the following Columns.

Column I	Column II
A. Ommatidia	1. Reduced hindwings
B. Trochanter	2. For vision
C. Halteres	3. Forming exoskeleton
D. Sclerites	4. Present between coxa and femur

A. A B C D  
4 3 1 2

B. A B C D  
1 2 3 4

C. A B C D  
2 4 1 3

D. A B C D  
3 1 2 4

Answer: C



Watch Video Solution

3. Match the following Columns.

Column I	Column II
A. <i>Pecten</i>	1. Used in India in an indoor game
B. <i>Chiton</i>	2. Presence of eight articulated, shell plates borne on the mantle dorsally
C. <i>Dentalium</i>	3. Commonly known as scallop
D. <i>Cypraea moneta</i>	4. Presence of filamentous tentacles called captacula

- A. A B C D  
3 2 4 1
- B. A B C D  
1 2 3 4
- C. A B C D  
3 1 2 4
- D. A B C D  
2 4 1 3

Answer: A



Watch Video Solution

4. Match the following Columns.

<b>Column I</b> (Mollusc scientific name)	<b>Column II</b> (Common name)
<b>A.</b> <i>Achantina</i>	1. Land snail
<b>B.</b> <i>Dentallium</i>	2. Squid
<b>C.</b> <i>Loligo</i>	3. Tusk shell
<b>D.</b> <i>Pila</i>	4. Apple snail

- A. A B C D  
1 2 3 4
- B. A B C D  
3 2 4 1
- C. A B C D  
2 4 3 1
- D. A B C D  
1 3 2 4

Answer: D



Watch Video Solution

5. Match the following Columns.

Column I (Common name)	Column II (Scientific name)
A. Sea lemon	1. <i>Doris</i>
B. Sea mussel	2. <i>Mytilus</i>
C. Garden snail	3. <i>Helix</i>
D. Grey slug	4. <i>Limax</i>
E. Sea hare	5. <i>Aplysia</i>

A. A B C D E  
1 2 3 4 5

B. A B C D E  
4 3 5 1 2

C. A B C D E  
4 2 5 1 3

D. A B C D E  
3 4 5 2 1

Answer: A



Watch Video Solution

6. Match the following Columns.

Column I (Echinoderm common name)	Column II (Scientific name)
A. Starfish	1. <i>Gorgonocephalus</i>
B. Cake urchin	2. <i>Asterias</i>
C. Feather star	3. <i>Clypeaster</i>
D. Basket star	4. <i>Antedon</i>

A. A B C D  
3 4 1 2

B. A B C D  
3 1 4 2

C. A B C D  
2 3 4 1

D. A B C D  
2 1 4 3

Answer: C



Watch Video Solution

7. Match the following Columns.

**Column I**  
(Echinoderm classes)

**Column II**  
(Larval forms)

A. Asteroidea	1. Auricularia
B. Ophiuroidea	2. Doliolaria
C. Echinoidea	3. Ophiopluteus
D. Holothuroidea	4. Bipinnaria
E. Crinoidea	5. Pluteus

A. A B C D E  
4 3 5 1 2

B. A B C D E  
1 2 3 4 5

C. A B C D E  
5 4 3 2 1

D. A B C D E  
3 1 4 5 2

Answer: A



Watch Video Solution



8. Match the following Columns.

Column I (Animals)	Column II (Characteristics)
A. <i>Ophiothrix</i>	1. Has pair of respiratory tree in the coelom which opens into the rectum
B. <i>Asterias</i>	2. Benthonic, carnivorous animal
C. <i>Antedon</i>	3. It is also called feather star
D. <i>Cucumaria</i>	4. It has ophiopluteus larval stage in its life cycle

- A. A B C D  
1 3 2 4
- B. A B C D  
4 2 3 1
- C. A B C D  
3 4 1 2
- D. A B C D  
2 1 3 4

Answer: B



Watch Video Solution

1. Assertion Metamerism is the characteristic of Annelida .

Reason Metamerism is a type of body segmentation .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**



[Watch Video Solution](#)

2. Assertion Blood is red in Annelida .

Reason RBCs are absent in them .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: C**

 [Watch Video Solution](#)

**3. Assertion** Chloragen cells behave like vertebrate liver .

**Reason** Chloragen cells are present in Annelida .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**

 [Watch Video Solution](#)

