AIPMT

1. Solenocytes occur in : **[AIPMT 1998]**
(1) Platyhelminthes (2) Arhropoda
(3) Annelida (4) Aschelmithes

2. Which characteristic is true for ***Obelia :-*** **[AIPMT 199]**
(1) Metagenesis (2) Morphogenesis
(3) Apolysis (4) Pedogeny

3. Parctical purpose of taxonomy or classification : **[AIPMT 1999]**
(1) Facilitate the identification of unkown species
(2) Explain the origin of organisms
(3) To know the evolutionary history
(4) Identification of medicinal plants

4. Which arragnement is in correct ascending order **[AIPMT 1999]**
(1) Species < genus < order < family
(2) Genus < species < family < order
(3) Order < family < Genus < species
(4) Species < genus < family < order

5. Similarity in ***Ascaris lumbricoides*** and ***Anopheles stephensi :*** **[AIPMT 200]**
(1) Sexual dimorphism (2) Metamerism
(3) Anaerobi respiration (4) Endoparasitism

6. Which of the following animals have scattered cells with cell - tissue grade organisation : **[AIPMT 2000]**
(1) Sponge (2) ***Hydra***
(3) Liver fluke (4) ***Ascaris***

7. In ***Hydra,*** waste material of food digestion and nitrogenuous waste material removed from : **[AIPMT 2001]**
(1) Mounth and mouth
(2) Body wall and body wall
(3) Mouth and bodywall
(4) Mouth and tentacles

8. In Protozoa like ***Amoeba*** and ***Paramecium,*** a organ in found for osmoregulation whch is : **[AIPMT 2002]**
(1) Contractile vacuole (2) Mitochondria
(3) Nucleus (4) Food vacuole

9. In which fo the anila dimorphic nucleus is found :L **[AIPMT 2002]**
(1) ***Amoeba proteus***
(2) ***Trapanosoma gambiens***
(3) ***Plasmodium vivax***
(4) ***Paramoecium caudatum***

10. Given below are four matching of an animal and its kind of respiratory organ : **[AIPMT 2003]**
A. Silver fish - trachea
B. Scorpion - book lung
C. Sea squirt - pharyngeal gills
D. Dolphin - skin
The correct matching are :
(1) A and D
(2) A, B and C
(3) B and D
(4) C and D

11. Which one of the following is a matching pair of an animal and a certain phenomenon it exhibits: **[AIPMT 200]**
(1) ***Pheretima -*** Sexual dimorphism
(2) ***Musca -*** Complete metamorphosis
(3) ***Chameleon -*** Mimicry
(4) ***Taenia -*** Polymorphism

12. During its life - cycle, ***Fasciola hepatica*** (liver fluke) infects its intermediate host and primary host at the following larval stage respectively : **[AIPMT 2003]**
(1) Redia and miracidium
(2)Cercaria and redia
(3) Metacercaria and cercaria
(4) Miracidium and metacercaria

13. Sycon belongs to a group of animals, which are best described as : **[AIPMT 2003]**
(1) Unicelluar or acellular
(2) Multicellular without any tissue organization
(3) Multicellular with a gastrovascular system
(4) Multicellular having tissue organiation, but no body cacity

14. Teh animals with bilateral symemtry in young stage and radial pentamerous symmetry in the adult atage, belong to the phylum – **[AIPMT 2004]**
(1) Mollusca (2) Cridaria
(3) Echinodermata (4) Annelida

15. In Arthropoda, head and thorax are often used to form cephalothorax, but in which one of the following classes, is the body divided into head, thorax and abdomen ? **[AIPMT 2004]**
(1) Myriapoda
(2) Crustcea
(3) Arachnida and Crustacea
(4) Insecta

16. Which one of the following is nto correctly metched **[AIPMT 2004]**
(1) ***Culex pipiens -*** Filariasis
(2) ***Aedes aegypti -*** Yellow fever
(3) ***Anopheles culifacies -*** Leishmaniasis
(4) ***Glassina palpalis -*** Sleeping sickness

17. In contrast to Annelids the Platyhelminths show **[AIPMT 2005]**
(1) Absence of body cavity
(2) Presence of pseudocoel
(3) Radial symmetry
(4) Bilateral symemtry

18. Which of the following unicellular organism has a macronucleus for trophic function and one or more micronuclei for reproduction - **[AIPMT 2005]**
(1) ***Trayanosoma*** (2) ***Paramoecium***
(3) ***Euglena*** (4) ***Amoeba***

