

# Kattar NEET 2026

## Botany By Rupesh Chaudhary Sir

### The Living World

- Q1** At which of the following taxonomic levels would it be most challenging to determine the relationship to other taxa at the same level?  
 (A) Order (B) Kingdom  
 (C) Genus (D) Species
- Q2** Which of the following pair of organisms shows least similarity?  
 (A) Potato and *Datura*  
 (B) Cat and Dog  
 (C) Wheat and Mango  
 (D) Gorilla and Human
- Q3** How many of the organisms belongs to same order which include humans?  
 Cat, Dog, Gorilla, Gibbon, Monkey, Lion, Leopard, Tiger  
 (A) Four (B) Eight  
 (C) Two (D) Three
- Q4** Organisms belonging to same order will always have same:  
 (A) genus (B) class  
 (C) family (D) species
- Q5** How many of the following organisms/groups possess features such as a notochord and a dorsal hollow neural system?  
 Birds, Amphibians, Fishes, Housefly, Leopard  
 (A) Three (B) Four  
 (C) One (D) Five
- Q6** Out of the following taxa which one represents the highest rank in taxonomic hierarchy?  
 (A) Polymoniales  
 (B) Monocotyledonae  
 (C) Anacardiaceae  
 (D) Poales
- Q7** Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R:  
**Assertion A:** Plant families like Solanaceae, Colvolvulaceae are included in the order Poales based on the floral characters.  
**Reason R:** In a particular order, similar characters are less in number as compared to different genera included in a family.  
 In the light of the above statements, choose the **correct** answer from the options given below:  
 (A) A is true but R is false.  
 (B) A is false but R is true.  
 (C) Both A and R are true and R is the correct explanation of A.  
 (D) Both A and R are true but R is Not the correct explanation of A.
- Q8** The common characteristics between dog and cat will be maximum at the level of their:  
 (A) order (B) genus  
 (C) family (D) class
- Q9** Given below are two statements:  
**Statement I:** Each genus may have one or more than one specific epithet representing different organisms with different morphological characters.  
**Statement II:** Genus is aggregates of closely related species and has less characters in common in comparison to species of other genera.  
 In the light of the above statements, choose the *most appropriate* answer from the options given below:  
 (A) Statement I is correct but Statement II is incorrect.  
 (B)



Statement I is incorrect but Statement II is correct.

- (C) Both Statement I and Statement II are correct.  
(D) Both Statement I and Statement II are incorrect.

**Q10** Brinjal, potato, *Datura* and *Petunia* belong to:

- (A) different families  
(B) same family  
(C) same genus  
(D) different classes

**Q11** Match **List-I** with **List-II**:

List-I		List-II	
(A)	Housefly	(I)	Poales
(B)	Wheat	(II)	Primata
(C)	Man	(III)	Diptera
(D)	Mango	(IV)	Sapindales

Choose the **correct** answer from the options given below:

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

**Q12** The common characteristics between brinjal and potato will be maximum at the level of their:

- (A) family. (B) order.  
(C) division. (D) genus.

**Q13** Which of the following species belongs to same genus?

- A. *melongena*  
B. *nigrum*  
C. *tuberosum*  
D. *aestivum*  
E. *indica*

Choose the **correct** answer from the options given below:

- (A) A and B only

(B) C and D only

(C) A, B and C only

(D) B and E only

**Q14** Identify the correct sequence of the following taxa from lower rank to higher rank:

- A. Sapindales  
B. Convolvulaceae  
C. Insecta  
D. Arthropoda  
E. *Triticum*

Choose the **correct** answer from the options given below:

- (A) E → D → A → C → B  
(B) E → B → A → C → D  
(C) E → A → B → D → C  
(D) D → B → A → C → E

**Q15** Which of the following suffixes in plant classification is used to indicate the taxonomic category 'family' in plants?

- (A) -ae (B) -ales  
(C) -aceae (D) -onae

**Q16** The term 'systematics' refers to:

- (A) Study of habitats and classification of organisms  
(B) Identification and preservation of organisms  
(C) Study of diversity of organisms and their evolutionary relationships  
(D) Identification and analysis of organ systems in plants and animals

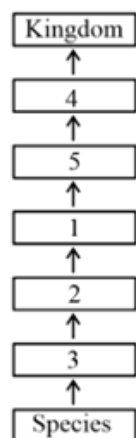
**Q17** Identify the **incorrect** statements about binomial nomenclature.

