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NEET THE LIVING WORLD — PYQS

Max. Marks: 108 **Questions:** 27

Section A (MCQ) — 27 questions

Q.1 Which one of the following statements is not true about the universal rules of binomial nomenclature? [NEET (UG) 2026]

(1) The first word in the biological name represents the specific epithet, while the second component denotes the genus

(2) The specific epithet in the biological name starts with a small letter

(3) Both the words in a biological name, when handwritten, are separately underlined or printed in italics

(4) Biological names are generally in Latin

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Q.2 Genus represents _____. [RE-NEET (UG) 2026]

(1) a group of closely related families

(2) an individual plant or animal

(3) a population of plants and animals

(4) a group of closely related species

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Q.3 Arrange the following taxonomic categories in ascending order.

A. Genus B. Class

C. Order D. Phylum

E. Family F. Kingdom

G. Species

[RE-NEET (UG) 2026]

(1) (F), (C), (B), (G), (D), (E), (A)

(2) (G), (A), (E), (C), (B), (D), (F)

(3) (A), (C), (D), (G), (F), (B), (E)

(4) (G), (C), (D), (B), (E), (A), (F)

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Q.4 Match **List-I** with **List-II**. [RE-NEET (UG) 2026]

List-I		List-II	
A.	Family	I.	Sapindales
B.	Genus	II.	Dicotyledonae
C.	Class	III.	Anacardiaceae
D.	Phylum	IV.	Angiospermae
E.	Order	V.	*Mangifera*

(1) A-III, B-V, C-II, D-IV, E-I

(2) A-I, B-V, C-II, D-IV, E-III

(3) A-II, B-I, C-III, D-IV, E-V

(4) A-II, B-III, C-V, D-I, E-IV

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Q.5 In the taxonomic categories which hierarchical arrangement in descending order is correct in case of animals? [NEET (UG) 2022]

(1) Kingdom, Phylum, Class, Order, Family, Genus, Species

(2) Kingdom, Class, Phylum, Family, Order, Genus, Species

(3) Kingdom, Order, Class, Phylum, Family, Genus, Species

(4) Kingdom, Order, Phylum, Class, Family, Genus, Species

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Q.6 Which of the following are true about the taxonomical aid 'key'?

A. Keys are based on the similarities and dissimilarities.

B. Key is analytical in nature.

C. Keys are based on the contrasting characters in pair called couplet.

D. Same key can be used for all taxonomic categories.

E. Each statement in the key is called Lead.

Choose the most appropriate answer from the options given below: [NEET (UG) 2022 (Phase 2)]

(1) A, C, D and E only (2) A, B and C only

(3) B, C and D only (4) A, B, C and E only

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Q.7 Select the **correctly** written scientific name of Mango which was first described by Carolus Linnaeus: [NEET (UG) 2019]

(1) *Mangifera indica* (2) *Mangifera Indica*
(3) *Mangifera indica* Car. Linn. (4) *Mangifera indica* Linn.

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Q.8 Match the items given in **Column-I** with those in **Column-II** and select the correct option given below. [NEET 2018]

Column-I		Column-II	
a.	Herbarium	i.	It is a place having a collection of preserved plants and animals.
b.	Key	ii.	A list that enumerates methodically all the species found in an area with brief description aiding identification.
c.	Museum	iii.	Is a place where dried and pressed plant specimens mounted on sheets are kept.
d.	Catalogue	iv.	A booklet containing a list of characters and their alternates which are helpful in identification of various taxa.

(1) (a)-(ii), (b)-(iv), (c)-(iii), (d)-(i)
(2) (a)-(iii), (b)-(ii), (c)-(i), (d)-(iv)
(3) (a)-(iii), (b)-(iv), (c)-(i), (d)-(ii)
(4) (a)-(i), (b)-(iv), (c)-(iii), (d)-(ii)

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Q.9 Which of the following represents order of 'Horse'? [NEET 2017]

(1) Perissodactyla (2) Caballus
(3) Ferus (4) Equidae

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Q.10 Nomenclature is governed by certain universal rules. Which one of the following is contrary to the rules of nomenclature? [NEET 2016 (Phase 1)]

(1) The names are written in Latin and are italicised.
(2) When written by hand the names are to be underlined.
(3) Biological names can be written in any language.
(4) The first word in a biological name represents the genus name and the second is a specific epithet.

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Q.11 The label of a herbarium sheet does not carry information on [NEET 2016 (Phase 2)]

(1) date of collection (2) name of collector
(3) local names (4) height of the plant.