19. Evolutionary history of an organism is known as **[AIPMT 2006]**
(1) Ontogeny (2) Phylogeny
(3) Ancestry (4) Paleontology

20. What is common about *Trypanosoma, Noctiluca, Monocystis* and *Giardia ?* **[AIPMT 2006]**
(1) These are all parasites
(2) Tehse are all unicellular proptists
(3) They have flagella
(4) They produce spores

21. Which one of the following is a matching set of a phylum n its three exampes ? **[AIPMT 2006]**
(1) Porifera : ***Spongilla, Euplectella, Pennatula***
(2) Cnidaria : ***Bonellia, Physalia, Aurelia***
(3) Platyhelmithes : ***Planaria, Schistosoma, Enterobius***
(4) Mollusca : ***Loligo, Teredo, Octopus***

22. Metameric segmentation is the charcteristis of **[AIPMT 2006]**
(1) Mollusca and Chrodata
(2) Platyhelminthes and Arhtropoda
(3) Enchinodermata and Annelida
(4) Annelida and Arthropoda

23. Two common characters found in Centipede, Cockroach and Carb are **[AIPMT 2006]**
(1) Book lungs and antennae
(2) Compound eyes and anal cerci
(3) Jointed legs and chtinous exoskeleton
(4) Green gland and Tracheae

24. Biradial symemtry and alck of cnidoblasts are the characteristic of **[AIPMT 2006]**
(1) ***Hydra*** and ***Starfish***
(2) *Starfish* nd Sea Anemone
(3) ***Ctenoplana*** and ***Beroe***
(4) ***Aurelia*** and ***Paramoecium***

25. Which one of the following has an open circulatory system ? **[AIPMT 2006]**
(1) ***Octopus***
(2) ***Pheretima***
(3) ***Periplaneta***
(4) ***Hirudinaria***

26. Biological organisatio starts with : **[AIPMT 2007]**
(1) Atomic level
(2) Submicroscopic molecular level
(3) Cellular level
(4) Organismic level

27. Which one of the following is a matching pair of a body feature and the animal possesing it ? **[AIPMT 2007]**
(1) Ventral heart - Scorpion
(2) Post - anal tail - Octopus
(3) Ventral central nervous sy system - Leech
(4) Pharyngeal gill lits absent in embyo – Chamaeleon

28. What is true about Nereis, Scoprion, Cockroach and silver fish ? **[AIPMT 2007]**
(1) They all belong to the same phylum
(2) They all have jointed paired appendages
(3) They are posses dorsal heart
(4) None of them is aquatic

29. Which one of the following pairs is *mismatched* **[AIPMT 2007]**
(1) *Bombyxmori* - Silk
(2) *Pila globosa* - Pearl
(3) *Apis indica* - Honey
(4) *Kenia lacca* – Lac

30. Which one of the following is NOT a characteristic of phylum Annelida ? **[AIPMT 2008]**

(1) Closed circulatory system
(2) Segmentation
(3) Pseudocoelom
(4) Ventral nerve cord

31. Which one of the folloiwng phyla is corectly meteched with its two general characteristics ? **[AIPMT 2008]**

(1) Arthropoda : Body divided into head, thorax and abdomen and respiration and respiration by tracheae
(2) Chrodata : Notochord at some stage and separate anal and urinary openings to the outside
(3) Echinodermata : Pentamerous radial symmetry and mostly internal fertilization
(4) Mollusca : Normally oviparous and development through a trochopore or veligerlarva

32. ***Ascaris*** is characterized by : **[AIPMT 2008]**

(1) absence of true colombut presence of metamerism
(2) presence of neither true coelom nor metamerism
(3) presence of true coclom but asence of metamerism
(4) presence of true coclom and metamerism (metamerisation)

33. Which one of the following groups of the three animals each is ***correctly*** matched with their one characteristic morphological feature ? **[AIPMT 2008]**

	Animals		***Morphological feature***
(1)	Liver fluke, Sea anemone Sea cucumber	-	Bilateral
(2)	Centipele, Prawn, Sea urchin	-	Joined Appendages
(3)	Scorpion, Spider, Cockroach	-	Ventral solid cenral nurvous system
(4)	Cockroach, Locust, ***Taenia***	-	Metameric segmentation

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Ans.	**1**	**1**	**1**	**4**	**1**	**2**	**3**	**1**	**4**	**2**	**2**	**4**	**2**	**3**	**4**	**3**	**1**
Que.	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
Ans.	**2**	**2**	**2**	**4**	**4**	**3**	**3**	**3**	**2**	**3**	**3**	**2**	**3**	**4**	**2**	**3**	