



PARISHRAM PUBLICATIONS
PUNE

NAME of Student : _____

Subject : Biology

Class : XI

Max. Marks :- 180

Chapter Test
1

Topic : The Living World

NEET CHAPTER TEST

Marking Scheme:

(i) Each question is allotted 4 (four) marks for each correct response.

(ii) $\frac{1}{4}$ (one fourth) marks will be deducted for indicating incorrect response of each question. No deduction from the total score will be made if no response is indicated for an item in the answer sheet.

Q.1 Which of the following taxa contains organisms that are most distantly related?

- (1) Order (2) Class
(3) Genus (4) Family

Q.2 Which of the following properties or processes do we associate with living things?

- (1) energy processing
(2) responding to the environment
(3) growth and reproduction
(4) all of the above

Q.3 Which of the following sequences represents the hierarchy of biological organization from the least to the most complex level?

- (1) organelle, tissue, biosphere, ecosystem, population, organism.
(2) cell, community, population, organ system, molecule, organelle.
(3) organism, community, biosphere, molecule, tissue, organ.
(4) molecule, cell, organ system, population, ecosystem, biosphere.

Q.4 A localized group of organisms that belong to the same species is called a –

- (1) biosystem. (2) community
(3) population (4) family

Q.5 Which branch of biology is concerned with the naming and classifying of organisms?

- (1) informatics (2) schematic biology
(3) taxonomy (4) genomics

Q.6 Species that are in the same _____ are more closely related than species that are only in the same _____.

- (1) phylum; class (2) family; order
(3) class; order (4) family; genus

Q.7 Two species that belong to the same genus must also belong to the same

- (1) kingdom (2) phylum

(3) class (4) all of the above

Q.8 Which of these is reflective of the hierarchical organization of life from most to least inclusive?

- (1) kingdom, order, family, phylum, class, genus, species
(2) phylum, class, order, kingdom, family, genus, species
(3) kingdom, phylum, class, order, family, genus, species
(4) genus, species, kingdom, phylum, class, order, family

Q.9 What was the species concept most used by Linnaeus?

- (1) biological (2) morphological
(3) ecological (4) phylogenetic

Q.10 The various taxonomic levels (viz, genera, classes, etc.) of the hierarchical classification system differ from each other on the basis of –

- (1) how widely the organisms assigned to each are distributed through out the environment.
(2) the body sizes of the organisms assigned to each.
(3) their inclusiveness.
(4) the relative genome sizes of the organisms assigned to each.

Q.11 The common housefly belongs to all of the following taxa. Assuming you had access to textbooks or other scientific literature, knowing which of the following should provide you with the most specific information about the common housefly?

- (1) order Diptera (2) family Muscidae
(3) genus *Musca* (4) class Insecta

Q.12 Generally, within a lineage, the largest number of shared derived characters should be found among two organisms that are members of the same

- (1) kingdom (2) class
(3) domain (4) family

Q.13 Which 'suffixes' used for units of classification in plants indicates a taxonomic category of 'family'.

- (1) – Ales (2) – Onae
(3) – Aceae (4) – Ae

Q.14 ICBN is

- (1) International Code of Biological Naming
(2) International Code of Botanical Nomenclature
(3) International Class of Biological Nomenclature
(4) International Classification of Biological Nomenclature.

Q.15 Match Column-I with Column-II and select the correct option from the codes given below.

Column-I **Column-II**

- A. Botanical garden (i) Preserved plant specimens
B. Zoological park (ii) Preserved plant & animal specimens
C. Museum (iii) Living plants
D. Herbarium (iv) Living wild animals

- (1) A-(i), B-(ii), C-(iii), D-(iv)
(2) A-(iii), B-(iv), C-(ii), D-(i)
(3) A-(iii), B-(iv), C-(i), D-(ii)
(4) A-(i), B-(ii), C-(iv), D-(iii)

Q.16 The term 'systematics' refers to:

- (1) Identification and classification of plants and animals
(2) Nomenclature and identification of plants and animals
(3) Study of Diversity of kinds of organisms and their relationship
(4) Study of Different kinds of organisms and their classification

Q.17 Two organisms are present in the same class but not in the same family. They may belong to same

- (1) genus (2) species
(3) variety (4) order

Q.18 The taxonomic category below the level of family, is

- (1) class (2) species
(3) phylum (4) genus

Q.19 As we go from species to kingdom in a taxonomic hierarchy, the number of common characteristics

- (1) Will decrease (2) Will increase
(3) Remain same (4) May increase or decrease

Q.20 Genus represents

- (1) An individual plant or animal
(2) A collection of plants or animals
(3) Group of closely related species of plants or animals
(4) None of these

Q.21 Which of the following statements regarding the universal rules of biological nomenclature is incorrect?

