



## BIOLOGY

### BOOKS - TRUEMAN BIOLOGY

### ANIMAL KINGDOM - GENERAL

#### Multiple Choice Questions

1. Which was the first animal to go into space?

- A. Cat
- B. Monkey
- C. Dog

D. Ape

**Answer: C**



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2. In the course of evolution, the true coelom appeared first in

A. aschelminthes

B. annelide

C. arthropoda

D. echinodermata

**Answer: B**





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3. Anus develops first in the embryo and mouth is formed later. It is called

- A. deuterostomatic
- B. protostomatic
- C. both (1) and (2)
- D. none of these

**Answer: B**



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4. Schizocoelom is found in

A. annelids

B. arthropods

C. molluscs

D. Both 1 and 2

**Answer: D**



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**5. Metamerism is conspicuous in**

A. arthropods

B. molluscs

C. chordates

D. annelids

**Answer: D**

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6. In which phylum blood pigment is haemocyanin?

A. echinodermata

B. molluscs

C. platyhelminthes

D. aschelminthes

**Answer: B**

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7. Animals devoid of respiratory, excretory and circulatory organs are

A. Tapeworms

B. Sponges

C. Thread worms

D. Liver Fluke

**Answer: B**



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8. In which book has "binomial nomenclature" been used for the first time

A. Histoire Naturelle

B. Systema Naturae

C. Historia Naturalis

D. Historia Plantarium

**Answer: B**



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**9.** Karyotaxonomy is the modern branch of classification which is based on

A. Number of chromosomes

B. Bands found on chromosomes

C. Organic Evolution

## D. Trinomial Nomenclature

**Answer: B**

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**10.** Common feature in earthworm and cockroach is

- A. cuticle (exoskeleton)
- B. solid and ventral nerve cord
- C. nephridia
- D. malpighian tubules

**Answer: B**

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11. Which one is correctly matched ?

A. Jelly Fish and Star Fish - Radial sym-

metry

B. Hydra and Shark - Bilateral symmetry

C. Tapeworm and Octopus - Radial sym-

metry

D. Amoeba and Sea Urchin - Asymmetry

**Answer: A**



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12. Besides Annelida and Arthropoda, metamerism is found in

A. Cestoda

B. Mollusca

C. Chordata

D. Acanthocephala

**Answer: C**



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13. Metameric segmentation is the characteristic of

A. Mollusca and Chordata

B. Annelida and Arthropoda

C. Echinodermata and Annelida

D. Platyhelminthes and Arthropoda

**Answer: B**

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**14. Morphallaxis refers to**

A. Reconstruction of whole body from a body

part

B. regeneration of lost body part like limb

C. regeneration with the help of blastema

D. healing of wound

**Answer: B**

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15. Which one of the following groups of three animals each is correctly matched with their one characteristic morphological features?

- | Animals                             | Morphological feature                                |
|-------------------------------------|--|
| A. Centipede,<br>Prawn, Sea urchin  | Jointed<br>appendages                                |
| B.<br>Scorpion, Spider<br>Cockroach | morphological feature<br>jointed appendage<br>system |
| C. Cockroach<br>Locust, Taenia      | Metameric<br>segmentation                            |

Liver fluke,  
D. Sea anemone,  
Sea cucumber

Bilateral  
symmetry

**Answer: B**

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**16.** Which one of the following phyla is correctly matched with its two general characteristics

- |    |               |   |
|----|---------------|---|
| A. | Notochord     | Notochord at some stage and separate anal and urinary openings to the outside |
| B. | Echinodermata | Pentamerous radial symmetry and mostly internal fertilisation                 |
| C. | Mollusca      | Normally oviparous and development through a trochophore or veliger larva     |

Arthropoda Body divided into head,  
D. thorax and respiration  
by tracheae

**Answer: C**

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17. 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, am-  
phibians

C. Pisces, mammals, reptiles, mammals, aves

D. Amphibians, aves, pisces, mammals,

reptiles

**Answer: B**



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**18. Match list I with List II and select the correct option**