- A. Biological names are written in italics or separately underlined when handwritten.  
B. The first word is species, the second is genus.  
C. Author's name comes before the species name as abbreviation.  
D. Genus starts with a small letter; species with a capital letter.  
E. *Mangifera indica* Linn. is a correct representation for biological name of mango.  
(A) A and B only



- (B) B and E only  
 (C) C and E only  
 (D) B, C, and D only

**Q18** Refer to the given diagram and identify the correct statements.



- A. Primata, Diptera and Carnivora belong to category 5.  
 B. Lion, gorilla and housefly belong to same category 4.  
 C. Angiospermae belong to category 4.  
 D. Man and dog show maximum similarity at category 5.  
 E. Rank 3 is same for potato and brinjal.  
 Choose the **correct** answer from the options given below:

- (A) A, B, D, E only  
 (B) B and E only  
 (C) A, B and C only  
 (D) C, D and E only

**Q19** Which of the following regarding metabolism is correct?

- (A) Metabolic reactions can occur only inside living organisms.  
 (B) Isolated metabolic reactions in vitro are not living things but surely living reactions.  
 (C) Metabolism is not a defining feature of living organisms, as it can be simulated outside the body.  
 (D) Metabolic reactions are exclusive to plants and animals only.

**Q20**

The unique characteristics of a tissue arise due to:

- (A) The chemical composition of its individual cells  
 (B) The environment of the organism  
 (C) Interactions among its constituent cells  
 (D) Presence of a dominant cell type

**Q21** Which of the following are the basic processes involved in taxonomy?

- A. Nomenclature  
 B. Identification  
 C. Characterisation  
 D. Classification

Choose the **correct** answer from the options given below:

- (A) A and D only  
 (B) B and D only  
 (C) A, B and D only  
 (D) A, B, C and D

**Q22** Which of the following is **incorrect** regarding systematics?

- (A) The word systematics is derived from the Latin word  
 (B) 'Systema' means systematic arrangement of organisms.  
 (C) It takes into account evolutionary relationships between organisms.  
 (D) It does not include identification, nomenclature and classification.

**Q23** All living organisms-present, past and future are linked to one another because:

- (A) They show similar response to any external stimuli  
 (B) They share common genetic material but to varying degrees  
 (C) All show common cellular organization  
 (D) All share similar environmental condition

**Q24** Which of the following is a feature of living organisms but is not all inclusive defining character?

- (A) Cellular organisation



- (B) Metabolic activity
- (C) Reproduction
- (D) Consciousness

- Q25** Identify the **incorrect** statement about growth.
- (A) All living organisms grow.
  - (B) Increase in mass and increase in number of individuals are twin characteristics of growth.
  - (C) In unicellular organisms, growth and reproduction are mutually exclusive events.
  - (D) Some non-living objects also show growth.
- Q26** Which of the following characteristics is found only in human beings?
- (A) Self-replicating
  - (B) Evolving
  - (C) Self-regulating
  - (D) Self-consciousness
- Q27** Identify the **correct** statements regarding characteristic of living organisms.
- (A) Growth and reproduction are defining characteristics of living organisms.
  - (B) Growth is equivalent to increase in cell size but not to the number or mass.
  - (C) Photoperiod affects reproduction in seasonal breeders, both plants and animals.
  - (D) Properties of cellular organelles are not present in the molecular constituents of the organelle.
- Q28** Which of the following is **incorrect** regarding Carolus Linnaeus?
- (A) Binomial nomenclature was proposed by him.
  - (B) In the scientific name of mango, his name is abbreviated as Linn.
  - (C) He used *Systema Naturae* as the title of his publication.
  - (D) He gave the currently accepted definition of a biological species.
- Q29** Diptera is to Housefly as Polymoniales is to:
- |            |                    |
|------------|--------------------|
| (A) Wheat  | (B) Mango          |
| (C) Gibbon | (D) <i>Petunia</i> |

Q30

Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R:

**Assertion A:** The earliest classifications were based on the 'uses' of various organisms.

**Reason R:** In early days, human beings needed to find sources for their basic needs of food, clothing and shelter.

In the light of the above statements, choose the **correct** answer from the options given below:

- (A) A is true but R is false.
- (B) A is false but R is true.
- (C) Both A and R are true and R is the correct explanation of A.
- (D) Both A and R are true but R is Not the correct explanation of A.

