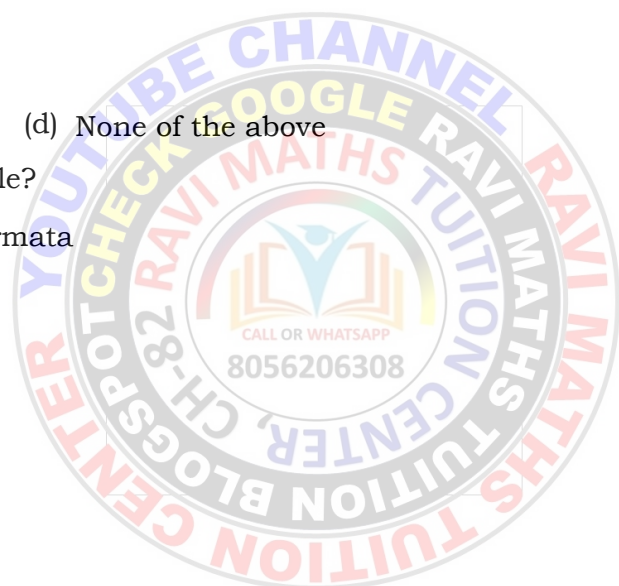


- 1) The symmetry exhibited in cnidarians is  
(a) Radial (b) Bilateral (c) Pentamerous radial (d) Asymmetrical
- 2) Sea anemone belongs to phylum  
(a) Protozoa (b) Porifera (c) Coelenterata (d) Echinodermata
- 3) The excretory cells that are found in platyhelminthes are  
(a) Protonephridia (b) Flame cells (c) Solenocytes (d) All of these
- 4) In which of the following organisms, self fertilization is seen.  
(a) Fish (b) Round worm (c) Earthworm (d) Liver fluke
- 5) Nephridia of Earthworms are performing the same functions as  
(a) Gills of prawn (b) Flame cells of Planaria (c) Trachea of insects  
(d) Nematoblasts of Hydra
- 6) Which of the following animals has a true coelom?  
(a) Ascaris (b) Pheretima (c) Sycon (d) Taenia solium
- 7) Metameric segmentation is the main feature of  
(a) Annelida (b) Echinodermata (c) Arthropoda (d) Coelenterata
- 8) In Pheretima locomotion occurs with help of \_\_\_\_\_  
(a) circular muscles (b) longitudinal muscles and setae  
(c) circular, longitudinal muscles and setae (d) parapodia
- 9) Which of the following have the highest number of species in nature?  
(a) Insects (b) Birds (c) Angiosperms (d) Fungi
- 10) Which of the following is a crustacean \_\_\_\_\_  
(a) Prawn (b) Snail (c) Sea anemone (d) Hydra
- 11) The respiratory pigment in cockroach is \_\_\_\_\_  
(a) Haemoglobin (b) Haemocyanin (c) Oxyhaemoglobin (d) None of the above
- 12) Exoskeleton of which phylum consists of chitinous cuticle?  
(a) Annelida (b) Porifera (c) Arthropoda (d) Echinodermata
- 13) Lateral line sense organs occur in \_\_\_\_\_  
(a) Salamander (b) Frog (c) Watersnake (d) Fish
- 14) The limbless amphibian is \_\_\_\_\_  
(a) Ichthyophis (b) Hyla (c) Rana (d) Salamander
- 15) Four chambered heart is present in \_\_\_\_\_  
(a) Lizard (b) Snake (c) Scorpion (d) Crocodile
- 16) Which of the following is not correctly paired?



(a) Humans - Urochordates (b) Birds - Uricotelic (c) Lizards - Urochordates

(d) Whale - Ammonotelic

17) Which of the following is an egg laying mammal \_\_\_\_\_

(a) Delphinus (b) Macropus (c) Ornithorhynchus (d) Equus

18) Pneumatic bones are seen in \_\_\_\_\_

(a) Mammalia (b) Aves (c) Reptilia (d) Sponges

19) Match the following columns and select the correct option.

Column - I	Column - II
(p) Pila	(i) Devil fish
(q) Dentalium	(ii) Chiton
(r) Chaetopleura	(iii) Apple snail
(s) Octopus	(iv) Tusk shell

(a) p - (ii), q - (i), r - (iii), s - (iv) (b) p - (iii), q - (iv), r - (ii), s - (i)

(c) p - (ii), q - (iv), r - (i), s - (iii) (d) p - (i), q - (ii), r - (iii), s - (iv)

20) In which of the following phyla, the adult shows radial symmetry but the larva shows bilateral symmetry?

(a) Mollusca (b) Echinodermata (c) Arthropoda (d) Annelida

21) Which of the following is correctly matched?

(a) Physalia - Portuguese man of war (b) Pennatulata - Sea fan (c) Adamsia - Sea pen

(d) Gorgonia - Sea anemone

22) Pickup the features of chordate

- (a) Presence of ventral heart
- (b) Presence of dorsal nerve cord
- (c) Heart is neurogenic
- (d) Heart is myogenic

(a) a & c (b) d only (c) a, b & d (d) a & b

23) Match the following columns and select the correct option

Column I	Column II
(p) Devil fish	(i) Sepia
(q) Squid	(ii) Pila
(r) Mussel	(iii) Pinctada
(s) Cuttle fish	(iv) Lamellidens
(t) Pearl oyster	(v) Octopus
(u) Apple snail	(vi) Loligo

(a) p - ii, q - iv, r - iii, s - i, t - v, u - vi (b) p - vi, q - v, r - iii, s - ii, t - i, u - iv

(c) p - v, q - vi, r - iv, s - i, t - iii, u - ii (d) p - v, q - vi, r - iv, s - i, t - iii, u - ii

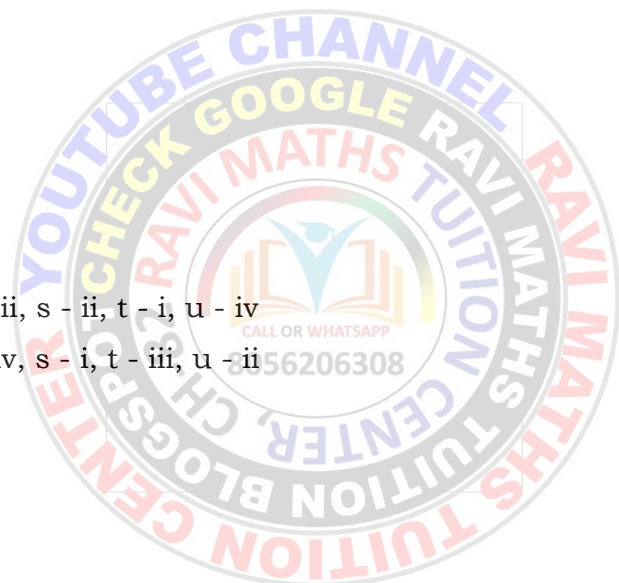
24) Match the following

- i) Flame cells - (p) Cnidoblasts
- ii) Collar cells - (q) Solenocytes
- iii) Hollow bones - (r) Pneumatic
- iv) Stinging cells - (s) Choanocytes

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(a) i-s, ii-p, iii-q, iv-r (b) i-s, ii-p, iii-q, iv-r (c) i-p, ii-q, iii-r, iv-s (d) i-p, ii-q, iii-r, iv-s

25) Choose the correct statement with regard to Sponges.

- i) They have a opening called spongocoel.
- ii) They reproduce asexually by gemma formation.
- iii) Nutrition is intracellular.
- iv) Canal system is present

(a) ii & iii (b) iii & iv (c) i only (d) All the above

26) Parenchymula is the larval stage of Phylum \_\_\_\_\_

- (a) Cnidaria (b) Porifera (c) Coelenterata (d) Platyhelminthes

27) Identify the feature that is unique to planaria

- (a) Parasitic (b) Polyembryony (c) Regeneration (d) Pseudo segmentation

28) The first segmented animals to evolve were the \_\_\_\_\_

- (a) Annelids (b) Arthropods (c) Molluscs (d) Echinoderms

29) Presence of a copper-containing respiratory pigment is seen in Phylum \_\_\_\_\_ .

- (a) Echinodermata (b) Chordata (c) Mollusca (d) Aschelminthes

30) \_\_\_\_\_ show anadromous migration.

- (a) Bony fishes (b) Cyclostomes (c) Cartilaginous fishes (d) Blue whale

31) For the first time development of four-chambered heart is seen in \_\_\_\_\_

- (a) Tunicates (b) Urochordates (c) Reptilia (d) Man

32) In Aves \_\_\_\_\_ is absent.

- (a) Ureter (b) Kidney (c) Urinary bladder (d) Ovary

33) \_\_\_\_\_ have a great capacity of regeneration.

- (a) Physalia (b) Planaria (c) Trygon (d) Ctenophora

34) \_\_\_\_\_ is not associated with platyhelminthes.

- (a) Pseudosegmentation (b) Flame cells (c) Cercaria (d) Comb plates

35) Sea squirts refers to \_\_\_\_\_

- (a) Hemichordates (b) Vertebrates (c) Jelly fishes (d) Urochordates

36) \_\_\_\_\_ is a flightless bird

- (a) Sparrow (b) pithohui (c) Kiwi (d) Cuckoo

37) Air sacs are associated with lungs in \_\_\_\_\_

- (a) Reptiles (b) Birds (c) Amphibians (d) Mammals

38) Hibernation and aestivation are seen in \_\_\_\_\_

- (a) Amphibia (b) Aves (c) Reptiles (d) Mammals

39) SACON is located in \_\_\_\_\_

- (a) Tirunelveli (b) Trichy (c) Madurai (d) Coimbatore

40) \_\_\_\_\_ is not a cartilaginous fish.

- (a) Trygon (b) Scoliodon (c) Myxine (d) Pristis

41) Pseudosegmentation is seen in \_\_\_\_\_

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(a) Annelids (b) Arthropoda (c) Platyhelminthes (d) Aschelminthes

42) Which of the following statements is incorrect?

(a) Radial symmetry is seen in Echinoderms (b) Taenia is an endoparasite.