List I

List II

A Protozoa

1 Pennatula

B Aschelminthes

2 Beroe

C Poorifera

3 Monocystis

D Ctenophora

4 Wuchereria

E Cnidaria

5 Cliona

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

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

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

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

**Answer: C**

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**19.** All flatworms differ from all round worms in having

- A. triploblastic body
- B. solid mesoderm
- C. dilateral symmetry
- D. metamorphosis in the life history

**Answer: B**

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20. Egg of reptiles and birds are

A. mesolecithal

B. telolecithal

C. polylecithal

D. alecithal

**Answer: C**



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21. List of endangered species was released by :

A. IUCN

B. BBC

C. WCC

D. UN

**Answer: B**



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**22.** Pseudocoelom is a characteristic feature of

A. Annelids

B. Arthropods

C. Platyhelminthes

D. Aschelminthes

Answer: D



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23. Match column I with column II and select the correct option from the given codes.

*Column I*

*Column II*

A. Cyclostomers (i) Hemichordata

B. Aves (ii) Urochordata

C. Tunicates (iii) Agnatha

D. Balanoglossus (iv) Pisces

E. Osteichthyes (v) Tetrapod

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

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

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

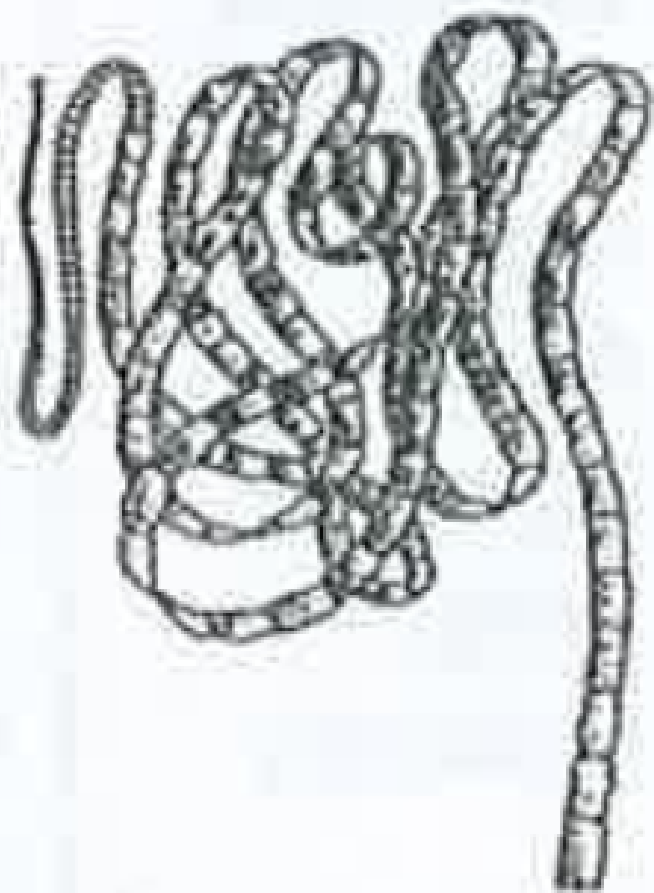
D. A-3, B-1, C-5, D-2, E-4

**Answer: C**



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**24.** The figure shows four animals (a), (b), (c) and (d). Select the correct answer with respect to a common characteristic of two of these animals.









A. (c) and (d) have a true coelom

B. (a) and (d) respire mainly through body

wall



C. (b) and (c) show radial symmetry

D. (a) and (b) have ctenophores for self-

defence

**Answer: B**

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**25.** Which one of the following pairs of animals are similar to each other pertaining to the feature stated against them

A. Pteropus and Ornithorhynchus - Viviparity

B. Garden lizard and Crocodile - Three

chambered heart

C. Ascaris and Ancylostoma - Metameric

segmentation

D. Sea horse and Flying fish - cold blood-

ed (poikilothermal)

**Answer: D**

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**26.** Which one of the following options gives the correct categorisation of animals according to the type of nitrogenous waste they give out?