4. Assertion Spermathecae help in sperm transfer .

Reason Spermathecae are the main part of reproductive system of Annelida .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**



[Watch Video Solution](#)

5. Assertion Epitoky is seen in Nereis .

Reason Individual showing epitoky is called Heteronereis .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**



[Watch Video Solution](#)

6. Assertion Haemocoel in Arthropoda is not lined by the mesodermal epithelium .

Reason Arthropods possess only true coelom .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: D**



**Watch Video Solution**

7. Assertion Prawn have walking legs .

Reason Prawn can swim with the help of walking legs .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**



[Watch Video Solution](#)

8. Assertion Pila has a dual mode of respiration .

Reason Pila leads an amphibious life.

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: A**

 [Watch Video Solution](#)

9. Assertion Keber's organ in Unio is situated in front of the pericardium .

Reason Keber's organ has an important role in circulation .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false



D. If Assertion is false , but Reason is true

**Answer: C**

 [Watch Video Solution](#)

**10.** Assertion Point of an arrow larva is seen in some molluscs .

Reason Point of an arrow larva is the characteristic of freshwater mussel .

- A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion
- B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion
- C. If Assertion is true , but Reason is false
- D. If Assertion is false , but Reason is true

**Answer: B**

 [Watch Video Solution](#)

11. Assertion All Pila are ammonotelic .

Reason Pila excrete uric acid .

- A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion
- B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion
- C. If Assertion is true , but Reason is false
- D. If Assertion is false , but Reason is true

**Answer: B**



[Watch Video Solution](#)

12. Assertion Tube feet are characteristic organs of Echinodermata .

Reason Tube feet have only role in respiration .

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: C**



**Watch Video Solution**

**13.** Assertion : Water vascular system is the characteristic of echinoderms.

Reason : Main function of water vascular system is locomotion.

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**

 [Watch Video Solution](#)

**14.** Given below are assertion and reason. Assertion. Ossicles around the mouth of Sea Urchin form Aristotle's Lantern. Reason. Teeth of Aristotle's Lantern are analogous to human teeth as both are masticatory

A. If both Assertion and Reason are true and Reason is the correct explanation of Assertion

B. If both Assertion and Reason are true , but Reason is not the correct explanation of Assertion

C. If Assertion is true , but Reason is false

D. If Assertion is false , but Reason is true

**Answer: B**



[Watch Video Solution](#)

Chapter Exercises C Medical Entrances Gallery Collection Of Questions Asked In Neet Various Medical Entrance Exams

1. Which of the following features is not present in the in the phylum arthropoda

- A. Metameric segmentation
- B. parapodia
- C. Jointed appendages
- D. Chitinous exoskeleton

**Answer: B**



[Watch Video Solution](#)

2. Match Column-I with Column-II for housefly classification and select the correct option using the codes given below : new question

Column-I		Column-I	
(a) Family		(i) Diptera	
(b) Order		(ii) Arthropoda	
(c) Class		(iii) Muscidae	
(d) Phylum		(iv) Insecta	

- A.    A   B   C   D  
      3   1   4   2
- B.    A   B   C   D  
      3   2   4   1
- C.    A   B   C   D  
      4   3   2   1
- D.    A   B   C   D  
      4   2   1   3

Answer: A



Watch Video Solution

3. Which is gynandromorph type of animal ?

A. Drosophila

B. Beetles

C. Silkworms

D. All of the above

**Answer: D**



**Watch Video Solution**

4. The chitinous exoskeleton of arthropods is formed by the polymerisation of :

A. keratin sulphate and chondroitin sulphate

B. D-glucosamine

C. N-acetyl glucosamine

D. lipoglycans

**Answer: C**

 [Watch Video Solution](#)

5. The first body segment of earthworm is

- A. peristome
- B. peristomium
- C. protostomium
- D. protostome

**Answer: B**

 [Watch Video Solution](#)

6. Which of the following matching pairs incorrect ?

- A. Mollusca – Pseudocoel
- B. Cnidaria – Nematocyst
- C. Annelida – Chloragogen cells



D. Echinodermata – Water vascular system

**Answer: A**



**Watch Video Solution**

7. Shell is spiral in

A. Pelecypoda

B. gastropods

C. Cephalopoda

D. Scaphopoda

**Answer: B**



**Watch Video Solution**

8. Which one belongs to class polyplacophora

A. Chiton

B. Patella

C. Pila

D. Murex

**Answer: A**



[Watch Video Solution](#)