(c) Fasciola is a Eucoelomate (d) Mesoglea is seen in Jellyfishes

43) Excretory organs are absent in \_\_\_\_\_

(a) Annelids (b) Arthropoda (c) Echinodermata (d) Mollusca

44) The state bird of Tamilnadu is \_\_\_\_\_

(a) Corvus (b) Columba (c) Chalcophaps indica (d) Neophron

45) Biradial symmetry is seen in \_\_\_\_\_

(a) Star fish (b) Comb jelly fish (c) Sea anemone (d) Sponge

46) The special flagellated cells lining the spongocoel is:

(a) Choanocytes (b) Cnidocytes (c) Nematocyst (d) Lasso cells

47) The minute pores lining the body wall of Porifera are called \_\_\_\_\_

(a) Osculum (b) Podia (c) Ostia (d) Gills

48) The central body cavity of poriferans are \_\_\_\_\_

(a) Gastrocoel (b) Coelom (c) Haemocoel (d) Spongocoel

49) The free swimming ciliated larval form of Crinia is \_\_\_\_\_

(a) Planula larva (b) Parenchymula larva (c) Amphiblastula larva (d) Veliger larva

50) In case of flatworms the specialized excretory cells are named as \_\_\_\_\_

(a) Nematocysts (b) Flame cells (c) Nephridia (d) Malpighian tubules

51) Nereis has lateral appendages called \_\_\_\_\_

(a) Parapodia (b) Body setae (c) Foot (d) Tube feet

52) The special cells of Ctenophora help in food capture is \_\_\_\_\_

(a) Cnidoblasts (b) Choanocytes (c) Flame cells (d) Colloblasts

53) \_\_\_\_\_ are the organs of balance in Arthropods.

(a) Nematocysts (b) Statocysts (c) Choanocytes (d) Cochlea

54) \_\_\_\_\_ is the largest phylum of the kingdom Animalia.

(a) Annelida (b) Arthropoda (c) Aschelminthes (d) Echinodermata

55) The second largest animal phylum is \_\_\_\_\_

(a) Ctenophora (b) Arthropoda (c) Mollusca (d) Coelenterata

56) The anterior head region of molluscs has got this organ which helps to test the purity of water \_\_\_\_\_

(a) Ostia (b) Ospharidium (c) Ossicles (d) Gills

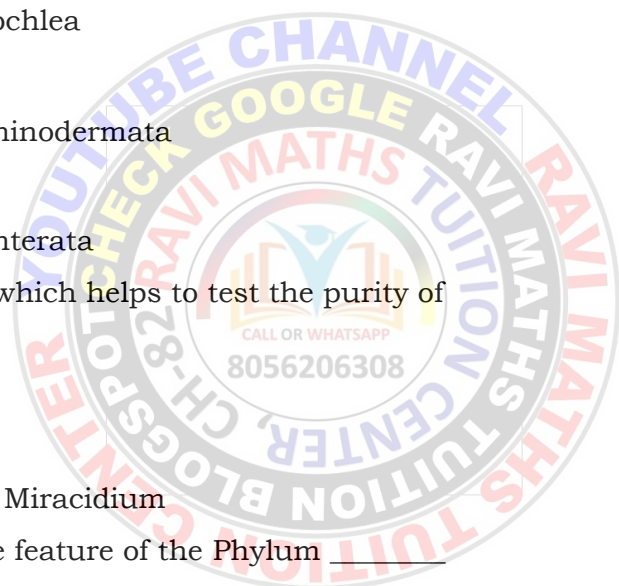
57) The larva of Nereis is \_\_\_\_\_

(a) Planula (b) Tomaria larva (c) Trochophore larva (d) Miracidium

58) Presence of a water vascular system is the most distinctive feature of the Phylum \_\_\_\_\_

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(a) Mollusca (b) Spongia (c) Nematocyst (d) Arthropoda [www.TrbTnpsc.com](http://www.TrbTnpsc.com)

59) The mantle cavity of the molluscs has got number of feather like gills, which are respiratory and excretory in function are \_\_\_\_\_

(a) Book lungs (b) Trachea (c) Ambulacral system (d) Ctenidia

60) The phylum Hemichordata are mostly tubicolous and commonly called \_\_\_\_\_

(a) Flat worms (b) Round worms (c) Tongue worms (d) Parasitic worms

61) The free swimming larva of Hemichordata are called \_\_\_\_\_

(a) Tornaria larvae (b) Planula larvae (c) Trochophore larvae (d) Cercaria larvae

62) The tunicates are normally called \_\_\_\_\_

(a) Sea squirts (b) Sea anemone (c) Sea-walnuts (d) Sea urchin

63) The chondrichthyes has got this type of gills helps for respiration \_\_\_\_\_

(a) Filamentous gills (b) Lamelliform gills (c) Filiform gills (d) Ambulacral system

64) The excretory organ of Chondrichthyes are \_\_\_\_\_

(a) Pronephric kidneys (b) Opisthonephric kidneys (c) Mesonephric kidneys  
(d) Metanephric kidneys

65) The excretory organ of Osteichthyes are:

(a) Mesonephric kidneys (b) Opisthonephric kidneys (c) Holonephric kidneys  
(d) Metanephric kidneys

66) The eggs of Aves are of \_\_\_\_\_ type.

(a) Microlecithal (b) Mesolecithal (c) Megalecithal (d) Homolecithal

67) The mature RBCs are non - nucleated in \_\_\_\_\_

(a) Molluscs (b) Mammals (c) Fishes (d) Birds

68) Match:

(i) Scoliodon	(a) Electric ray
(ii) Trvzon	(b) Stinz ray
(iii) Tomedo	(c) Lamnrev
(iv) Pristis	(d) Dozfish
(v) Petromvzon	(e) Sawfish

(a) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(e), (v)-(c) (b) (i)-(c), (ii)-(d), (iii)-(b), (iv)-(a), (v)-(c)

(c) (i)-(a), (ii)-(c), (iii)-(e), (iv)-(b), (v)-(d) (d) (i)-(c), (ii)-(e), (iii)-(d), (iv)-(b), (v)-(a)

69) Match:

(i) Sycon	(a) Bath sponges
(ii) Euspongia	(b) Glassrope sponge
(iii) Euplectella	(c) Scypha
(iv) Hyalonema	(d) deadman's finger
(v) Chalina	(e) Venus flower baskets

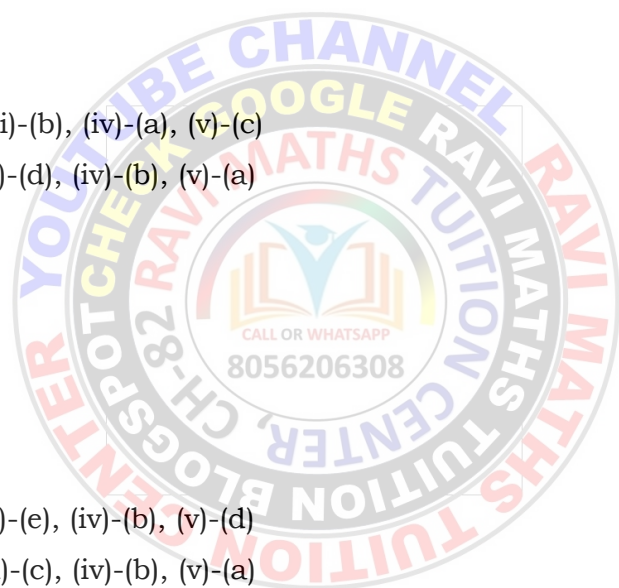
(a) (i)-(b), (ii)-(c), (iii)-(d), (iv)-(e), (v)-(a) (b) (i)-(c), (ii)-(a), (iii)-(e), (iv)-(b), (v)-(d)

(c) (i)-(a), (ii)-(c), (iii)-(b), (iv)-(d), (v)-(e) (d) (i)-(e), (ii)-(d), (iii)-(c), (iv)-(b), (v)-(a)

70) Which of the following has loose aggregates of cells without tissues.

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(a) cnidarians (b) flatworms (c) sponges (d) echinoderms

71) Which of the following has open type of circulation?

(a) frogs (b) garden lizard (c) man (d) cockroach

72) Which of the following is advantageous for the animals in locomotion, food capture etc.?

(a) asymmetrical (b) radially symmetrical (c) biradially symmetrical  
(d) bilaterally symmetrical

73) Which of the following restricts the free movement of internal organs?

(a) acoelom (b) pseudocoelom (c) schizocoelom (d) enterocoelom

74) Radiata include \_\_\_\_\_

(a) diploblastic and bilaterally symmetrical animals.  
(b) Triploblastic and radially symmetrical animals.  
(c) Diploblastic and radially symmetrical animals.  
(d) Triploblastic and bilaterally symmetrical animals.

75) The minute pores on the body of sponges are called \_\_\_\_\_

(a) osculum (b) ostia (c) choanocytes (d) spongocoel

76) Which of the following statements is correct?

(a) Polyp forms are free living (b) Medusa forms are sessile  
(c) Medusa produces gametes (d) Polyp reproduces sexually

77) Which of the following is the adaptation of flatworms for the endoparasitic mode of life?

(a) They are dorsoventrally flattened (b) They have hooks, suckers or both  
(c) Their body is not segmented (d) They reproduce sexually

78) Sexual dimorphism is seen in \_\_\_\_\_

(a) Sycon (b) Hydra (c) Live fluke (d) Ascaris

79) Which of the following shows metameric segmented body?

(a) Aschelminthes (b) Annelida (c) Arthropoda (d) Platyhelminthes

80) Which of the following is the characteristic feature of the phylum Arthropoda?

(a) They have segmented legs (b) They have collablasts for food capture  
(c) They are endoparasites of animals. (d) They do not have chitinous exoskeleton.

81) Which of the following is the rasping organ of molluscs found in the mouth?

(a) radula (b) pallium (c) visceral mass (d) mantle

82) Which of the following is bilaterally symmetrical in larval stages and radially symmetrical in adult?