**Q31** Which of the following statements best explains why growth cannot be considered a defining property of living organisms?

- (A) Only unicellular organisms grow, not multicellular ones
- (B) Cell division does not occur in non-living things
- (C) Not all living organisms can grow
- (D) Growth is seen in non-living things also

**Q32** Which of the following pairs is incorrectly matched?

- (A) *Solanum* – Genus
- (B) *tigris* – Species
- (C) Dicotyledonae – Order
- (D) Angiospermae – Division

**Q33** What makes binomial nomenclature universally acceptable and effective for scientific communication?

- (A) It allows multiple names for the same species.
- (B) It includes local names for reference.
- (C) It ensures one name for one species worldwide.
- (D) It allows naming in native languages.

**Q34** Which of the following can reproduce?  
A. Tiger



- B. Mango  
C. Mule  
D. Sterile worker bees  
E. Normal human couple

Select the **correct** option.

- (A) A, B and E (B) C and D  
(C) A, C and E (D) B, D and E

**Q35** Identify the **correct** statement.

- (A) Metabolic reactions can occur only within cells.  
(B) Only non-living systems can carry out chemical reactions.  
(C) Metabolism cannot be demonstrated outside the body of an organism.  
(D) No non-living object exhibits metabolism.

**Q36** In unicellular organisms like *Amoeba*, reproduction and growth are:

- (A) Mutually exclusive events  
(B) Independent of each other  
(C) Different processes occurring simultaneously  
(D) Synonymous processes

**Q37** Which one of the following is not a universally accepted rule of binomial nomenclature?

- (A) Both words are printed in italics  
(B) Specific epithet starts with a small letter  
(C) Generic name starts with a capital letter  
(D) The name is derived from Greek language

**Q38** Match **List I** with **List II**.

List-I		List-II	
(A)	Housefly	(I)	Solanaceae
(B)	<i>Homo sapiens</i>	(II)	Insecta
(C)	<i>Triticum</i>	(III)	Mammalia
(D)	Brinjal	(IV)	Monocotyledonae

Choose the **correct** answer from the options given below:

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

**Q39** Given below are two statements:

**Statement I:** The taxonomic groups/ categories are distinct biological entities and not merely morphological aggregates.

**Statement II:** All organisms have Kingdom as the highest taxonomical category.

In the light of the above statements, choose the **most appropriate** answer from the options given below:

- (A) Statement I is correct but Statement II is incorrect.  
(B) Statement I is incorrect but Statement II is correct.  
(C) Both Statement I and Statement II are correct.  
(D) Both Statement I and Statement II are incorrect.

**Q40** Species is considered the basic unit of classification because;

- (A) it includes many different genera.  
(B) members of a species can reproduce only within the same genus.  
(C) members of a species have fundamental similarities.  
(D) all species belong to same phylum.

**Q41** Which of the following sequences correctly represents the ascending order of taxonomic categories?

- (A) Class → Phylum → Order → Kingdom  
(B) Species → Genus → Family → Order  
(C) Kingdom → Phylum → Class → Genus  
(D) Genus → Species → Family → Class

**Q42** Read the following statements.

- A. Carolus Linnaeus is named "The Darwin of the 20<sup>th</sup> century".  
B. In a scientific name, author name is never mentioned.  
C. For plants, the scientific names are given by ICBN.  
D. Ernst Mayr gave a two-name format for naming of organisms.  
E. For animals, the scientific names are given by ICZN.



In the light of the above statements, choose the **correct** answer from the options given below:

- (A) A, C and E are correct
- (B) B, C and E are incorrect
- (C) B, C and D are correct
- (D) A, B and D are incorrect

**Q43** Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R:

**Assertion A:** Consciousness is considered the defining feature of living organisms.

**Reason R:** All living organisms can sense and respond to environmental stimuli.

In the light of the above statements, choose the **correct** answer from the options given below:

- (A) A is true but R is false.
- (B) A is false but R is true.
- (C) Both A and R are true and R is the correct explanation of A.
- (D) Both A and R are true but R is NOT the correct explanation of A.

**Q44** Given below are two statements:

**Statement I:** A dead organism does not grow.

**Statement II:** A brain-dead patient has self-consciousness.

In the light of the above statements, choose the **most appropriate** answer from the options given below:

- (A) Statement I is correct but Statement II is incorrect.
- (B) Statement I is incorrect but Statement II is correct.
- (C) Both Statement I and Statement II are correct.
- (D) Both Statement I and Statement II are incorrect.