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Q.12 Match **column I** with **column II** for housefly classification and select the correct option using the codes given below. [NEET 2016 (Phase 2)]

Column I		Column II	
a.	Family	i.	Diptera
b.	Order	ii.	Arthropoda
c.	Class	iii.	Muscidae
d.	Phylum	iv.	Insecta

(1) (a)-(iii), (b)-(i), (c)-(iv), (d)-(ii)
(2) (a)-(iii), (b)-(ii), (c)-(iv), (d)-(i)
(3) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)
(4) (a)-(iv), (b)-(ii), (c)-(i), (d)-(iii)

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Q.13 Study the four statements (A-D) given below and select the two correct ones out of them.
The two correct statements are
A. Definition of biological species was given by Ernst Mayr.
B. Photoperiod does not affect reproduction in plants.
C. Binomial nomenclature system was given by R.H. Whittaker.
D. In unicellular organisms, reproduction is synonymous with growth. [NEET 2016 (Phase 2)]

(1) B and C (2) C and D (3) A and D (4) A and B

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Q.14 Which one of the following is not a correct statement? [NEET 2013]

(1) A museum has collection of photographs of plants and animals.
(2) Key is taxonomic aid for identification of specimens.
(3) Herbarium houses dried, pressed and preserved plant specimens.
(4) Botanical gardens have collection of living plants for reference.

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Q.15 The common characteristics between tomato and potato will be maximum at the level of their [NEET 2013 (Karnataka)]

(1) family (2) order (3) division (4) genus.

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Q.16 Which one of the following organisms is scientifically correctly named, correctly printed according to the international Rules of Nomenclature and correctly described? [AIPMT 2012 (Mains)]

(1) *Musca domestica*
– the common house lizard, a reptile

(2) *Plasmodium falciparum*
– a protozoan pathogen causing the most serious type of malaria.

(3) *Felis tigris*
– the Indian tiger, well protected in Gir forests.

(4) *E. coli* – full name *Entamoeba coli*, a commonly occurring bacterium in human intestine.

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Q.17 Which one of the following aspects is an exclusive characteristic of living things? [AIPMT 2011 (Mains)]

(1) Isolated metabolic reactions occur *in vitro*

(2) Increase in mass from inside only

(3) Perception of events happening in the environment and their memory.

(4) Increase in mass by accumulation of material both on surface as well as internally.

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Q.18 Which one of the following animals is correctly matched with its particular taxonomic category? [AIPMT 2011 (Prelims)]

(1) Tiger – *tigris*, species

(2) Cuttlefish – Mollusca, class

(3) Humans – Primata, family

(4) Housefly – *Musca*, order

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Q.19 ICBN stands for [AIPMT 2007]

(1) International Code of Botanical Nomenclature

(2) International Congress of Biological Names

(3) Indian Code of Botanical Nomenclature

(4) Indian Congress of Biological Names

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Q.20 The living organisms can be unexceptionally distinguished from the non-living things on the basis of their ability for [AIPMT 2007]

(1) interaction with the environment and progressive evolution

(2) reproduction

(3) growth and movement

(4) responsiveness to touch

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Q.21 Two plants can be conclusively said to belong to the same species if they [AIPMT 2007]

(1) have more than 90 percent similar genes

(2) look similar and possess identical secondary metabolites

(3) have same number of chromosomes

(4) can reproduce freely with each other and form seeds

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Q.22 Biological organization starts with: [AIPMT 2007]

(1) Cellular level

(2) Atomic level

(3) Organismic level

(4) Submicroscopic molecular level

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Q.23 Species are considered as [AIPMT 2003]

(1) real basic units of classification

(2) the lowest units of classification

(3) artificial concept of human mind which cannot be defined in absolute terms

(4) real units of classification devised by taxonomists.

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Q.24 Biosystematics aims at [AIPMT 2003]

(1) the classification of organisms based on broad morphological characters

(2) delimiting various taxa of organisms and establishing their relationships

(3) the classification of organisms based on their evolutionary history and establishing their phylogeny on the totality of various parameters from all fields of studies

(4) identification and arrangement of organisms on the basis of their cytological characteristics.

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Q.25 *Nicotiana sylvestris* flowers only during long days and *N. tabacum* flowers only during short days. If raised in the laboratory under different photoperiods, they can be induced to flower at the same time and can be cross-fertilized to produce self-fertile offspring. What is the best reason for considering *N. sylvestris* and *N. tabacum* to be separate species? [AIPMT 2003]

(1) They cannot interbreed in nature

(2) They are reproductively distinct

(3) They are physiologically distinct

(4) They are morphologically distinct

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Q.26 What is true for individuals of same species ? [AIPMT 2002]

(1) Live in same habitat

(2) Live in different habitat

(3) Interbreeding

(4) Live in same niche

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Q.27 Which of the following is less general in characters as compared to genus? [AIPMT 2001]

(1) Species (2) Division (3) Class (4) Family

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	**1**	**4**	**2**	**1**	**1**	**4**	**4**	**3**	**1**	**3**	**4**
Ques.	12	13	14	15	16	17	18	19	20	21	22
Ans.	**1**	**3**	**1**	**1**	**2**	**3**	**1**	**1**	**1**	**4**	**4**
Ques.	23	24	25	26	27						
Ans.	**1**	**3**	**1**	**3**	**1**						