(a) molluscs (b) echinoderms (c) Arthropods (d) Annelids

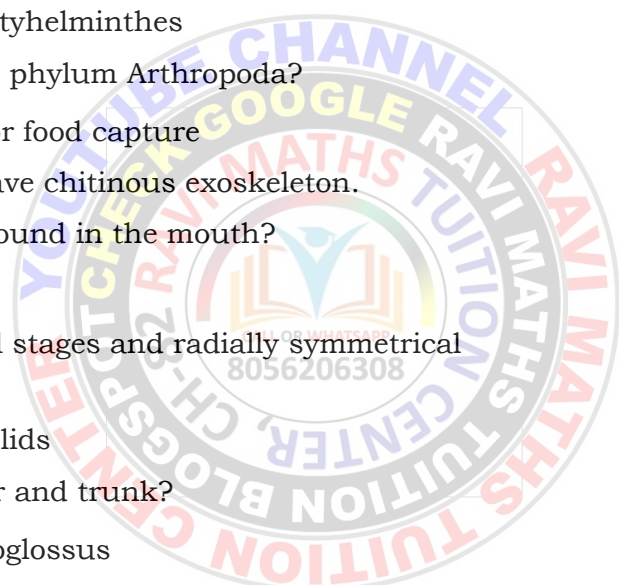
83) Which of the following has the anterior proboscis, collar and trunk?

(a) Ascidian (b) Star fish (c) Sea cucumber (d) Balanoglossus

84) Urochordate means \_\_\_\_\_

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- (a) Chordates which have notochord in the head region [www.Trb Tnpsc.com](http://www.Trb Tnpsc.com)  
(b) Chordates which have notochord in the tail region of larval forms.  
(c) Chordates which have notochord in the tail region of adults.  
(d) Chordates which have no notochord

85) Which of the following loses all the chordate characters in the adults stage?

- (a) Cephalochordates (b) Hemichordates (c) Tunicates (d) Chordates

86) Which of the following has cartilagenous endoskeleton with notochord?

- (a) Exocoetus (b) Labeo (c) Hyla (d) Scolidon

87) Which is the class of animals adapted for dual mode of life?

- (a) Pisces (b) amphibia (c) reptilia (d) mammalia

88) Which of the following in the flight adaptation of birds?

- (a) Pneumatic bones and strong flight muscles (b) Homeothermic condition  
(c) Migration to distant places (d) Presence of horny covering on the beak

89) Which of the following are truly terrestrial animals?

- (a) Lung fishes (b) Amphibians (c) Mammals (d) Reptiles

90) Classification of sponges is primarily based on the \_\_\_\_\_

- (a) body organization (b) body plan (c) skeleton (d) canal system

91) Cavity of coelenterates is called \_\_\_\_\_

- (a) coelenteron (b) coelom (c) cavity (d) none of these

92) Medusa is the Reproductive organs of \_\_\_\_\_

- (a) Hydra (b) Aurelia (c) obelia (d) sea anemone

93) Phylum of Taenia solium is \_\_\_\_\_

- (a) Aschelminthes (b) Annelids (c) platylhelminthes (d) mollusca

94) Ascaris is found in \_\_\_\_\_

- (a) body cavity (b) lymph nodes (c) tissue (d) alimentary canal

95) Book lungs are respiratory organs in \_\_\_\_\_

- (a) Insects (b) Aarachnids (c) Molluscans (d) Echinoderms

96) The excretory organ in cockroach is \_\_\_\_\_

- (a) malplghian corpuscle (b) Malpighian tubules (c) green gland (d) Metanephridia

97) In cockroach, vision is due to \_\_\_\_\_

- (a) one compound eye (b) two compound eyes (c) two simple eyes  
(d) two compound and two simple eyes

98) Which of the following respire through gills \_\_\_\_\_

- (a) whale (b) Turtle (c) frog (d) Prawns

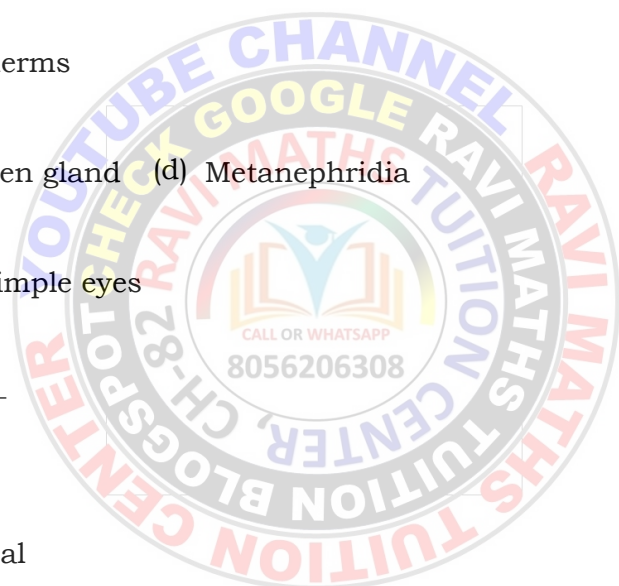
99) Animals which active at night are called \_\_\_\_\_

- (a) diurnal (b) nocturnal (c) parasites (d) nocto-diurnal

100) Salient features of Arthropoda is \_\_\_\_\_

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(a) aquatic and free living (b) Not continuous exoskeleton and jointed appendages

(c) radulla (d) none of those

101) The second largest number of species containing phylum in the animal kingdom is \_\_\_\_\_

(a) Annelida (b) Arthropoda (c) Mollusca (d) Chordata

102) Mollusca is \_\_\_\_\_

(a) Triploblastic, acoelomate (b) Triploblastic, coelomate (c) Diploblastic, acoelomate  
(d) Diploblastic, coelomate

103) Tube feet are the locomotory organs of \_\_\_\_\_

(a) Platyhelminthes (b) Echinodermata (c) Mollusca (d) Arthropoda

104) Given below are four matchings of an animal and its kind of respiratory organ

A) Silverfish - Trachea  
B) Scorpion - Book lung  
C) Sea squirt - Pharyngeal gills  
D) Dolphin - Skin

The correct matchings are \_\_\_\_\_

(a) A and B (b) A,B and C (c) B and D (d) C and D

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

(a) Pheretima - Sexual dimorphism (b) Rana - Complete metamorphosis  
(c) Chameleon - Mimicry (d) Taenia - Polymorphism

106) Two common characters found in centipede, cockroach, and crab and \_\_\_\_\_

(a) book lungs and antennae (b) compound eyes and anal cerci  
(c) joint legs and chitinous exoskeleton (d) green gland and tracheae

107) Which one of the following groups of animals is bilaterally symmetrical and triploblastic?

(a) aschelminthes (round worms) (b) ctenophores (c) sponges  
(d) coelenterates (cnidarians)

108) Which one feature is common to leech, cockroach and scorpion \_\_\_\_\_

(a) nephridia (b) ventral nerve cord (c) cephalization (d) antennae

109) Which one of the following features is common in silverfish, scorpion, dragonfly and prawn?

(a) Three pairs of legs and segmented body  
(b) Chitinous cuticle and two pairs of antennae  
(c) Jointed appendages and chitinous exoskeleton (d) Cephalothorax and trachea

110) Peripatus is known as a connecting link, because it has the characters of both \_\_\_\_\_

(a) Fishes & amphibians (b) Reptiles & birds (c) Aves & fishes  
(d) Arthropoda & annelids

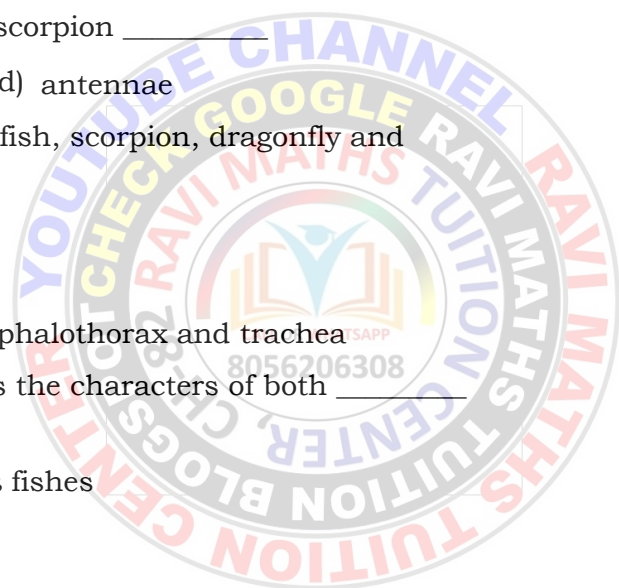
111) Osphradium of Pila globosa is \_\_\_\_\_

(a) thermoreceptor (b) Pheretima (c) chemoreceptor (d) tangoreceptor

112) Green glands present in some aquatic molluscs are \_\_\_\_\_

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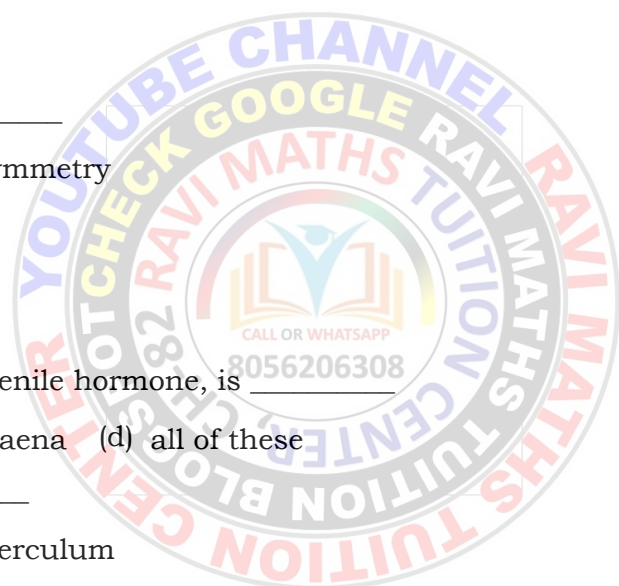


