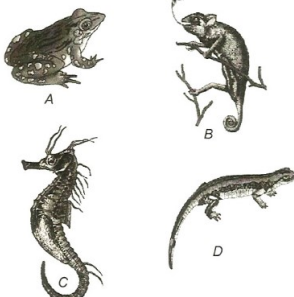




701. Which of the following animals shows discontinuous distribution?  
a) Green muscle      b) Bats      c) Lung fish      d) Pacific salmon
702. Excretion in phylum-Porifera is  
a) Ureotelic      b) Uricotelic      c) Ammoniotelic      d) Aminotelic
703. Body of earthworm is divided into how many similar segments, which are called metameres or somites?  
a) 60 to 120      b) 100 to 120      c) 80 to 120      d) 120 or more
704. Arthropods are characterized by  
a) Jointed appendages      b) Open blood vascular system  
c) Triploblastic      d) All of the above
705. Which of the following respire through gills?  
a) Whale      b) Turtle      c) Frog      d) Prawn
706. Annelids have a central nerve cord that is  
a) Impermeable to  $K^+$       b) Hollow      c) Dorsal      d) Ventral
707. Animals that do not belong to class-Crustacea include  
a) Lobster and daphnia      b) Millipede and Centipede  
c) Crab and shrimp      d) None of the above
708. Urochordate animals have  
a) Notochord that extends from head to tail region      b) Notochord is present throughout larval stages and adult life  
c) Notochord present only in adult stages      d) Notochord present only in larval stage
709. Thigmotaxis is not shown by  
a) *Paramecium*      b) *Amoeba*      c) *Ascaris*      d) *Hydra*
710. In a copulating pair of earthworm, which two processes take place?  
a) External fertilization and cross fertilization      b) Cross fertilization and reciprocal fertilization  
c) Internal fertilization and cross fertilization      d) Reciprocal fertilization and internal fertilization
711. The second largest number of species containing phylum in the animal kingdom is  
a) Annelida      b) Arthropoda      c) Mollusca      d) Chordata
712. Which of the following statements is false?  
a) Male round worm is smaller than female  
b) Earthworms are hermaphrodites  
c) Echinoderms are protostomous coelomates  
d) Human teeth are anatomically comparable to scales of shark
713. Limbless amphibians are called  
a) Paddle worms      b) Glow worms      c) Caecilian worms      d) Pin worms
714. Salient feature of Arthropoda is

- a) Aquatic and free living  
 b) Chitinous exoskeleton and jointed appendages  
 c) Both (a) and (b)  
 d) None of the above
715. Which of the following are absent in snakes?  
 a) Pectoral girdle      b) Urinary bladder      c) Sternum      d) All of these
716. Which of the following is not a Porifera  
 a) *Sycon*      b) *Spirulina*      c) *Euspongia*      d) *Spongilla*
717. Tube-feet are the locomotory organs of  
 a) Platyhelminthes      b) Echinodermata      c) Mollusca      d) Arthropoda
718. Which one of the following characters is not typical of the class-Mammalia?  
 a) Seven cervical vertebrae      b) Thecodont dentition  
 c) Ten pairs of cranial nerves      d) Alveolar lungs
719. In cockroach, which of the following is the principal motor centre?  
 a) Supraoesophageal ganglia      b) Suboesophageal ganglia  
 c) Metathoracic ganglia      d) Abdominal ganglia
720. Excretory organs in *Taenia* are  
 a) Flame cells      b) Nephridia      c) Nephrons      d) Kidneys
721. How many eggs are found in egg chamber of female cockroach?  
 a) 2      b) 4      c) 8      d) 16
722. A dorsal horn is present on the..... of mulberry silk worm (caterpillar).  
 a) 8<sup>th</sup> abdominal segment      b) 6<sup>th</sup> abdominal segment  
 c) 5<sup>th</sup> abdominal segment      d) 2<sup>nd</sup> thoracic segment
723. In *Hydra*, reproduction occurs in favourable conditions by  
 a) Budding      b) Gametes      c) Gemmules      d) Binary fission
724. Which of the following are amphibians?  

- a) A and C      b) B and D      c) C and D      d) A and D
725. Which of the following is an exclusive character of class-Mammalia?  
 a) Homoiothermy      b) Internal fertilization  
 c) Presence of a 4-chambered heart      d) Presence of a muscular diaphragm
726. Skeletal system in echinoderms is  
 a) Formed by the distension of the water vascular system  
 b) Calcareous exoskeleton  
 c) Siliceous endoskeleton  
 d) None of the above
727. Which one of the following animals possesses high regeneration capacity?  
 a) *Planaria*      b) *Taenia*      c) *Salpa*      d) *Periplaneta*
728. Veliger larva occurs in phylum

