



ARJUNA NEET BATCH



Living world

PYQs

By : jitu



1. Select the correctly written scientific name of Mango which was first described by Carolus Linnaeus (2019)

- a. Mangifera indica Car. Linn. ✗
- b. Mangifera indica Linn. ✓
- c. Mangifera indica ✗
- d. Mangifera Indica ✗

Ans B



2. Match the items given in Column I with those in Column II and select the correct option given below (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.

~~a. A-i B-iv C-iii D-ii~~

b. A-iii B-ii C-i D-iv

~~c. A-ii B-iv C-iii D-I~~

☒ d. A-iii B-iv C-i D-ii



3. Given below are the various taxonomic aids used in taxonomy which facilitate identification and classification of organisms. Which one of the following is wrong? (2017-Gujarat)

- a. Keys, floras, manuals, monographs and catalogues are useful aids for identification of plants and animals ^T
- b. ✓ Herbarium is created to house live ^{dead} specimens of plant material ^F
- c. Museums are established to keep preserved specimens of animals and plants ^T
- d. Botanical gardens and Zoological parks are established to conserve and preserve live plants and animals respectively



4. Study the four statements (A–D) given below and select the two correct ones out of them: (2016 -II)



A. Definition of biological species was given by Ernst Mayr. ^T

B. Photoperiod does not affect reproduction in plants. ^F

C. Binomial nomenclature system was given by R.H. Whittaker. ^α

D. In unicellular organisms, reproduction is ^T synonymous with growth. The two correct statements are

a ✓ A and D

b. A and B ^α

c. B and C ^α

d. C and D ^α



6. Match Column-I with Column-II for housefly classification and select the correct option using the codes given below: (2016 - II)

Column - I

Column - II

iii A. Family

(i) Diptera

i B. Order

(ii) Arthropoda

C. Class

(iii) Muscidae

D. Phylum

(iv) Insecta

α a. A-iv B-iii C-ii D-i

α b. A-iv B-ii C-i D-iii

✓ c. A-iii B-i C-iv D-ii

d. A-iii B-ii C-iv D-i

c α



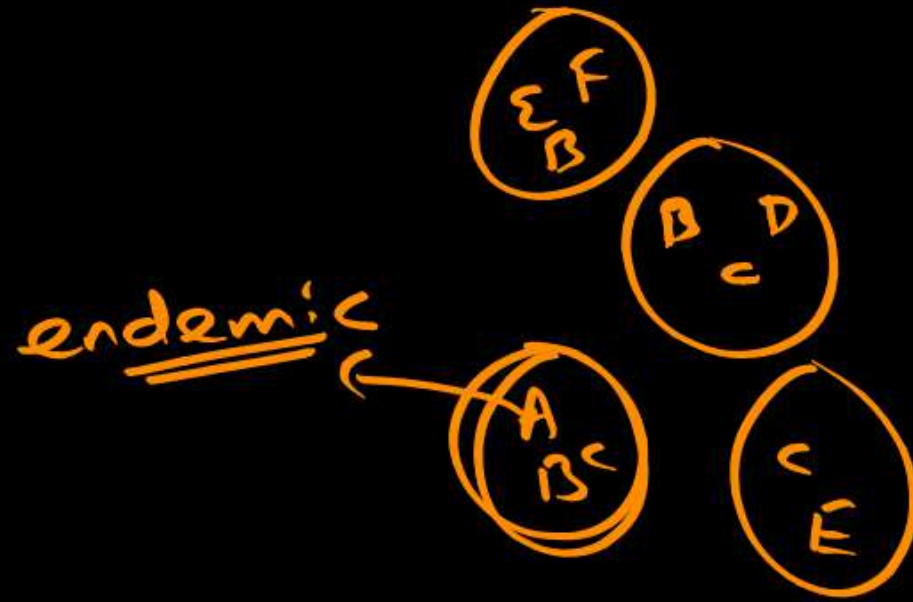
7. Which one of the following is not a correct statement? (2013)
- a. Key is a taxonomic aid for identification of specimens. T
 - b. Herbarium houses dried, pressed and preserved plant specimens. T
 - c. Botanical gardens have collection of living plants for reference. T
 - d. ✓ A museum has collection of photographs of plants and animals. F
- ✗





10. Biodiversity of a geographical region represents: (2011 Mains)

- a. Genetic diversity present in the dominant species of the region
- b. Species endemic to the region ✗
- c. Endangered species found in the region ✗
- d. ✓ The diversity in the organisms living in the region



11. Which one of the following animals is correctly matched with its particular named taxonomic category? (2011 Pre)



- a. Housefly - Musca, an order α
- b. ✓ Tiger - ~~t~~tigris, the species ✓
- c. Cuttlefish - Mollusca, a class α
- d. Humans - Primata, the family α



1. System nature" is a book written by

(a) Bentham and Hooker

(b) John Ray

(c) Lamarck

(d) Linneaus.