- (a) respiration (b) excretion (c) digestion (d) none of these
- 113) Squid, cuttle fish and Octopus belongs to class of \_\_\_\_\_  
(a) decapoda (b) scaphopoda (c) cephalopoda (d) apods
- 114) The canal system is a characteristic feature of \_\_\_\_\_  
(a) sponges (b) echinoderms (c) helminthes (d) coelenterates
- 115) Malpighian tubules are \_\_\_\_\_  
(a) excretory organs of insects (b) excretory organs of frog  
(c) respiratory organs of insects (d) endocrine glands of insects
- 116) Caterpillar and maggot are \_\_\_\_\_  
(a) larvae (b) nymphs (c) adults (d) pupa
- 117) Tube feet are the characteristic structures of  
(a) jellyfish (b) starfish (c) cuttlefish (d) crayfish
- 118) Hormone, which helps in metamorphosis in insects is \_\_\_\_\_  
(a) pheromone (b) ecdysone (c) thyroxine (d) all of these
- 119) The muscles associated with the heart of insects are \_\_\_\_\_  
(a) alary (b) striped (c) radial (d) pericardial
- 120) Which of the following organisms is pseudocoelomate?  
(a) hookworm (b) liver fluke (c) jelly fish (d) leech
- 121) Which of the following is not reported to have any fresh water forms?  
(a) Mollusca (b) Sponges (c) Coelenterates (d) echinoderms
- 122) Pseudocoelom is not found in \_\_\_\_\_  
(a) Ascaris (b) Ancylostoma (c) Fasciola (d) none of these
- 123) Animals devoid of respiratory, excretory and circulatory organs are belongs to phylum \_\_\_\_\_  
(a) echinodermata (b) platyhelminthes (c) porifera (d) mollusca
- 124) Cilia of gills of bivalve molluscs help in \_\_\_\_\_  
(a) protection (b) respiration (c) excretion (d) feeding
- 125) All flat worms differ from all round worms in having \_\_\_\_\_  
(a) triploblastic body (b) solid mesoderm (c) bilateral symmetry  
(d) metamorphosis in the life history
- 126) Parthenogenesis can be seen in \_\_\_\_\_  
(a) frog (b) honey bee (c) moth (d) all of these
- 127) The endocrine gland of insects, which secretes they juvenile hormone, is \_\_\_\_\_  
(a) corpora allata (b) corpora albicans (c) corpora myecaena (d) all of these
- 128) In mollusca, eye is present over a stalk called \_\_\_\_\_  
(a) osphradium (b) ostracum (c) ommatophore (d) operculum
- 129) Which of the following symmetries is found in adult sea anemone?

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(a) radial (b) binomial (c) lateral (d) spherical [www.Trb TnpSC.com](http://www.Trb TnpSC.com)

130) Feeding in sponges takes place through \_\_\_\_\_

(a) choanocytes (b) nurse cells (c) ostia (d) osculum

131) Osphradium is meant for \_\_\_\_\_

(a) excretion (b) nutrition (c) selection and rejection of food (d) grinding of food

132) Excretory product of spider is \_\_\_\_\_

(a) uric acid (b) ammonia (c) guanine (d) none of these

133) Which of the following is not the character of Taenia sodium \_\_\_\_\_

(a) polysis (b) proglottid (c) metamerism (d) strobila

134) Daphnia is commonly known as \_\_\_\_\_

(a) clam shrimp (b) fairy shrimp (c) water fleas (d) tadpole shrimp

135) Wuchereria is found in \_\_\_\_\_

(a) lymph nodes (b) lungs (c) eye (d) gonds

136) "Turbellarians" are free living \_\_\_\_\_

(a) flatworms (b) trematodes (c) nematodes (d) cesrtodes

137) Polyp phase is absent in \_\_\_\_\_

(a) Physalia (b) Obselia (c) Hydra (d) Aurelia

138) Animals having pseudocoelomate and triploblastic nature are present in phyla \_\_\_\_\_

(a) annelida (b) arthropoda (c) aschelminthes (d) platyhelminthes

139) Primitive nervous system is formed in \_\_\_\_\_

(a) sponge (b) cnidaria (coelenterate) (c) echinodennata (d) annelida

140) Tissues are absent in the body of \_\_\_\_\_

(a) sponge (b) annelida (c) platyhelminthes (d) arthropoda

141) Linrnulus belongs to class \_\_\_\_\_

(a) onychophora (b) insect (c) merostomata (d) crustacea

142) Ambulacral system is mainly useful for \_\_\_\_\_

(a) locomotion (b) feeding (c) circulation (d) defence

143) Which of the following is a excretory organ in mollusca?

(a) Keber's organ (b) nephridia (c) Malphingan organ (d) Flame cells

144) Mouth parts of housefly are \_\_\_\_\_

(a) Piercing and sucking type (b) Biting and sucking type  
(c) Sponging and sucking type (d) biting and chewing type

145) Anus is absent in \_\_\_\_\_

(a) Periplaneta (b) Unio (c) Fasciola (d) Pheretima

146) Asymmetry in gastropoda is due to \_\_\_\_\_

(a) twistig (b) torsion (c) coiling (d) none of these

147) The pigment haemocyanin is found in \_\_\_\_\_

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(a) mollusca (b) cnidaria (c) chinodermata (d) annelida [www.Padasalai.Net](http://www.Padasalai.Net) [www.Trb Tnpsc.com](http://www.Trb Tnpsc.com)

148) The development of adult characteristics in a moulting insect is promoted by \_\_\_\_\_

(a) pheromone (b) thyroxine (c) juvenile hormone (d) ecdysone

149) If you are given an insect, a spider, a Peripatus, and a crab, basing on which character you can identify an arachnid from others?

(a) one pair of legs (b) sense organs (c) four pairs of legs (d) number of wings

150) Choanocytes perform \_\_\_\_\_

(a) reproduction (b) nutrition (c) discretion of spicules (d) excretion

151) Common characteristics of cockroach, housefly and mosquito are \_\_\_\_\_

(a) one pair each of wings and halteres

(b) three pairs of legs and one pair of developed wings

(c) two pair of legs and two compound eye (d) compound and simple eyes

152) The secondary host of Taenia is \_\_\_\_\_

(a) snail (b) pig (c) man (d) dog

153) The exoskeleton of insect is made up of \_\_\_\_\_

(a) pectin (b) lignin (c) chitin (d) suberin

154) Collar cells are found in

(a) aschelminthes (b) cnidaria (c) arthropoda (d) sponges

155) Ommatidia are the units that constitute the compound eyes in \_\_\_\_\_

(a) Fish (b) Insects (c) Mammals (d) birds

156) Which of the following animals possesses ink gland?

(a) blue whale (b) scorpion (c) sea urchin (d) cuttle fish

157) Comb plates are present in \_\_\_\_\_

(a) echinoderms (b) ctenophores (c) annelids (d) molluscs

158) Which of the following does not belong to phylum cnidaria?

(a) Sea-pen (b) Sea lily (c) Sea-fan (d) Sea anemone

159) Protonephridia are the excretory structures present in \_\_\_\_\_

(a) Planaria (b) Roundworm (c) Tapeworm (d) Prawn

160) Which of the following is not an annelid?

(a) Leech (b) Earthworm (c) Sea mouse (d) Sea cucumbers

161) Blood worms are the larvae of \_\_\_\_\_

(a) Hirudinaria (b) Chironomus (c) Limulus (d) Daphnia

162) Pick the odd pair:

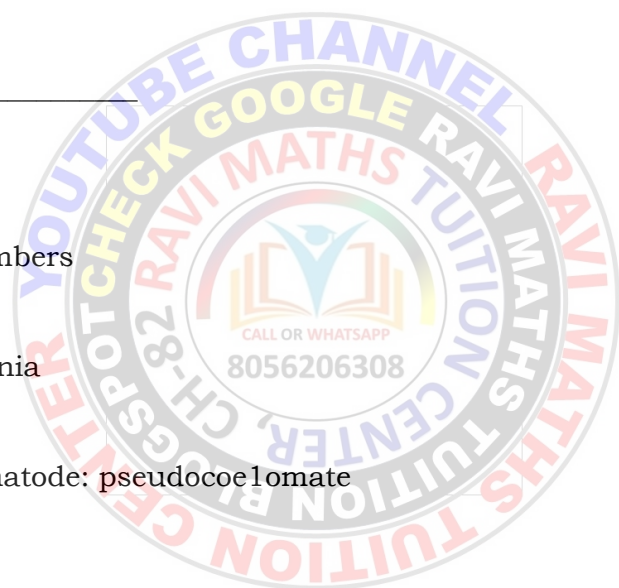
(a) Porifera: spicules (b) Scyphozoon: coral reef (c) Nematode: pseudocoelomate

(d) Cestoda: proglottid

163) Insect metamorphosis having larval stage is called \_\_\_\_\_

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(a) Incomplete metamorphosis (b) Retrogressive metamorphosis (c) Complete metamorphosis

(d) Complete metamorphosis

164) Which of the following is not an insect?

(a) Cockroach (b) Spider (c) Mosquito (d) bedbug

165) Which of the following enters intestine by penetrating through skin \_\_\_\_\_

(a) hook worm (b) Ascaris (c) Pin worm (d) filarial worm

166) In nemathelminthes the coelom is not lined by peritoneum is \_\_\_\_\_

(a) acoelom (b) pseudo coelom (c) enterocoelom (d) haemocoel

167) Leech secretes which of the following anticoagulant \_\_\_\_\_

(a) hirudin (b) heparin (c) serotonin (d) histamine

168) Canal system in porifera is not concerned with \_\_\_\_\_

(a) respiration (b) nutrition (c) sexual reproduction (d) none of these

169) Johnston's organ is present in \_\_\_\_\_

(a) antenna of insect (b) head of cockroach (c) abdomen of housefly  
(d) abdomen of spider

170) Which of the following is not an arachnid?

(a) spider (b) itchmite (c) louse (d) tick

171) Fasciola hepatica is

(a) hermaphrodite, self fertilizing (b) hermaphrodite, cross fertilizing (c) unisexual  
(d) both (a) and (b)

172) Match the excretory organs listed under column I with the animals given under column II. Choose the answer which gives the correct combination of alphabets of the column.