- a) Mollusca                      b) Echinodermata                      c) Arthropoda                      d) Cnidaria
729. Tadpole's tail is a/an  
 a) Excretory organ                      b) Attachment organ                      c) Respiratory organ                      d) Locomotory organ
730. The largest phylum in respect of number of species is  
 a) Coelenterata                      b) Arthropoda                      c) Protozoa                      d) Porifera
731. Read the following paragraph.  
 An insect whose mouthparts are biting and chewing type in the larval condition, while they are siphoning type in the adult and this insect gives an economically important substance during yet another stage of its development.  
 The insect is  
 a) *Anopheles*                      b) *Laccifer*                      c) *Bombyx*                      d) *Apis*
732. Which of the following statements are true/false?  
 I. Mollusca possess cellular level of organisation  
 II. Arthropoda are true coelomates  
 III. Platyhelminths are pseudocoelomates  
 IV. Ctenophora have bilateral symmetry  
 Choose the correct option  
 a) I and II are True                      b) Only II are True                      c) I and IV are True                      d) II, III and IV are True
733. Which of the following is not a defence evolved by a prey to avoid predators?  
 a) Ejection of noxious chemicals                      b) Possession of toxic hairs  
 c) Mimicry of inedible objects                      d) Secretion of pheromones
734. The correct sequence of arrangements of segments in the leg of cockroach is  
 a) Tibia, trochanter, femur, tarsus and coxa                      b) Trochanter, coxa, tibia, femur and tarsus  
 c) Coxa, femur, trochanter, tibia and tarsus                      d) Coxa, trochanter, femur, tibia and tarsus
735. The function of iris in the eyes of frog is to  
 a) Alter the size of pupil                      b) Move nictitating membrane  
 c) Refract light rays                      d) Move the lens forward and backward
736. Which of the following pairs is correct?  
 a) Annelida – Polychaeta – leech                      b) Arthropoda – Crustacea – cockroach  
 c) Mollusca – Cephalopoda – *Octopus*                      d) Protozoa – *Hydra*
737. Which one of the following groups of animals is correctly matched with its one characteristic feature without even a single exception?  
 a) Chordata – possess a mouth provided with an upper and a lower jaw  
 b) Chondrichthyes – possess cartilaginous endoskeleton  
 c) Mammalia – give birth to young ones  
 d) Reptilia – possess 3-chambered heart with one incompletely divided ventricle
738. Chitin as exoskeleton is found in  
 a) *Periplaneta*                      b) *Ascaris*                      c) *Pheretima*                      d) *Hydra*
739. In *Pheretima*, the glands that help in binding the worms during copulation are  
 a) Prostate glands                      b) Albumin glands                      c) Accessory glands                      d) Mucous glands
740. Which one of the following animals lay eggs yet the female secretes milk?  
 a) Bat                      b) Kangaroo                      c) *Platypus*                      d) Ostrich
741. *Taenia solium* derives its energy from the breakdown of  
 a) Nucleic acids                      b) Amino acids                      c) Glycogen                      d) Glycerol



- a) *Hydra*                      b) *Schistosoma*                      c) *Taenia*                      d) *Fasciola*
756. Which of the following phylum or class exhibit the presence of a notochord?  
a) Arthropods                      b) Echinodermata  
c) Chondrichthyes                      d) Porifera
757. Which of the following is correctly matched?  
a) *Wallago attu* – Cat fish                      b) *Tengra* – Carp  
c) *Catla catla* – Cat fish                      d) Payas – Carp
758. In contrast to annelids, the Platyhelminthes show  
a) Radial symmetry                      b) Presence of pseudocoel  
c) Bilateral symmetry                      d) Absence of body cavity
759. In *Pheretima*, the anterior loops carry blood from  
a) Commissural blood vessels                      b) Ventral blood vessels  
c) Supraoesophageal                      d) Lateral oesophageal
760. The enteronephric nephridia in *Pheretima* consists which of the following parts given below?  
I. A nephrostome  
II. Terminal nephridial duct  
III. Septal excretory canal  
IV. Supra intestinal excretory canal  
V. Long thick walled excretory canal  
a) II, V                      b) I, III, IV, V                      c) III, IV, V                      d) I, III, IV
761. Blastula of frog has  
a) Blastopore                      b) Blastocoel                      c) Archenteron                      d) Gastropore
762. Which of the following is not found in *Hydra*?  
a) Epithelio-muscular cells                      b) Cnidocyte  
c) Choanocyte                      d) Nerve cells
763. An egg laying mammal is  
a) *Delphinus*                      b) *Macaca*                      c) *Ornithorhynchus*                      d) *Macropus*
764. Which of the following have the highest number of species in nature?  
a) Insects                      b) Birds                      c) Angiosperms                      d) Fungi
765. Which of the following is correct for the circulatory system of cockroach?  
a) It is present on the dorsal side and it has thirteen units of heart in abdominal region  
b) It is present on the ventral side and it has ten abdominal and three thoracic units of heart  
c) It is present on the ventral side and it has thirteen units of heart in abdominal region  
d) It is present on the dorsal side and it has ten abdominal and three thoracic units of heart
766. Which one is absent in frog?  
a) Phrenic nerve                      b) Renal portal vein                      c) Both (a) and (b)                      d) None of these
767. 'Portuguese man of war' is  
a) *Obelia*                      b) *Physalia*                      c) *Aurelia*                      d) *Branchiostoma*