(DPMT 2008)



2. Choose the correct sequences of taxonomic categories

- (a) Class – Phylum – Order – Family – Genus – Species α
- (b) Division – class – Order – Family – Genus – Species
- (c) Division – Order – Class – Family – Genus – Species α
- (d) Phylum – Order – Class – Family – Genus – Species α

(KCET 2011)

$K \rightarrow P/D \rightarrow C \rightarrow O \rightarrow F \rightarrow G \rightarrow S$



3. Which is less general in character as compared to genus

(a) family

(b) class

(c) division

(d) ~~species~~

(CBSE 2001; Odisha 2011)

K
↓
D/P
↓
C
↓
O
↓
F
↓
G
↓
S



general characters ↑
common characters ↓





4. Correct sequence in Linnaean hierarchy. is

- (a) ~~species~~, genus, family, order, class ✓
- (b) species, genus, ~~phylum~~, family. Class
- (c) class. Family. Species, genus, order
- (d) phylum, class, family, species, order. ✓

(Karnataka 2001)

K → D/P → C → O → F → G → S



6. Which one is not a category?

(BV 2002)



(a) Phylum ✓

(b) Species ✓

(c) class ✓

(d) ~~Glumaceae.~~

↳ taxon
not category



9. Who wrote "Species Plantarum" and provided a basis for classification of plants

(a) Charies Darwin

(c) Rebert Hooke

☒ (b) carolus Linnaeus

(d) Leeuwenhoek.

(AIEEE 2004)



10. Botanical gardens provide

(CBSE 2005)



- (a) beautiful are for recreation α
- (b) reservoir for topical plants α
- (c) α ex situ conservation of germs plasm
- (d) natural habitat for wildlife α



11. Identify from the following, the category which has real existence

(a) Kingdom

(b) Phylum

(c) Genus

(d) ~~Species.~~

(KCET 2006)





12. A ~~living~~ organism can be unexceptionally differentiated from a ~~non-~~ living structure on the basis of

(a) reproduction α

(b) growth and movement α

(c) interaction with environment and progressive evolution α

~~(d) responsiveness.~~ ✓

(CBSE 2007)



16. Related genera belong to the same

(a) species

(c) ~~family~~

(b) variety

(d) breed.



(AFMC 2009)

K
↑
D/P
↑
C
↑
O
↑
F
↑
S
↑
S
↑
S



17. Scientific study of diversity of organisms and their evolutionary relationship is called

(a) morphology

(c) taxonomy

↓
diversity
of organisms

(b) anatomy

(d) ☒ systematics.

↓
organisms
↓
diversity + phylogeny

↓
phylogeny

(J & K CET 2011)



19. The framework system of classification in which various taxonomic categories are arranged in order of logical sequence is called

(a) systematics

(b) classification

☒ (c) hierarchy

(d) taxon.

(J & K CET 2011)



20. The basic unit of classification is

(a) species

(b) genus

(c) family

(d) phylum.

(J & K CET 2011)





21. Carious Linnaeus is associated with
- (a) inheritance of acquired characters
 - (b) binomial nomenclature
 - (c) law of independent assortment
 - (d) law of limiting factors

(AMU 2011)



23. Taxon is the unit of

(a) Species

(c) Order

(b) Genus

(d) ~~Taxonomy.~~

(J&K CET 2013)



24. Which is not correct

- (a) ~~✓~~ museum has collection of photographs of plants and animals.
- (b) Botanical gardens have collection of living plants for reference
- (c) herbarium houses dried, pressed and preserved plant specimens
- (d) key is taxonomic aid for identification of specimens.

(NEET 2013)



25. Which one shows the correct hierarchical arrangement

- (a) kingdom \leftarrow Division \leftarrow Class \leftarrow Order \leftarrow Family \leftarrow Species \leftarrow Genus α
 - (b) Kingdom \leftarrow Division \leftarrow Order \leftarrow Class \leftarrow Family \leftarrow Genus \leftarrow Species α
 - (c) Kindom \rightarrow Division \rightarrow Order \rightarrow Class \rightarrow Family \rightarrow Genus \rightarrow Species α
 - (d) kingdom \rightarrow Division \rightarrow Class \rightarrow Order \rightarrow Family \rightarrow Genus \rightarrow Species
 - (e) Kingdom \rightarrow Division \rightarrow Family \rightarrow Order \rightarrow Class \rightarrow Genus \rightarrow Species. α
- (Kerala 2014)



28. Nomenclature of governed by certain universal rules. Which one of the following is contrary to the rules of nomenclature

- (a) when written by hand, the names are to be underlined T
- (b) biological names can be written in any language F
- (c) the first word in a biological name represents the genus name and the second is a specific T
- (d) the names are written in Latin and are italicised. T

(NEET 2016)



29. The label of a herbarium sheet does not carry information on

- (a) height of the plant
- (b) date of collection
- (c) name of collector
- (d) local name.

(NEET 2016)



30. Which of the following is the correct scientific name of wheat derived by binomial nomenclature (AIIMS 2016)

(a) *Triticum vulgare*

(c) *Oryza*

☒ (b) *Triticum aestivum*

(d) *Zea mays*.



Assertion and Reason Type Question



In each of the following question two statements are given. One is Assertion (A) and other is Reasons (R). For the (A) and (R) statements, mark the correct answer as

- (a) If both A and R are true and R is the correct explanation of A
- (b) If both A and R are true and R is not correct explanation of A
- (c) If A is true but R is false. (d) if both A and R are false.

1. Assertion: Systematics is branch of biology that deals with classification of organisms.

A B C D

2. Assertion: Scientific name malus malus is illegitimate.

Reason : It is tautonym.

(EAM CET 2005)

A B C D



3. Assertion : Consciousness is considered as defining property of living organisms. T

Reason: All Organisms from prokaryotes to most complex eukaryotes can sense and respond to environmental stimuli. T (AIIMS 2016)

A ✓

B

C

D





*thanks
for watching*