**9. The molluscan with out a shell is**

A. Sepia

B. Octopus

C. Loligo

D. Nautilus

**Answer: B**



[Watch Video Solution](#)

10. Match and choose the correct pair
- (a) Cephalopoda – Closed circulatory – Pinctada
- (b) Echinoidea – Aristotle's lantern – Sea Urchin
- (c) Tentaculat – Cnodolasts – Pleurobrachia
- (d) Hexactinellida – Siliceous spicules – Venus flower baske –

A. II and IV

B. I and IV

C. III and IV

D. I and III

**Answer: A**



**Watch Video Solution**

11. Read the statements regarding echinoderms and choose the correct option (i) All are marine with organ system level of organisation (ii) Adults are bilaterally symmetrical (iii) They are dioecious (iv) Fertilization

is internal an indirect development is observed (v)Truploblastic and scoelomate animals

- A. I and III
- B. Only V
- C. I , III and V
- D. I and V

**Answer: D**



**Watch Video Solution**

**12.** This has mouth an lower side and anus on upper side

- A. Limulus
- B. Buthus
- C. Daphnia
- D. Sea urchin

**Answer: D**



**Watch Video Solution**

**13.** In phylum echinodermata, the classes having padicellariae are

- A. Crinoidea and Holothuroidea
- B. Holothuroidea and Echinoidea
- C. Asteroidea and Echinoidea
- D. Ophiuroidea and Holothuroidea

**Answer: C**



**Watch Video Solution**

**14.** Which one is an example of living fossil?

- A. Coral

B. Ascidia

C. Octopus

D. King crab

**Answer: D**



[Watch Video Solution](#)

**15. Juvenile hormone in insects is released from**

A. protocerebrum

B. corpora cardiaca

C. corpora allata

D. thoracic gland

**Answer: C**



[Watch Video Solution](#)

16. Pentaradial symmetry is found in

- A. Echinodermata
- B. Annelida
- C. Porifera
- D. Arthropoda

**Answer: A**



[Watch Video Solution](#)

17. In Polychaeta , the setae are

- A. numerous
- B. singly arranged in bundles
- C. radially arranged in bundles
- D. fused

**Answer: A**



**Watch Video Solution**

**18. Radula is found in**

- A. Pila sp.
- B. Chiton sp.
- C. Lamellidens sp.
- D. Pinctada sp.

**Answer: A**



**Watch Video Solution**

**19. Veliger larva occurs in phylum**

- A. Mollusca



B. Echinodermata

C. Arthropoda

D. Cnidaria

**Answer: A**



**Watch Video Solution**

**20. Assertion :** Open circulatory system is found in most arthropods.

**Reason :** Arthropods contain haemolymph which directly bathes internal tissues and organ.

A. Both A and R are correct and R is the correct explanation of A

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

C. A is correct , but R is incorrect

D. Both A and R are incorrect

**Answer: A**



[Watch Video Solution](#)

21. One of the representative of Phylum arthropoda is

- A. cuttle fish
- B. silver fish
- C. puffer fish
- D. flying fish

**Answer: B**



[Watch Video Solution](#)

22. Which group of animals belong to the same phylum ?

- A. Earthworm , pinworm , tapeworm
- B. Prawn , scorpion , locusta
- C. Sponge , sea anemone , starfish

D. Malarial parasite , Amoeba , mosquito

**Answer: B**



[Watch Video Solution](#)

**23.** What is the similarity between housefly , mosquito and cockroach ?

- A. All have 13-chambered heart
- B. All have 4 pairs of legs
- C. All have closed circulatory system
- D. All belong to class- Insecta

**Answer: D**



[Watch Video Solution](#)

**24.** Which is not characteristic feature of arthropods

- A. Jointed appendages
- B. Moulting
- C. Unsegmented body
- D. Articulated exoskeleton

**Answer: C**

 [Watch Video Solution](#)

**25.** The stages between larval moults in an insect are called

- A. pupae
- B. grubs
- C. caterpillars
- D. instars

**Answer: D**

 [Watch Video Solution](#)