Column I	Column II
A Nephridia	p Hydra
B Malpighian tubules	q Leech
C protonephridia	r Shark
D kidneys	s Round worms
	t Cockroach

(a) A = q; B = t; C = s; D = r (b) A = s ; B= q; C= p; D= t (c) A = 1,"B = q;,C = s:,D = r

(d) A = q; B = s ; C =t ; D= p

173) Entomology is concerned with the study of \_\_\_\_\_

(a) formation and properties of soil (b) agricultural practices  
(c) various aspects of human life (d) various aspects of insects

174) Which phylum of the animal Kingdom is exclusively marine \_\_\_\_\_

(a) porifera (b) arthropoda (c) echinodermata (d) molluscs

175) Study of ticks and mites is \_\_\_\_\_

(a) Acarology (b) Entomology (c) Malacology (d) Carcinology

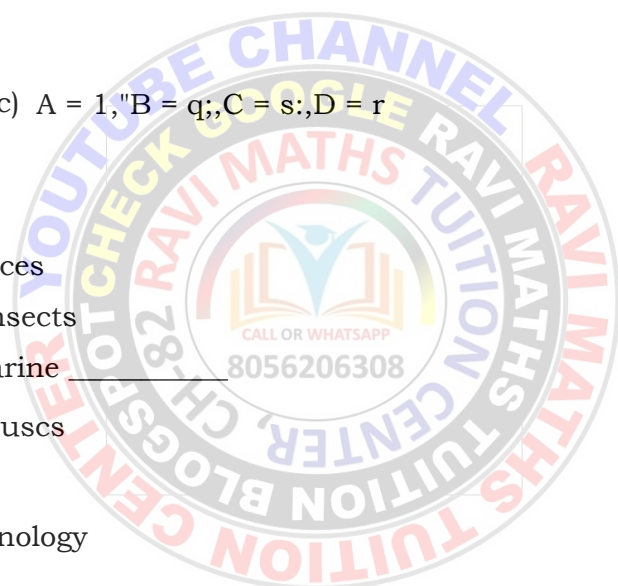
176) Larva of mosquito is \_\_\_\_\_

(a) maggot (b) caterpillar (c) grub (d) none of these

177) Transparent, hair, bristles and spines are characteristic of \_\_\_\_\_

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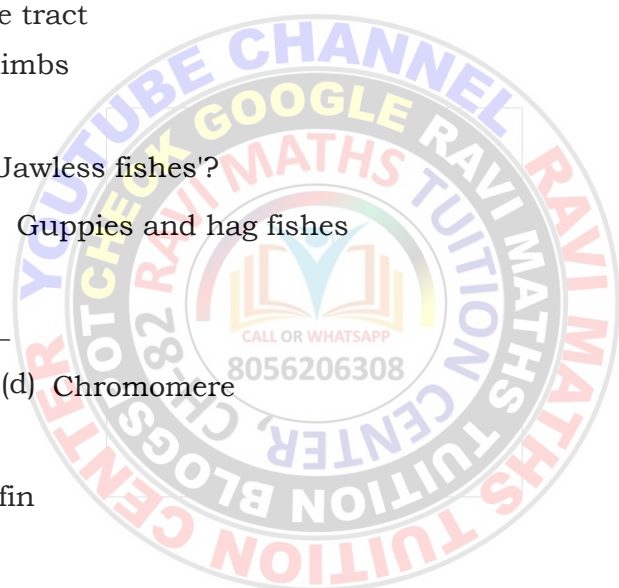


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- (a) trap heat (b) trap heat (c) reflect light (d) drink water
- 178) Which of the following traits is not the characteristic of echinodermat?
- (a) water vascular system (b) trochophore larva (c) Aristotle's lantern  
(d) radial and indeterminate cleavage
- 179) Which of the following is pseudocoelomate?
- (a) nematode (b) chordate (c) echinodermata (d) arthropoda
- 180) Which is not correct for sponges?
- (a) internal fertilization (b) external fertilization (c) gemmule formation  
(d) gametes are formed from epidermal cells.
- 181) Malpighian tubules remove excretory products from \_\_\_\_\_
- (a) Mouth (b) Haemolymph (c) Oesophagus (d) Alimentary canal
- 182) Which of the following cell type is capable of giving rise to other cell types in sponges?
- (a) Pinacocytes (b) Archaeocytes (c) Thesocytes (d) Collencytes
- 183) The infective stage of Entamoeba histolytica is \_\_\_\_\_
- (a) cyst (b) spore (c) egg (d) trophozoite
- 184) Gonads of Obelia occur in \_\_\_\_\_
- (a) on blastocyst (b) in hydrula stage (c) radial canals of medusa  
(d) bases of entacles of medusa
- 185) Which one of the following features is common to leech, cockroach and scorpion?
- (a) nephridia (b) ventral nerve cord (c) cephalization (d) antennae
- 186) Excretory organs of flatworms are \_\_\_\_\_
- (a) Malpighian tubules (b) Neprons (c) Protonephridia (d) Nnepridia
- 187) Sea cucumbers belong to class \_\_\_\_\_
- (a) Echinoidea (b) Holothuroidea (c) Ophiuroidea (d) Asteroidean
- 188) Which one of the following in birds, indicates their reptilian ancestry?
- (a) Two special chambers crop and gizzard in their digestive tract  
(b) Eggs with a calcareous shell (c) Scales on their hind limbs  
(d) Four-chambered hear
- 189) Which one of the following pairs of animals comprises 'Jawless fishes'?
- (a) Mackerals and rohu (b) Lampreys and hag fishes (c) Guppies and hag fishes  
(d) Lampreys and eels
- 190) Camouflage of chameleon is associated with \_\_\_\_\_
- (a) Chromoplast (b) Chromosome (c) Chromatophore (d) Chromomere
- 191) In fast swimming fishes, propulsion is due to \_\_\_\_\_
- (a) Pelvic fin (b) Pectoral fin (c) Dorsal fin (d) Caudal fin
- 192) Body temperature of cold blooded animals \_\_\_\_\_

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(a) is constant (b) Fluctuates with surrounding temperature (c) is very hot (d) is very cold

(c) Becomes very low (a) times (d) is very cold

193) Which of the following is an egg laying mammal?

(a) Kangaroo (b) Platypus (c) penguin (d) whale

194) Which of the following does not come under the class mammals?

(a) flying fox (b) hedgehog (c) manatee (d) lamprey

195) Which of the following is concerned with the formation of urea in rabbit \_\_\_\_\_

(a) spleen (b) kidney (c) blood (d) liver

196) Lateral line is present in \_\_\_\_\_

(a) dog fish (b) jelly fish (c) starfish (d) none of these

197) The largest and heaviest mammals in the world is \_\_\_\_\_

(a) blue whale (b) elephant (c) lion (d) tiger

198) Ichthyophis is a member of \_\_\_\_\_

(a) amphibian (b) mollusca (c) reptilian (d) annelid

199) Renal portal system is absent in \_\_\_\_\_

(a) reptiles (b) amphibians (c) reptiles and amphibians (d) birds

200) Bone marrow is absent in \_\_\_\_\_

(a) reptilian (b) amphibian (c) fishes (d) birds

201) Urea is formed in which organ in rabbit?

(a) liver (b) kidney (c) spleen (d) lung

202) Which of the following is not classified amphibian?

(a) frog (b) salamander (c) tortoise (d) ichthyophis

203) The excretory material of bony fish is \_\_\_\_\_

(a) urea (b) protein (c) ammonia (d) amino acid

204) Limbless amphibians belong to the order \_\_\_\_\_

(a) anura (b) urodela (c) gymnophiona (d) lissamphibia

205) Which of the following snakes is non-poisonous?

(a) cobra (b) krait (c) viper (d) python

206) Placoid scales are found in \_\_\_\_\_

(a) reptilia (b) bony fishes (c) cartilaginous fishes (d) amphibians

207) Which of the following is a correct sequence of decreasing order of number of species?

(a) aves, pisces, reptiles, amphibians, mammals

(b) pisces, aves, reptiles, mammals, amphibians

(c) pisces, mammals, reptile, amphibians, aves

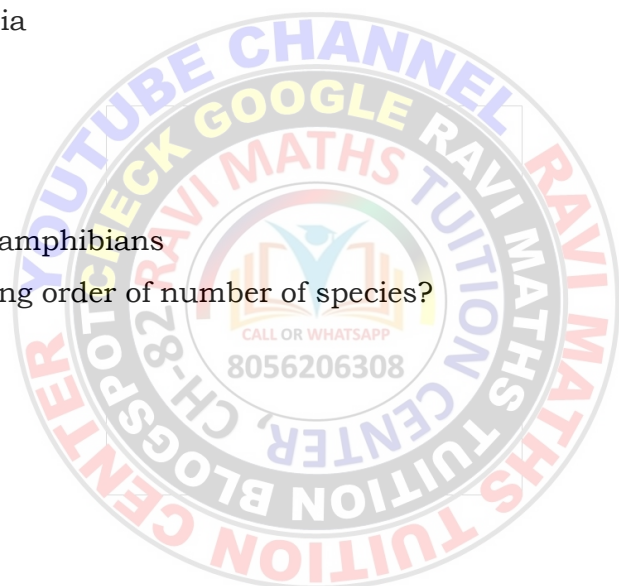
(d) amphibians aves, pisces, mammals, reptiles

208) Which is the National Aquatic animal of India \_\_\_\_\_

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(a) River Dolphin (b) Paduasaalai.net (c) Sea horse (d) Ganges Dolphin [www.Paduasaalai.net](http://www.Paduasaalai.net) [www.Knpsc.com](http://www.Knpsc.com)

209) An important characteristic that Hemichordates share with chordates is \_\_\_\_\_

- (a) Ventral tubular nerve chord
- (b) Pharynx with gill slits
- (c) Pharynx without gill slits
- (d) Absence of notochord

210) Body cavity lined by mesoderm is called \_\_\_\_\_

- (a) coelenteron
- (b) pseudocoel
- (c) coelom
- (d) blastocoel

211) Excretory organ in Balanoglossus are \_\_\_\_\_

- (a) nephridia
- (b) antennary gland
- (c) collar cord
- (d) proboscis gland

212) Reptiles share which of the following character with birds and mammals?

- (a) Amnion
- (b) Homeothermy
- (c) Diaphragm
- (d) Nipple

213) Cowper's gland is present in \_\_\_\_\_

- (a) Frog
- (b) Earthworm
- (c) Rabbit
- (d) Cockroach

214) Which of the following pairs belong to the category of cold blooded animals?