**Q45** Match **List I** with **List II**.

List-I		List-II	
(A)	Family	(I)	Hominidae
(B)	Genus	(II)	Arthropoda
(C)	Phylum	(III)	<i>Petunia</i>
(D)	Order	(IV)	Poales

Choose the **correct** answer from the options given below:

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

**Q46** The maximum number of organisms that share the lowest number of common features will be present in the taxonomical category called;

- (A) Genus
- (B) Kingdom
- (C) Species
- (D) Class

**Q47** Which of the following organisms belong to order Carnivora?

- A. *Felis*
- B. Dog
- C. Monkey
- D. *Musca*
- E. Gorilla

Choose the **correct** answer.

- (A) C and E
- (B) A and B
- (C) B and D
- (D) C and B

**Q48** Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R:

**Assertion A:** In plants, cell division stops after a certain age.

**Reason R:** Growth in multicellular organisms is by cell division.

In the light of the above statements, choose the **correct** answer from the options given below:

- (A) A is true but R is false.
- (B) A is false but R is true.
- (C) Both A and R are true and R is the correct explanation of A.
- (D) Both A and R are true but R is NOT the correct explanation of A.

**Q49** How many of the following exemplify sexual reproduction?

- A. Budding in *Hydra*
- B. Spore formation in Fungi
- C. Binary fission in *Amoeba*





D. Regeneration in *Planaria*

E. Protonema in mosses

Choose the **correct** answer.

(A) Five

(B) Two

(C) Zero

(D) Three

**Q50** Which of the following doesn't belong to genus *Solanum*?

(A) *nigrum*

(B) *melongena*

(C) *indica*

(D) *tuberosum*

**Q51** Which of the following correctly represents the binomial name of tiger in accordance with rules of binomial nomenclature?

(A) *Panthera tigris*

(B) *Panthera tigris*

(C) *panthera tigris*

(D) *panthera Tigris*

**Q52** Which of the following sets of taxa have the same rank in the taxonomical hierarchy?

(A) Division and Class

(B) Phylum and Order

(C) Genus and Order

(D) Phylum and Division

**Q53** Given below are two statements:

**Statement I:** All present day living organisms are related to each other.

**Statement II:** All present day living organisms are related to all organisms that ever lived on this earth.

In the light of the above statements, choose the **most appropriate** answer from the options given below:

(A) Statement I is correct but Statement II is incorrect.

(B) Statement I is incorrect but Statement II is correct.

(C) Both Statement I and Statement II are correct.

(D) Both Statement I and Statement II are incorrect.

**Q54** In which of the following taxonomic categories would you place two species with maximum similarities?

(A) Order

(B) Family

(C) Genus

(D) Class

**Q55** Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R:

**Assertion A:** Systematics takes into account evolutionary relationships between organisms.

**Reason R:** The scope of systematics was later enlarged to include identification, nomenclature and classification.

In the light of the above statements, choose the **correct** answer from the options given below:

(A) A is true but R is false.

(B) A is false but R is true.

(C) Both A and R are true and R is the correct explanation of A.

(D) Both A and R are true but R is NOT the correct explanation of A.

**Q56** More than one specific epithets of a genus represent;

(A) similar organisms having morphological dissimilarities.

(B) different organisms, but having morphological similarities.

(C) different organisms, but having anatomical similarities.

(D) similar organisms having anatomical similarities.

**Q57** Match List I with List II.

List-I		List-II	
(A)	Taxon	(I)	Standardising the naming of living organisms
(B)	Identification	(II)	Grouping anything into convenient categories based on some easily observable characters
(C)	Nomenclature	(III)	Unit of classification
(D)	Classification	(IV)	Organism must be described correctly



Choose the **correct** answer from the options given below:

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

**Q58** Identify the incorrect statement about humans.

- (A) They show internal growth.
- (B) They show self-consciousness.
- (C) They belong to kingdom Animalia.
- (D) Their cells don't show metabolic activities.

**Q59** Mango and wheat belong to same;  
(A) genus. (B) division.  
(C) class. (D) species.

**Q60** Identify the true statement.

- (A) Classification is a single step process.
- (B) All organisms have been classified into nine broad taxonomical categories.
- (C) Insects have four pairs of jointed legs.
- (D) Linnaeus used *Systema Naturae* as the title of his publication.