- (1) Biological names are either derived from Latin language or are latinised.
(2) The first word in a biological name represents the genus while the second component denotes the species.
(3) Both the words in a biological name, when handwritten, are separately underlined, or printed in italics to indicate their Latin origin.
(4) The specific epithet starts with a capital letter while the generic epithet starts with a small letter. It can be illustrated with the example of mangifera Indica.

Q.22 Which of the following taxonomic categories includes all the others?

- (1) Family (2) Order
(3) Genus (4) Species

Q.23 The taxonomic unit 'Phylum' in the classification of animals is equivalent to which hierarchial level in classification of plants

- (1) Class (2) Order
(3) Division (4) Family

Q.24 Select the correct option for biological names.

- (1) They are binomial. (2) They are descriptive.
(3) They are universal (4) All of these

Q.25 Botanical gardens and zoological parks have

- (1) Collection of endemic living species only
(2) Collection of exotic living species only
(3) Collection of endemic and exotic living species
(4) Collection of only local plants and animals

Q.26 Which taxonomic aid contain information an any one taxon–

- (1) Taxonomic key (2) Herbarium
(3) Monograph (4) All of these

Q.27 Which one of the following books was contributed by Linnaeus?

- (1) *Systema Naturae* (2) *Historia Plantarum*
(3) *Historia Naturalis* (4) All of these

Q.28 Taxonomic key is one of the taxonomic tools in the identification and classification of plants and animals. It is used in the preparation of

- (1) Monographs (2) Flora
(3) Both 1 & 2 (4) None of these

Q.29 In a taxonomic hierarchy, genus is interpolated between

- (1) kingdom and class (2) phylum and order
(3) order and species (4) family and species.

Q.30 Choose the correct matching –

- (1) Botanical garden : Kew (England)
(2) Indian Botanical Garden : Howrah (India)
(3) National Botanical Research Institute : Lucknow (India)
(4) All of these

Q.31 All living organisms are linked to one another because –

- (1) They have common genetic material of the same type
(2) They share common genetic material but to varying degrees
(3) All have common cellular organization
(4) All of above

Q.32 _____ is a taxonomic aid which contains the actual account of habitat and distribution of plants of a given area and also provides the index to the plant species found in a particular area.

- (1) Flora (2) Key
(3) Monograph (4) Manual

Q.33 Basic unit or smallest taxon of classification is

- (1) species (2) kingdom
(3) family (4) variety

Q.34 Which one is correctly written scientific name?
(1) *Panthera Tigris* (2) *Mangifera indica*
(3) *Pucnthera Leo* (4) *Columba LIVEA*

Q.35 In *Solanum tuberosum*; first and second word stand for, respectively
(1) genus, generic name
(2) specific epithet species
(3) specific name and generic name
(4) generic name and specific name

Q.36 Choose the correct statement for Wheat
(i) Biological Name : *Triticum Aestivum*
(ii) Genus : *Triticum*
(iii) Family : Poaceae
(iv) Order : Poales
(v) Class : Dicotyledonae
(1) i, ii, iii, iv (2) ii, iii, iv
(3) i, ii, iii, iv, v (4) i, iii, v

Q.37 Match the following columns.

Column I

- A. Planaria
- B. Fungi
- C. Yeast
- D. Hydra
- E. Amoeba

Column II

- 1. Binary fission
- 2. Asexual spores
- 3. Budding
- 4. True regeneration
- 5. Fragmentation

Codes

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

Q.38 In *Mangifera indica*, the word *Mangifera* is a
(1) genus (2) species
(3) variety (4) order

Q.39 According to binomial nomenclature, scientific name of an organism consists of
(1) generic name (2) specific epithet
(3) Both (1) and (2) (4) None of these

Q.40 Which one is species?
(1) *Cannis* (2) *Pisum*
(3) *Leo* (4) *Carnivora*

Q.41 Choose the correct statement related to taxonomical aid
(1) Flora contains the actual account of habitat and distribution of plants of a given area.
(2) Manuals are useful in providing information for identification of names of species found in an area.
(3) Keys are generally analytical in nature.
(4) All of these

Q.42 Who proposed binomial system of nomenclature?
(1) Candolle (2) Linnaeus
(3) Bentham (4) Hutchinson

Q.43 The genus *Felis* includes
(1) tiger (2) fish
(3) cat (4) frog

Q.44 A taxon is a
(1) group of related species
(2) group of related families
(3) type of living organism
(4) taxonomic group of any ranking

Q.45 Choose the correct statement for *Homo sapiens*.
(1) Family : Hominidae
(2) Order : Primata
(3) Class : Mammalia
(4) All of these