- (a) bat & rate
- (b) snakes & birds
- (c) frog & snakes
- (d) birds & monkey

215) The character of birds without exception is \_\_\_\_\_

- (a) omnivorous
- (b) beak without teeth
- (c) flying wings
- (d) lay eggs with calcareous shells

216) Quill feathers the base of quill wings are called \_\_\_\_\_

- (a) remiges
- (b) coverts
- (c) barbules
- (d) down feathers

217) Which of the following pair of organisms are uricotelic?

- (a) cartilaginous fishes and mammals
- (b) reptiles and mammals
- (c) birds and insects
- (d) bony fishes and lizards

218) In the urinogenital organs of rabbit which one of following part is present in male but not in female?

- (a) Urethra
- (b) Fallopian tube
- (c) Vagina
- (d) Vas deferens

219) Which one of the following features is present in some stage of the life history of all chordates \_\_\_\_\_

- (a) Blood flowing forward in dorsal blood vessel
- (b) Pharyngeal gill slits
- (c) A ventral hollow nerve cord
- (d) Heart lying dorsally

220) Thoracic cage in rabbit is made up of \_\_\_\_\_

- (a) Ribs, vertebral column & diaphragm
- (b) Ribs, diaphragm & sternum
- (c) Vertebral column, diaphragm & sternum
- (d) Ribs, vertebral column & sternum

221) Triploblastic, schizocoelic, unsegmented soft bodied animals belongs to the phylum \_\_\_\_\_

- (a) annelid
- (b) mollusca
- (c) nemathelminthes
- (d) none of the above

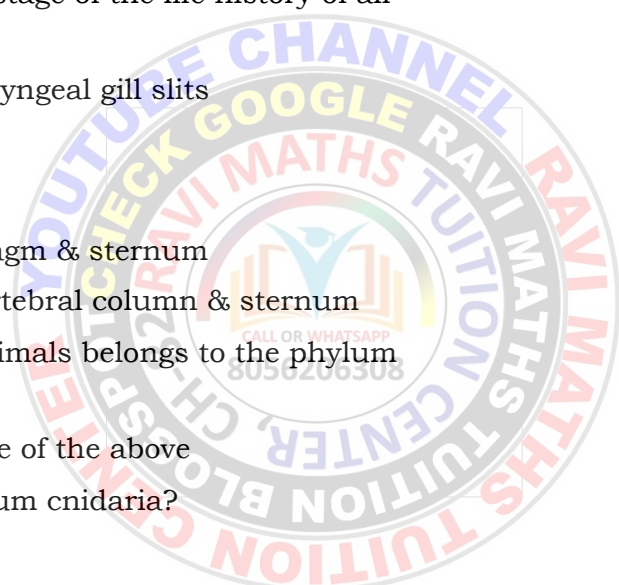
222) Which one of the following animals belongs to the phylum cnidaria?

- (a) silver fish
- (b) squid
- (c) jelly fish
- (d) Echidna

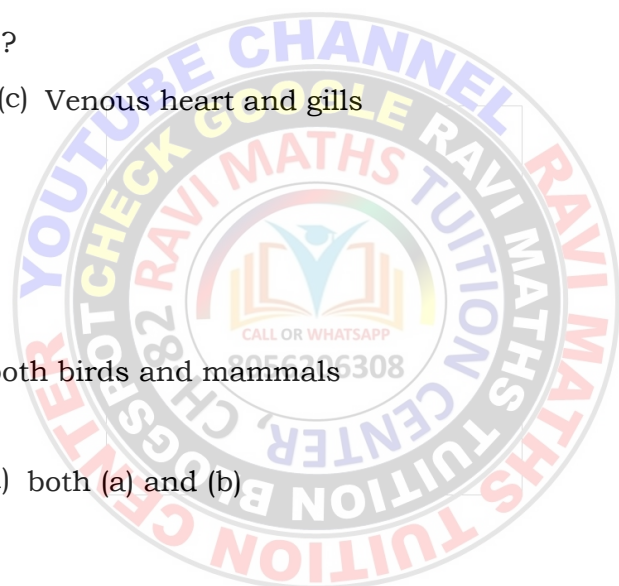
223) Palaemon (prawn) is a \_\_\_\_\_

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- (a) fish (b) insect (c) mollusc (d) crustacean
- 224) Tapeworm occurs as a parasite in \_\_\_\_\_
- (a) liver (b) stomach (c) intestine (d) all of these
- 225) What distinguishes an insects from crustacean?
- (a) number of eyes (b) arrangement of nerve cords (c) number of appendages  
(d) presence of wings.
- 226) Leeches are usually \_\_\_\_\_
- (a) herbivorous (b) insectivorous (c) carnivorous (d) sanguvorous
- 227) Wicheria bancrofit is a common filarial worm. It belongs to the phylum \_\_\_\_\_
- (a) Platyhelminthes (b) Nematelminthes (c) Annelid (d) Coelenterate
- 228) The dioecius animal is \_\_\_\_\_
- (a) Liver fluke (b) Aurella (c) Tapeworm (d) Earthworm
- 229) One of the following is a very unique feature of the mammals \_\_\_\_\_
- (a) Homeothermy (b) Presence of diaphragam (c) Four chambered heart (d) Rib cage
- 230) Uricotelisum is found in \_\_\_\_\_
- (a) Mammals and birds (b) Fishes and fresh water protozoans  
(c) Birds, reptiles and insects (d) Frogs and toads
- 231) Which one of the following characters is not typical of the class mammalian?
- (a) Thecodont dentition (b) Alveolar lungs (c) Ten pairs of cranial nerves  
(d) Seven cervical vertebrate
- 232) Which of the following has exoskeleton of scales and paired copulatory organ or penis?
- (a) Sharks (b) Lizards (c) Urodela (d) Urochordata
- 233) Laterally compressed tail is found in \_\_\_\_\_
- (a) Fresh water snakes (b) Terrestrial snakes (c) Marine non-poisonous snakes  
(d) Marine poisonous snakes
- 234) Which of the following is characteristic feature of fishes?
- (a) Tail and venous heart (b) Epidermal scales and tail (c) Venous heart and gills  
(d) Epidermal scales and gills
- 235) Similarity between fish and tadpole is \_\_\_\_\_
- (a) Scales (b) Legs (c) Lateral line (d) Fins
- 236) Right aortic arch is present in \_\_\_\_\_
- (a) reptiles only (b) mammals only (c) birds only (d) both birds and mammals
- 237) Kidney of adult reptiles \_\_\_\_\_
- (a) a) measonephric (b) metanephric (c) Pronephric (d) both (a) and (b)
- 238) Marine fishes drink sea water to \_\_\_\_\_





- (a) meet their body salt requirements (b) compensate loss of water from their body  
 (c) flush out nitrogenous wastes from their body (d) achieve all of the above

239) In which of the following fishes the males have brood pouch, where eggs laid by the femal remain till they hatch?

- (a) Lung fish (b) Climbing perch (c) Salmon (d) Sea horse

240) Match the names of branches of science listed under column-I with the field study given under column-II choose the choice which gives the correct combination of the alphabets,

Column-I	Branch of Science	Column-II	Field of study
A	Mycology	p	Study of birds
B	Ornithology	q	Study of worms
C	Herpetology	r	Study of fishes
D	Ithyology	s	Study of fungi
		t	Study of reptiles

- (a) A=s, B=p, C=t, D=r (b) A=q, B=s C=r, D=t (c) A=s, B=t, C=p, D=r  
 (d) A=p, B=s, C=r, D=t

241) Which of the following are uricotelic animals?

- (a) rohu and frog (b) camel (c) lizard and crow (d) earthworm and eagle

242) Identify the edible fresh water teleosts \_\_\_\_\_

- (a) Sharks (b) Rays and skates (c) Hilsa ilisha (d) Catla catla

243) Turtles are \_\_\_\_\_

- (a) Pisces (b) Reptiles (c) Molluscans (d) Arthropods

244) Harversian systems are found in the bones of \_\_\_\_\_

- (a) Pigeon (b) Panther (c) Pipe fish (d) Python

245) Choose the correct combination of alphabets which matches the zoological names given under column I with their common names given under column-II

Column - I	Column -II
A Labeo rohita	E Jungle fow I
B Gallus gallus	F Carp
C Bos indicus	G Tussar silkmoth
D Antheraea mylitta	H cattle

- (a) A=F, B=G, C=E, D=H (b) A=G, B=E C=H, D=F (c) A=F, B=E, C=H, D=G  
 (d) A=F, B=E, C=G, D=H

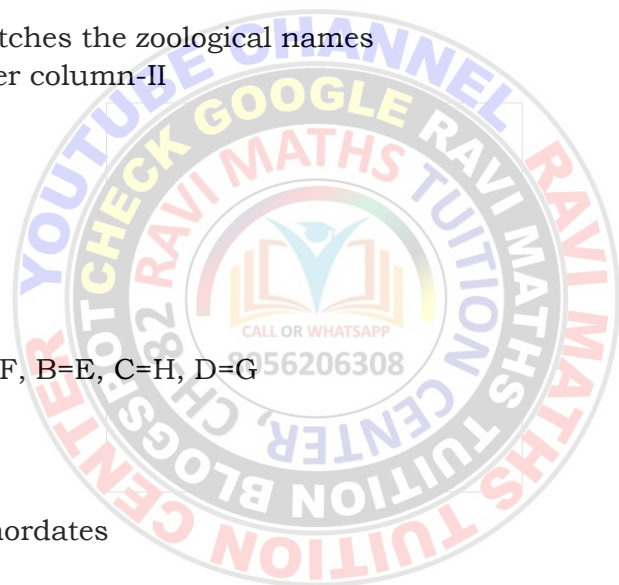
246) Which of the following statements is true

- (a) All chordates are vertebrates (b) All vertebrates are chordates  
 (c) Invertebrates possess a tubular nerve cord  
 (d) Nonchordates a have a vertebral column

247) Choose [kindly send me your key Answers to our email id - padasalai.net@gmail.com](mailto:padasalai.net@gmail.com)

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(a) *Cirrhina mrigala* (b) *Palaemon* (c) *Labeo rohita* (d) *Catla*

248) A four chambered heart is not found in \_\_\_\_\_.