26. Which one of the following exhibits concentric tube within tube plan ?

- A. Cnidaria
- B. Annelida
- C. Platyhelminthes
- D. Nematoda

**Answer: B**



[Watch Video Solution](#)

27. Pheretima and its close relatives derive nourishment from

- A. sugarcane roots
- B. decaying fallen leaves and soil
- C. soil insects organic matter

D. small pieces of fresh fallen leaves of maize

**Answer: B**



[Watch Video Solution](#)

**28.** Glochidium larva is absent in

A. Unio

B. Pinctada

C. Sepia

D. None of these

**Answer: C**



[Watch Video Solution](#)

29. The adult animal in this phylum is radially symmetrical but its larva exhibits bilateral symmetry .

- A. Protozoa
- B. Echinodermata
- C. Coelenterata
- D. Arthropoda

**Answer: B**



**Watch Video Solution**

30. The members of which of the following phyla are exclusively marine ?

- A. Arthropoda
- B. Echinodermata
- C. Annelida
- D. Mollusca

**Answer: B**



**Watch Video Solution**

**31. Hemimetabolus insect , which is nocturnal and sanguivorous is**

A. Cimex

B. Musca

C. Anopheles

D. Apis

**Answer: A**



**Watch Video Solution**



32. Study the lists and choose the correct ones

I

II

III

(a) Sea Urchin

Aristotle's lantern

Echinoidea

(b) Sea Cucumber

Respiratory tree

Holothuroidea

(c) Sea Biscuit

Anus is absent

Asteroidea

(d) Sea Star

Pedicularia with two jaws

Ophiuroidea

A. I and II

B. II and III

C. I and III

D. II and IV

**Answer: A**



**Watch Video Solution**

33. Which of the following is a crustacean ?

A. Prawn

B. Snail

C. Sea anemone

D. Hydra

**Answer: A**



**Watch Video Solution**

**34.** Open circulatory system occurs in

A. earthworm

B. snail

C. cockroach

D. Both (b) and (c)

**Answer: D**



**Watch Video Solution**

**35.** Which one is not an insect

- A. Spider
- B. Locust
- C. Mosquito
- D. Ant

**Answer: A**



**Watch Video Solution**

**36.** A female Anopheles mosquito can be recognized by

- A. proboscis and palpi are long and more or less of equal length
- B. proboscis long and palpi short
- C. proboscis short and palpi long
- D. Both proboscis and palpi short

**Answer: A**



**Watch Video Solution**

**37.** Which one of the following have the highest number of species in nature?

A. Insects

B. Birds

C. Angiosperms

D. Fungi

**Answer: A**



**Watch Video Solution**

**38.** The arthropods exoskeleton is composed of

- A. several kinds of polysaccharides
- B. layers of proteins and a polysaccharide called chitin
- C. several kind of proteins
- D. single complex protein called arthropodin

**Answer: B**

 [Watch Video Solution](#)

**39.** Which one of the following does not have an excretory system ?

- A. Myxine
- B. Carcharodon
- C. Balanoglossus
- D. Asterias

**Answer: D**

 [Watch Video Solution](#)

**40.** Tube feet are the locomotory organs of

- A. Platyhelminthes
- B. Echinodermata
- C. Mollusca
- D. Arthropoda

**Answer: B**



**Watch Video Solution**

**41.** Water vascular system is found in

- A. sea anemone
- B. sea pen
- C. Sea cucumber

D. sea horse

**Answer: C**



**Watch Video Solution**

**42.** Which animal of the following belongs to class Crustacea?

A. Cockroach

B. Cyclops

C. grasshopper

D. mosquito

**Answer: B**



**Watch Video Solution**

**43.** which one of the following is used as biological insecticide ?

A. Tiger beetle

B. Silkworm

C. caterpillars

D. Gundi poka

**Answer: A**



**Watch Video Solution**

**44.** Phylum Mollusca can be distinguished from other invertebrates by the presence of

A. bilateral symmetry and exoskeleton

B. a mantle and gills

C. shell and non-segmented body

D. a mantle and non-segmented body

**Answer: D**



 [Watch Video Solution](#)

45. Culex and Anopheles show similarity in that

- A. females of both transmit diseases
- B. larvae float in water
- C. larvae lie horizontally , floating parallel to surface of water
- D. All of the above

**Answer: D**

 [Watch Video Solution](#)

