

Class: IX
Subject: Biology
Topic: The Fundamentals of Life
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1 Species is

- a) Not related to evolution
- b) Specific class of evolution
- c) Specific unit of evolution
- d) Fertile unit in the evolutionary history of a race

Answer- (d) Organisms in a species can interbreed.

2 Binomial systems refers to

- a) One name
- b) One international name
- c) One generic name and one specific name
- d) None of the above

Answer- (c) The word "binomial" suggests, the name of a species is made of two parts: one indicating the genus and one indicating the species

3 Two words comprising binomial nomenclature are

- a) Family and genus
- b) Order and family
- c) Genus and species

d) Species and variety

Answer- (c) Refer to question 2.

4 Maximum diversity is seen among

a) Monera

b) Animalia

c) Plantae

d) Protista

Answer- (b) Kingdom Animalia is characterized by eukaryotic and heterotrophic organisms.

5 System of classification used by Linnaeus was

a) Natural system

b) Artificial system

c) Phylogenetic system

d) Asexual system

Answer- (b) Artificial system includes the ordering of organisms into groups on the basis of non-evolutionary features.

6 The book 'Origin of Species' was written by

a) Lamarck

b) Darwin

c) Wallace

d) Oparin

Answer- (b) "Origin of Species" is a world of scientific literature.

7 Which one of the following phyla has maximum species?

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

Answer- (c) The phylum Arthropoda is huge in terms of both numbers of species and in terms of numbers of individuals

8 The latest classification of biological kingdom has been contributed by

- a) Whittaker
- b) Darwin
- c) Haeckel
- d) Linnaeus

Answer- (a) Whittaker proposed the five kingdom system of classification.

9 Which of the following is correct order of hierarchy?

- a) Kingdom, division, phylum, genus and species
- b) Phylum, kingdom, genus and class
- c) Kingdom, genus, class, phylum and division
- d) Phylum, kingdom, genus, species and class

Answer- (a) Order of classification is Kingdom

Phylum, Class, Order, Family, Genus, Species.

10 The five kingdom classification was given by

- a) Whittaker (1969)
- b) Linnaeus (1758)
- c) Copeland (1966)
- d) Haeckel (1866)

Answer- (a) Refer to question no. 8

11 An important character of chordate is presence of

- a) Dorsal notochord
- b) Dorsal hollow nerve cord
- c) Post anal-tail
- d) All of the above

Answer- (d) fact

12 Mouth parts of cockroach are of type

- a) Biting and chewing
- b) Piercing and sucking
- c) Siphoning
- d) Sponging

Answer- (a) Mouth parts of cockroach are based upon its eating habits and therefore biting and chewing type.

13 Clitellum occurs in segment

- a) 8-10
- b) 10-12
- c) 14-15
- d) 16-18

Answer- (c) Clitellum is a thickened glandular and non-segmented section of the body wall near the head in earthworms and leeches

14 Earthworm has an unsegmented band called

- a) Clitellum
- b) Cephalothorax
- c) Thorax
- d) Metathorax

Answer- (a) Refer to question no. 13.

15 In angiosperms, megasporophyll is specialized to form

- a) Stamen
- b) Petal
- c) Carpel
- d) Sepal

Answer- (c)fact

16 Radial symmetries is best seen in

- a) Fishes
- b) Jelly fish
- c) Star fish
- d) Sponges

Answer- (c) Radial symmetry is basically the regular arrangement of body parts around a central axis.

17 Presence of chitinous exoskeleton is an identifying feature of

- a) Corals
- b) Molluscs
- c) Coelenterates
- d) Arthropods

Answer- (d) chitinous exoskeleton is made up of chitin which is a type of carbohydrate.

18 Which of the following category includes all others in the list?

- a) Arthropod
- b) Insect
- c) Invertebrate
- d) Arachnid

Answer- (c) Invertebrate is a subphylum of kingdom Animalia.

19 Which of the following is an edible 'fungi'?

- a) Mucor
- b) Pennicillium
- c) Agaricus
- d) Rhizopus

Answer- (c) Agaricus is mushroom.

20 Plants that grow in the desert are called

- a) Hydrophytes
- b) Mesophytes
- c) Xerophytes
- d) Epiphytes

Answer- (c) Hydrophytes grow in water. Mesophytes grow in moderate conditions. Epiphytes are weeds.