(a) Mammals (b) Birds (c) Snake (d) Crocodile

249) *Calotes versicolor* is a \_\_\_\_\_

(a) House lizard (b) Rock lizard (c) Garden lizard (d) Flying lizard

250) Scientific name of king cobra is \_\_\_\_\_

(a) *Naja naja* (b) *Amphiliabs* (c) *Naja Hannah* (d) *Vipera russelli*

251) Branch of zoology dealing with the study of amphibians and reptiles is called \_\_\_\_\_

(a) Ichthyology (b) Ornithology (c) Herpetology (d) Malacology

252) Adaptation of colour vision is found in \_\_\_\_\_

(a) Mammals (b) Aves (c) Reptiles (d) All of these

253) Epidermal scale is the characteristic feature of class reptilian, which of the following class is without epidermal scale?

(a) Fish (b) Aves (c) Mammals (d) Amphibians

254) Duck-billed platypus is a connecting link between \_\_\_\_\_

(a) Reptile & bird (b) Living and non-living (c) Reptile & mammal  
(d) Echinodermata & chordate

255) In sharks, one of the following is absent \_\_\_\_\_

(a) Claspers (b) Placoid scales (c) Cartilaginous endoskeleton (d) Air bladder

256) Which one of the following animals belongs to cyclostomata?

(a) *Channa* (b) *Loris* (c) *Dodo* (d) *Pertomyzon*

257) Which of the following is dominant in desert?

(a) Lizard (b) Tiger (c) Leopard (d) hyla

258) Two examples in which the nitrogenous wastes are excreted from body in the form of uric acid are \_\_\_\_\_

(a) birds and lizards (b) insects and bony fishes (c) mammals and molluscs  
(d) frogs and cartilaginous fishes

259) The arrangement of ear ossicles in mammalian ear is \_\_\_\_\_

(a) stapes malleus, incus (b) malleus, incus, stapes (c) incus, malleus, stapes  
(d) columella, malleus, incus

260) Snake has \_\_\_\_\_

(a) movable eyelids (b) immovable eyelids (c) no eyelids (d) eyelids in pouches

261) Which among these is correct combination of aquatic mammals?

(a) Dolphins, seals, Trogon (b) Whales, Dolphin, Seals (c) Trygon, Whales, Seals  
(d) Seals, Dolphin, Sharks

262) In case of poriferance, the spongocoel is lined with flagellated cells called \_\_\_\_\_

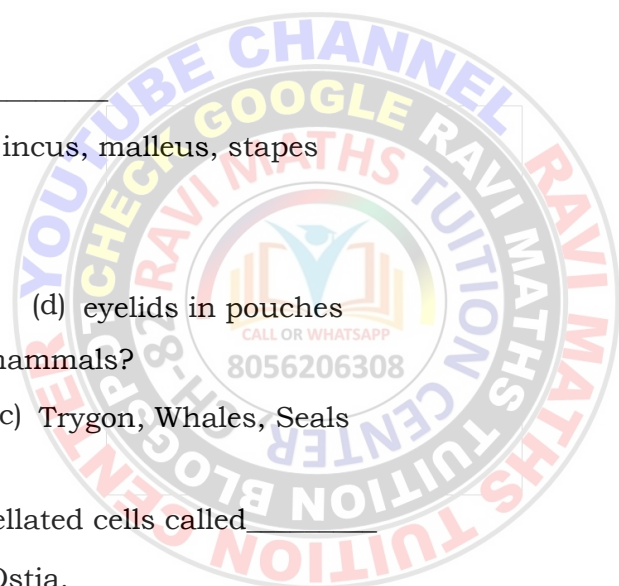
(a) Oscula (b) Coenocytes (c) Mesenchymal cells (d) Ostia.

263) Match the following.

i) Flame cells (ii) Cnidoblasts

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ii) Collar cells	(q) Selenocytes
iii) Hollow bones	(r) Pneumatic
iv) Stinging cells	(s) Choanocytes

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(a) i-s, ii-p, iii-q, iv-r (b) i-q, ii-r, iii-s, iv-p (c) i-p, ii-q, iii-r, iv-s (d) i-q, ii-s, iii-r, iv-p

264) Which one of the following features are present in the phylum annelida?

(a) Chitinous oxoskeleton (b) Jointed appendages (c) Parapodia (d) Coxal glands

265) Which are the 1<sup>st</sup> and 2<sup>nd</sup> largest phyla of kingdom animalia respectively?

(a) Mollusca, Arthropoda (b) Arthropoda, Mollusca (c) Chordata and Arthropoda  
(d) Arthropoda and Chordata

266) which of the following have only cellular organization?

(a) Protozoa (b) Protozoa and porifera (c) Porifera and Cnidaria  
(d) Cnidaria and Helminthes

267) Which of the following phylum / phyla, does not/don't involve in the advancement of evolution?

(a) Porifera (b) Cnidaria (c) Protozoa (d) Annelida

268) Which of the following animals belong to bilateria but their adult forms belong to asymmetrical?

(a) Pila (b) Starfish (c) Sea lily (d) Sea cucumber

269) Which of the following animals belong to bilateria but their adults are pentaradial symmetrical?

(a) Starfish (b) Pila (c) Chiton (d) Unio

270) The presence of water canal system is the unique feature of \_\_\_\_\_.

(a) Echinodermata (b) Porifera (c) Arthropoda (d) Annelida

271) What is the unique feature of chordates?

(a) Presence of chordo dorsalis (b) Presence of aquatic habitats  
(c) Presence of dorsal heart (d) Presence of 4 chambered heart

272) The presence of water vascular system is the characteristics feature of \_\_\_\_\_.

(a) Echinodermata (b) Mollusca (c) Arthropoda (d) Annelida

273) Ctenidia are the respiratory organs of \_\_\_\_\_.

(a) Insects (b) Mollusca (c) Echinoderms (d) Chordates

274) The exhibition of bioluminescence and the presence of comb plates for locomotion are found in \_\_\_\_\_.

(a) Ctenophore (b) Aschelmites (c) Cnidaria (d) Molluscs

275) Firstly three chambered ventral heart is found in \_\_\_\_\_.

(a) Amphibians (b) Pisces (c) Reptilians (d) Avians and mammalians

276) RBCs are enucleated in \_\_\_\_\_

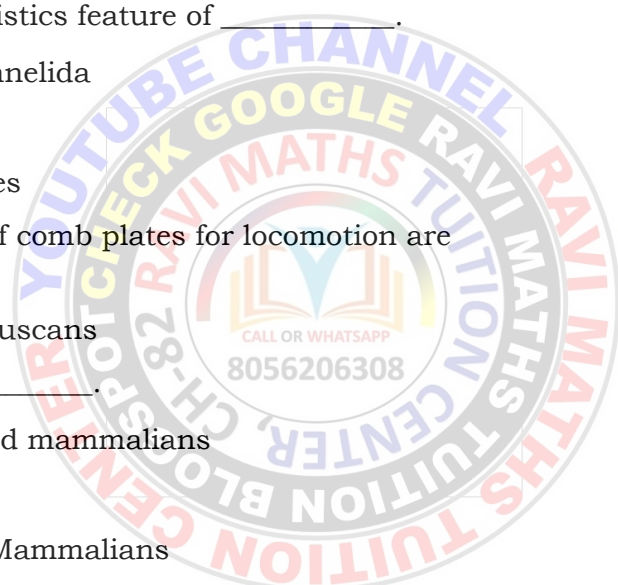
(a) Pisces (b) Amphibians and Reptilians (c) Aves and Mammalians  
(d) Mammalians except elephant and camel

277) 10 paired cranial nerves are not found in \_\_\_\_\_.

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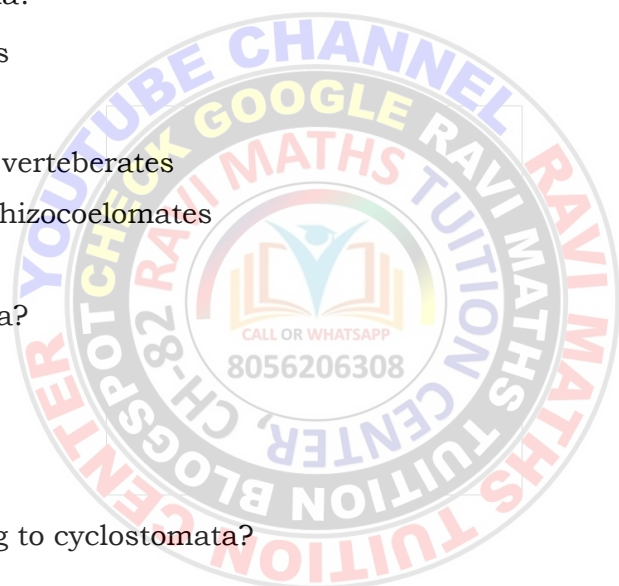
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- (a) Pisces (b) Amphibians (c) Some Reptilians (d) Avians and Mammals
- 278) Toothless reptilians belong to \_\_\_\_\_.
- (a) Turtles and Tortoise (b) Lizards and Snakes (c) Crocodiles (d) Reptilians
- 279) Which of the following characters is correct about the flightless birds?
- (a) Pneumatic bones are found (b) Crop stores food (c) Pygostyle is well developed  
(d) large sized eggs are laid by birds
- 280) Tissue grade of organization started in \_\_\_\_\_.
- (a) Eumetazoa (b) Metazoan (c) Protozoa (d) Bilateria
- 281) Which of the following animals are diploblastic?
- (a) Protozoa and Poriferians (b) Poriferians and Cnidarians  
(c) Protozoans and Helminthes (d) Helminthes and Annelidians
- 282) Which of the following animals show protogyny?
- (a) Poriferans (b) Cnidarians (c) Helminthes (d) Annelids
- 283) Scleroblasts and mantle secrete respectively \_\_\_\_\_.
- (a) Spongin and Shell (b) Shell and Sponging (c) Ectoderm and Mesoderm  
(d) Mesoderm and Ectoderm
- 284) Which of the above characteristics is/ are not related to Poriferans.
- (i) Water canal system  
(ii) Presence of paragastric cavity  
(iii) Gastrovascular cavity  
(iv) Presence of true coelom.
- (a) iii & iv (b) iii only (c) i & ii (d) iv only
- 285) Which of the following is Pseudocoelomic?
- (a) Ascaris (b) Taenia (c) Planaria (d) Hydra
- 286) Which of the following is acoelomate?
- (a) Ascaris (b) Anclystome (c) Enterobins (d) Taenia
- 287) Which of the following is schizocoelomate or protostomia?
- (a) Earthworm (b) Starfish (c) Hag fish (d) Amphioxus
- 288) Which of the following statements is correct?
- (a) All vertebrates are chordates but all chordates are not vertebrates  
(b) All chordates are vertebrates (c) All chordates are schizocoelomates  
(d) All chordates are poikilothermic
- 289) Which of following animal/s belongs to cephalochordata?
- (a) Ascidia (b) Salpa (c) Doliolum (d) All the above
- 290) Which animal is commonly called as hag fish?
- (a) Myxine (b) Pteromyzan (c) Amphioxas (d) Ascidia
- 291) Which of the following animal/s does not/ donot belong to cyclostomata?
- (a) Pteromyzon (b) myxine (c) lamprey (d) Branchiostoma
- 292) Where do you find retrogressive metamorphosis?