46. How do you differentiate a butterfly from a moth?

- A. Moth has feathery antennae , but butterfly has club- shaped antennae
- B. Moth has one pair of wings , but butterfly has two pairs of wings

C. Moth is diurnal , but butterfly is nocturnal

D. Moth has simple eyes , but butterfly has compound eyes

**Answer: A**



**Watch Video Solution**

**47.** The most commonly maintained species of bee by bee keepers is

A. *Apis dorsata*

B. *Apis mellifera*

C. *Apis indica*

D. *Apis florea*

**Answer: B**



**Watch Video Solution**

48. Which of the following are examples of arthropods ?

- A. Silverfish , starfish , prawn
- B. Clam worm , apple snail , honey bee
- C. Sea star , tongue worm , scorpion
- D. Cockroach , scorpion , prawn

**Answer: D**



[Watch Video Solution](#)

49. Which of the following is not a true fish ?

- A. Dog fish
- B. Devilfish
- C. Catfish
- D. Sawfish

**Answer: B**



**Watch Video Solution**

**50.** Taxonomically , which of the following sets is matched correctly ?

A. Cattlefish , jellyfish , silverfish

B. Bat , pigeon , kite

C. Lobsters , spider , shrimps

D. Oyster , otter , Octopus

**Answer: C**



**Watch Video Solution**

**51.** Which of the following is a harmful social insects ?

A. Termite

B. *Bombyx mori*

C. *Tachardia lacca*

D. *Apis indica*

**Answer: A**



**Watch Video Solution**

52. Green glands present in some arthropods help in

A. respiration

B. excretion

C. digestion

D. reproduction

**Answer: B**



**Watch Video Solution**

53. In Ophiuroida, branched arms are seen in

- A. Gorgonocephalus
- B. Clypeaster
- C. Salmacis
- D. Gorgonia

**Answer: A**



**Watch Video Solution**

54. Which one of the following phyla is correctly matched with its two general characteristics?

A.

Chordata — Notochord at some stages and separate anal and urinary openings

B.

Mollusca — Normally oviparous and development through a trochophore larva

C.

Arthropoda – Body divided into head, thorax and abdomen, and r

D.

Echinodermata – Pentamerous radial symmetry and mostly inter

**Answer: B**



**Watch Video Solution**

55. Which one of the following phyla is correctly matched with its two general characteristics?

A. Arthropoda - Body is divided into head , thorax and abdomen and respiration by tracheae

B. Chordata - Notochord at some stages and separate anal and urinary opening to the outside

C. Echinodermata - Pentamerous radial symmetry and mostly internal fertilisation

D. Mollusca- Normally oviparous and development through a trochophore or veliger larva

**Answer: A**

 [Watch Video Solution](#)

**56.** Statement (s). In many gastropods, the anus and mantle cavity are placed anteriorly above the head.

Reason (R ). During embryonic development, in many gastropods one side of the visceral mass grows faster rotates the visceral organs upto  $180^{\circ}$  in many gastropods.

A. Both A and R are correct and R is the correct explanation of A

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

C. A is correct , but R is incorrect



D. Both A and R are incorrect

**Answer: A**



[Watch Video Solution](#)

57. Statement (S). Arthropoda are the most successful of all known animal groups

Reason (R). Arthropoda exhibits the greatest adaptive radiations and have adapted to diverse habitats.

A. Both A and R are correct and R is the correct explanation of A

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

C. A is correct , but R is incorrect

D. Both A and R are incorrect

**Answer: A**



[Watch Video Solution](#)

58. Match the following Columns .

Column I	Column II
A. Pollen basket	1. Butterfly
B. Pseudotracheae	2. <i>Laccifer lacca</i>
C. Shellac	3. Mosquito
D. Dutton's membrane	4. <i>Musca</i>
E. Well-developed galea	5. Worker bee

A. A B C D E  
3 2 4 5 1

B. A B C D E  
1 5 3 4 2

C. A B C D E  
4 5 3 2 1

D. A B C D E  
5 4 2 3 1

Answer: D



Watch Video Solution

59. Ink glands are found in

A. Sponge

B. starfish

C. Sepia

D. Jellyfish

**Answer: C**



[Watch Video Solution](#)

**60.** In the life cycle of mosquito , comma-shaped stage is

A. larval stage

B. pupal stage

C. imago stage

D. None of the above

**Answer: B**



[Watch Video Solution](#)