A	B	C
Ammonotelic	Ureotelic	Uricotelic
A. 1) Pigeon, Humans	Aquatic Amphibia, Lizards	Cockroach, Frog

	Frog,	Aquatic	Cockroach,
B. 2)	Lizards	Amphibia,	Pigeon
		Humans	
	Aquatic	Frog,	Pigeon,
C. 3)	Amphibia	Humans	Lizards,
			Cockroach
	Aquatic	Cockroach,	Frog,
D. 4)	Amphibia	Humans	Pigeon,
			Lizards

**Answer: C**

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**27.** The hierarchical arrangement of taxonomic categories in descending order is

A. kingdom, phylum, class, order, family,  
genus, species

B. kingdom, division, phylum, order, family,

genus, species

C. kingdom, class, phylum, order, family,

genus

D. division, kingdom, class, phylum, order,

family, genus, species

**Answer: B**



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**28.** Kanha National Park is located in ..... and is famous for

.....

A. Madhya Pradesh, elephant

B. Madhya Pradesh, tiger

C. Odisha, tiger

D. Assam, elephant

**Answer: B**

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**29.** Which one of the following is not included under in situ conservation?

A. National Park

B. Wild life sanctuary

C. Zoological garden

D. Biosphere reserve

**Answer: C**



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**30.** Who is regarded as the 'Father of Taxonomy'?

- A. John Ray
- B. Carolus Linnaeus
- C. A. P. de Candolle
- D. Charles Darwin

**Answer: B**



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**31.** Animals are classified into hierarchical group, in which one of the following the largest number of species is found

A. Genus

B. Order

C. Family

D. Cohort

**Answer: D**



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**32.** A radially symmetrical free swimming bioluminescent diploblastic marine organism is

A. Sea fan

B. Sea pen

C. Sea walnut

D. Bath sponge

**Answer: C**



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**33.** Match the name of the animal (column I), with one characteristics (column II), and the phylum/ class (column



III) to which it belongs

Column I	Column II	Column III
(1) <i>Limulus</i>	body covered by chitinous exoskeleton	Pisces
(2) <i>Adamsia</i>	radially symmetrical	Porifera
(3) <i>Petromyzon</i>	ectoparasite	Cyclostomata
(4) <i>Ichthyophis</i>	terrestrial	Reptilia

- |    | Column I    | Column II                             | Column III   |
|----|-------------|---------------------------------------|--------------|
| A. | Limulus     | body covered by chitinous exoskeleton | Pisces,      |
| B. | Adamsia     | radially symmetrical                  | Porifera     |
| C. | Patromyzon  | ectoparasite                          | Cyclostomata |
| D. | Ichthyophis | terrestrial                           | Reptilia     |

**Answer: C**



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**34.** Select the Taxon mentioned that represents both marine and fresh water species

A. Cnidaria

B. Echinoderms

C. Ctenophora

D. Cephalochordata

**Answer: B**



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35. Which of the following features is not present in *Periplaneta americana*?

- A. Indeterminate and radial cleavage during embryonic development
- B. Exoskeleton composed of N-acetylglucosamine
- C. Metamerically segmented body
- D. Schizocoelom as body cavity

**Answer: B**



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36. Which of the following characteristic features always holds true for the corresponding group of animals

(1) 3 - chambered heart with one incompletely divided ventricle      Reptilia

(2) Cartilaginous endoskeleton      Chondrichthyes

(3) Viviparous      Mammalia

(4) Possess a mouth with an upper and a lower jaw      Chordata

A. Viviparous      Mammalia

Possess a mouth      Chordata

B. with an upper and a

lower jaw

3- chambered heart      Reptilia

C. with one incompletely divided ventricle

D. Cartilaginous endoskeleton      Chondrichthyes

**Answer: D**



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