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(a) Urochordates (b) Cephalochordates (c) Cyclostomates (d) Chondrichthyes

293) Which of the following animals is called as Indian Flemichordate?

(a) Balanoglossus (b) Ptychorda flava (c) Saccoglossus (d) Amphioxus

294) Match the following columns and select the correct option

Column I	Column II
(p) Sea urchin	(i) Antedon
(q) Brittle star	(ii) Asterias
(r) Sea star	(iii) Echinus
(s) Sea lily	(iv) Ophiura

(a) p-i, q-iii, r-ii, s-iv (b) p-iii, q-iv, r-ii, s-i (c) p-iii, q-iv, r-i, s-ii (d) p-iii, q-i, r-ii, s-iv

295) Which of the following animals are mostly ciliary feeders?

(a) Hemichordates (b) Vertebrates (c) Fishes (d) Frogs

296) Which is the Larva of hemichordates?

(a) Ammocoetus (b) Toronaria (c) Auricularia (d) Glochidium

297) Which of the following animals exhibit autotomy?

(a) Molluscs (b) Echinoderms (c) Reptilians (d) Annelidians

298) Which of the following animals are primitive tetrapods?

(a) Fishes (b) Amphibians (c) Reptilians (d) Avians

299) Which are the primitive homeotherms or endotherms?

(a) Crawlers or Reptilians (b) Spinny skinned animals (c) Feathered vertebrates  
(d) Amphibians

300) Which of the following animals show only bilateral symmetry throughout their life span?

(a) Molluscs (b) Echinoderms (c) Arthropodians (d) Annelidians and Poriferians

301) Which of the following animals show symmetry?

(a) Sponges (b) a&b (c) Adult molluscs (d) Young echinoderms

302) Which of the following animals do not exhibit sexual dimorphism?

(a) Roundworms (b) Frogs (c) Cockroaches (d) Earthworms

303) In which of the following animals fertilization is not external?

(a) Echinoderms (b) Annelidians and Amphibians  
(c) Hemichordates and Cephalochordates (d) Flatworms

304) In which of the following animals the respiratory pigments absent?

(a) Cockroaches (b) Earthworms (c) Molluscs (d) Piscians

305) Which of the following help in the copulation of chondrichthyes?

(a) Modified pelvic fins as claspers (b) Modified caudal fins as claspers  
(c) Modified median fins as claspers (d) Modified ventral fins as claspers

306) What are called as predaceous animals?

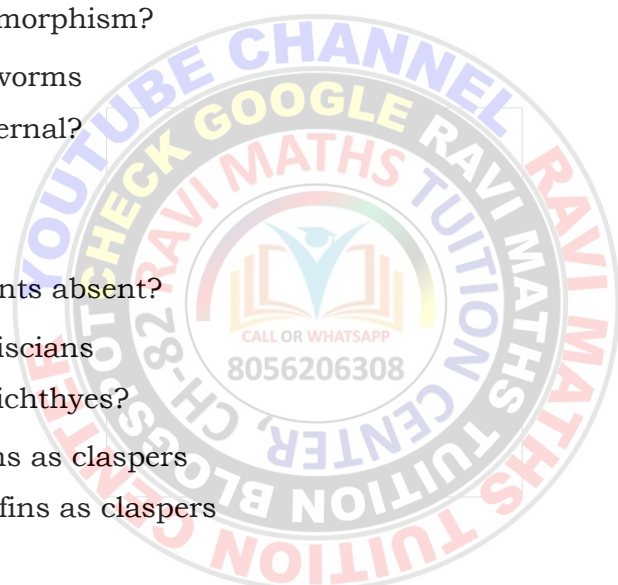
(a) Cephalochordates (b) Cyclostomates (c) Cartilaginous fishes (d) Urochordates

307) Which of the following group of animals show the similar features of echinoderms?

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(a) Hemichordates (b) Platyhelminthes (c) Cephalochordates (d) Cyclostomes

308) which of the following functions is carried by ctenidia?

(a) Digestion (b) Respiration (c) Reproduction (d) Excretion

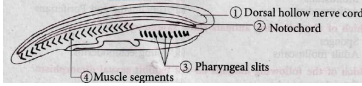
309) Which is commonly called as sand worm?

(a) Nereis (b) Leech (c) Lampito (d) Phretima

310) Find out the wrong pair from the following:

(a) Flame cells - Earthworms (b) Green glands - Prawns (c) Solenocytes - Amphioxus  
(d) Malpighian tubules - Insects

311) Which of the following structure leads to the formation of vertebral column of adult vertebrates?



(a) 2 (b) 4 (c) 3 (d) 1

312) Canal system is seen in

(a) porifera (b) sponges (c) earthworm (d) sea anemone

313) \_\_\_\_\_ is called as Portuguese man-of-war.

(a) Adamsia (b) Gorgonia (c) Pennatula (d) Physalia

314) Corals have a skeleton composed of

(a) Calcium carbonate (b) Calcium oxalate (c) Calcium chloride (d) Calcium

315) Round worms are

(a) monoecious (b) dioecious (c) polygamous (d) bisexual

316) Balanoglossus and saccoglossus belong to the phylum

(a) Echinodermata (b) Hemichordata (c) Cephalochordata (d) Urochordata

317) The notochord is present only in the larval tail of

(a) tunicates (b) cephalochordates (c) vertebrates (d) hemichordates

318) Digestion in hydra is

(a) Extracellular (b) Intracellular (c) Extracellular and intracellular (d) Holozoic

319) Radula of molluscs is a part of \_\_\_\_\_ system.

(a) Circulatory (b) Nervous (c) Digestive (d) Respiratory

320) Heart in amphibian is

(a) two chambered (b) three chambered (c) four chambered (d) Absent

321) Blue whale is

(a) Balaenoptera (b) Delphntnus (c) Equus (d) Felis

322) Which of the following is an advanced larva of invertebrates?

(a) Veliger (b) Glochidium (c) Auricularia (d) Parenchymula

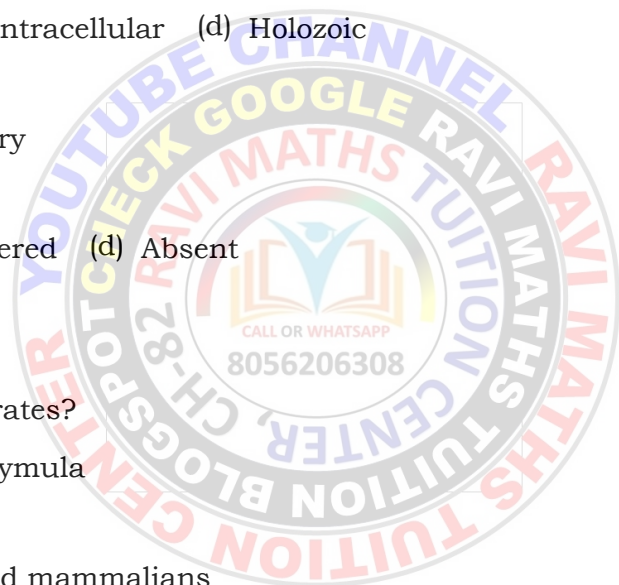
323) Firstly two chambered ventral heart is found in

(a) Amphibians (b) Pisces (c) Reptilians (d) Avians and mammalians

324) Which of the following pairs is matched

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	Column - I		Column - II
p)	Sea horse	i)	Echeneis
q)	Sucker fish	ii)	Pterophyllum
r)	Angel fish	iii)	Exocoetus
s)	Flying fish	iv)	Hippocampus

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- (a) p - ii, q - iv, r - i, s - iii (b) p - i, q - iv, r - iii, s - ii (c) p - iv, q - ii, r - iii, s - i  
 (d) p - iv, q - i, r - ii, s - iii

325) Match the following columns and select the correct option

Column I	Column II
(p) Honey bee	(i) Eupagarus
(q) Scorpion	(ii) Gregarious pest
(r) King crab	(iii) Bombyx
(s) Locusta	(iv) Abix
(t) Silk worm	(v) Palamnaeus
(u) Hermit crab	(vi) Limulus

- (a) p - iv q - v r - vi s - ii t - iii u - i (b) p - iv q - iii r - ii s - i t - iv u - v  
 (c) p - iv q - iii r - i s - ii t - vi u - v (d) p - iv q - iii r - i s - ii t - iv u - v

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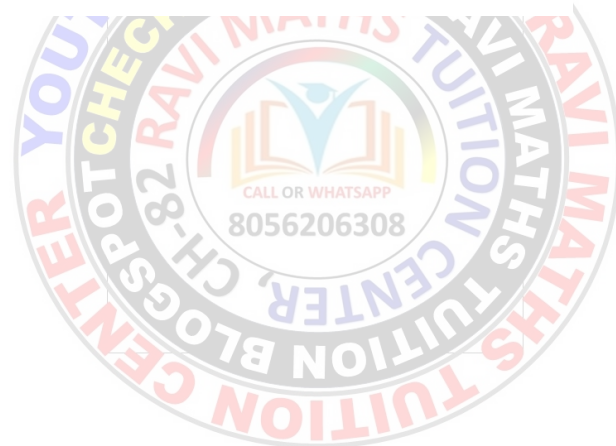
325 × 1 = 325

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