61. Ecdysone is secreted in

- A. Insecta
- B. Trematoda
- C. Nematoda
- D. Polychaeta

**Answer: A**



[Watch Video Solution](#)

62. Malpighian tubules are

- A. excretory organs of insects
- B. excretory organs of frogs
- C. respiratory organs of insects

D. endocrine glands of insects

**Answer: A**



**Watch Video Solution**

**63.** In mollusca, eye is present over a stalk called

A. osphradium

B. ostracum

C. ommatophore

D. operculum

**Answer: C**



**Watch Video Solution**

**64.** Caterpillar and maggot are

A. pupa

B. larvae

C. adults

D. nymphs

**Answer: B**



[Watch Video Solution](#)

**65. Heteronereis stage is**

A. transformation of sexual individual into asexual

B. sexually matured with two regions atoke and epitoke

C. sexually immatured with two regions atoke and epitoke

D. All of the above

**Answer: B**



[Watch Video Solution](#)

66. The radial symmetry is observed in

I. Platyhelminthes

II. Coelenterates

III. Aschelminthes

IV. Annelids

V. Echinoderms

The correct statements are

A. II , III and IV

B. I , II , III and IV

C. II , III and I

D. II and V

**Answer: D**



**Watch Video Solution**

67. In can regenerate entire alimentary canal

- A. Fish
- B. Bird
- C. Amphibian
- D. Sea cucumber

**Answer: D**



[Watch Video Solution](#)

68. What is common among silver fish scorpion crab and honey bee

- A. Compound eyes
- B. Poison glands
- C. Jointed appendages
- D. Metamorphosis



**Answer: C**



**Watch Video Solution**

**69.** Three-segmented , club-shaped maxillary palp is present in

- A. male Culex
- B. male Anopheles
- C. female Culex
- D. female Anopheles

**Answer: C**



**Watch Video Solution**

**70.** Mosquito receives air through

- A. flagellum

B. cilia

C. pedicel

D. None of these

**Answer: D**



**Watch Video Solution**

71. In housefly , pseudotracheae are found in

A. haustellum

B. rostrum

C. labellum

D. None of these

**Answer: C**



**Watch Video Solution**

72. Which of the following characters are present in class crustacea?

- A. Cephalothorax , gills and appendages
- B. Head , thorax , gills and appendages
- C. Cephalothorax , book lungs and appendages
- D. Head , thorax , book lungs and appendages

**Answer: A**



**Watch Video Solution**

73. Connecting link between Annelida and Mollusca is

- A. Neopilina
- B. Pderipatus
- C. Periplaneta
- D. Limulus

**Answer: A**



**Watch Video Solution**

**74.** Exoskeleton of which of the following consists of a chitinous cuticle ?

A. Porifera

B. Annelida

C. Arthropoda

D. Echinodermata

**Answer: C**



**Watch Video Solution**

**75.** Book lungs are respiratory organs in

A. scorpion

B. prawn

C. snail

D. cockroach

**Answer: A**



**Watch Video Solution**

**76.** Spider web is secreted by

A. abdominal gland

B. salivary gland

C. cephalothorax

D. None of these

**Answer: A**



**Watch Video Solution**

77. Which of the following have biting and chewing type of mouthparts ?

- I. Cimex      II. Larvae of silkworm  
III. Larvae of butterfly      IV . Grasshopper  
V. Tse-tse fly

Choose the correct option .

A. II , IV and V

B. II , V and IV

C. I , II and IV

D. III , IV and V

**Answer: A**



**Watch Video Solution**

78. Which one of the following is a matching pair of an animal and a certain phenomenon it exhibits?

A. Chameleon - Mimicry

B. Taenia - Polymorphism

C. Pheretima - Sexual dimorphism

D. Musca - Complete metamorphosis

**Answer: D**



**Watch Video Solution**

**Chapter Exercises C Medical Entrances Gallery Collection Of Questions Asked In Neet Various Medical Entrance Exams**

1. Choose the correct set of disease transmitting arthropods.

A. tse-tse fly , housefly , rat flea , sandfly

B. Anopheles , louse , housefly , termite

C. cockroach , louse , termite , housefly

D. rat flea , butterfly , housefly , tse-tse fly

**Answer: A**



**Watch Video Solution**