



# ETERNAL

## CAREER CLASSES

### Previous Years Questions

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- Q.1** Which of the following is not included under in situ conservation : **[AIPMT 2006]**  
(1) National park (2) Sanctuary (3) Botanical garden (4) Biosphere reserve
- Q.2** 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
- Q.3** 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
- Q.4** The highest number of species in the world is represented by : **[AIPMT Pre 2012]**  
(1) Mosses (2) Algae (3) Lichens (4) Fungi
- Q.5** Who proposed the term, 'alpha, 'beta' and 'gamma' in taxonomy? **[CET Chd. 2006]**  
(1) de Candolle (2) Turill (3) Huxley (4) Lamarck
- Q.6** In which of the following, organisms are very much similar to each other : **[BHU 2007]**  
(1) Order (2) Class (3) Genus (4) Species
- Q.7** Bionomical nomenclature was given by : **[BHU 2007]**  
(1) Linnaeus (2) Whittaker (3) Huxley (4) Darwin
- Q.8** Genera Plantarum was written by : **[CMC Vellore 2007]**  
(1) Engler and Prantl (2) Huxley (3) Carolus Linnaeus (4) Arthur Cronquist
- Q.9** New systematics and the concept of life was given by : **[Chd. CET 2008]**  
(1) Clementia (2) Elton (3) Odum (4) Huxley
- Q.10** In which book Benthum and Hooker proposed their classification? **[WB JEE 2008]**

- (1) Genera Plantarum (2) Species Plantarum  
(3) Historia Plantarum (4) Historia Nature

**Q.11** New systematics introduced by Sir Julian Huxley is also called : **[Kerala PMT 2008]**

- (1) Phenetics (2) Cladistics (3) Biosystematics (4) Numerical Taxonomy

**Q.12** Which one of the following statements correctly defines the term 'Homonym'?

**[WB JEE 2008]**

- (1) Identical name of two different plant.  
(2) Two or more names belonging to the same taxon.  
(3) When species name repeats the generic name.  
(4) Other name of taxon given in a language other than the language of Zoological / Botanical nomenclature.

**Q.13** '*Oryza sativa*' is a binomial name of rice plant. The 'sativa' stands for : **[WB JEE 2008]**

- (1) specific name (2) specific epithet (3) species name (4) specific nomenclature

**Q.14** External fertilization occurs in majority of : **[DPMT 2009]**

- (1) algae (2) fungi (3) liverworts (4) mosses

**Q.15** Largest number of species are traced in : **[Chd. CET 2009]**

- (1) arthropoda (2) echinodermata (3) bacteria (4) fungi

**Q.16** Taxonomic hierarchy refers to : **[DPMT 2009]**

- (1) Stepwise arrangement of all categories for classification of plants and animals.  
(2) A group of senior taxonomists who decide the nomenclature of plants and animals.  
(3) A list of botanists or zoologists who have worked on taxonomy of a species or group.  
(4) Classification of a species based on fossil record.

**Q.17** Which one of the following aspects is an exclusive characteristic of living things?

**[AIPMT 2011]**

- (1) Perception of events happening in the environment and their memory.  
(2) Increase in mass by accumulation of material both on surface as well as internally.  
(3) Isolated metabolic reactions occur *invitro*  
(4) Increase in mass from inside only

**Q.18** The closely related morphologically similar sympatric populations, but reproductively isolated, are designated as : **[AIPMT 2011]**

- (1) Clones (2) Sibling species (3) Clines (4) Demes

**Q.19** 'Taxon' is the unit of : **[AIPMT 2011]**

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

**Q.20** Floral features are chiefly used in angiosperms, identification, because **[AIPMT 2005]**

- (1) Flowers can be safely pressed  
(2) Reproductive parts are more stable and conservative than vegetative parts

- (3) Flowers are nice to work with  
(4) Flowers are of various colours
- Q.21** Which of the following is least general in characters as compared to genera? [AIPMT 2001]  
(1) Species                      (2) Division                      (3) Class                      (4) Family
- Q.22** 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
- Q.23** Species is considered as [AIPMT 2003]  
(1) Real basic unit of classification  
(2) The lowest unit of biosystematics  
(3) Artificial concept of human mind which cannot be defined in absolute terms  
(4) Real units of classification devised by taxonomists
- Q.24** Which of the following is not true of a species? [AIPMT 2005]  
(1) Members of a species can interbreed  
(2) Gene flow does not occur between the population of a species  
(3) Each species is reproductively isolated from every other species  
(4) Variations occur among members of a species
- Q.25** One of the most important function of botanical gardens is that : [AIPMT 2005]  
(1) They provide a beautiful area for recreation  
(2) One can observe tropical plants there  
(3) They allow *ex-situ* conservation of germplasm  
(4) They provide the natural habitat for wildlife
- Q.26** Two plants can be conclusively said to belong to the same species if they [AIPMT 2000]  
(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
- Q.27** All given are suffixes used for category class except [AIPMT 2008]  
(1) -phyta                      (2) -opsida                      (3) -phyceae                      (4) -ae
- Q.28** Biological concept of species was given by \_\_\_\_\_ and it is based on \_\_\_\_\_ [AIPMT 2000]  
(1) Lamarck; physiological isolation                      (2) Linnaeus; morphological isolation  
(3) Ernst Mayr; mechanical isolation                      (4) Ernst Mayr; reproductive isolation
- Q.29** Primary function of herbarium is : [AIPMT 2006]  
(1)  $\alpha$ -taxonomic research                      (2)  $\beta$ -taxonomic research  
(3)  $\omega$ -taxonomic research                      (4) All of these
- Q.30** Which one of the following is the first publication of Carolus Linnaeus? [AIPMT 2000]

- (1) Systema Naturae (2) Classes Plantarum  
(3) Hortus Cliffortianus (4) Hortus Upplandicus

- Q.31** Type specimen described alongwith holotype is called [AIPMT 2001]  
(1) Paratype (2) Isotype (3) Topotype (4) Lectotype
- Q.32** Scientific name *Rattus rattus* is an example of [AIPMT 2001]  
(1) Autonyms (2) Tautonyms (3) Synonyms (4) Homonyms
- Q.33** Species belonging to different time period are called [AIPMT 2002]  
(1) Synchronic species (2) Allochronic species  
(3) Sympatric species (4) Allopatric species
- Q.34** NBRI is situated at [AIPMT 2004]  
(1) Calcutta (2) Bombay (3) Madras (4) Lucknow
- Q.35** Which one of the following is not a correct statement? [AIPMT 2013]  
(1) Botanical gardens have collection of living plants for reference.  
(2) A museum has collection of photographs of plants and animals.  
(3) Key is a taxonomic aid for identification of specimens.  
(4) Herbarium houses dried, pressed and preserved plant specimens.
- Q.36** Which of the following statements is wrong for viroids? [AIPMT 2016]  
(1) Their RNA is of high molecular weight (2) They lack a protein coat  
(3) They are smaller than viruses (4) They cause infections
- Q.37** Nomenclature is governed by certain universal rules. Which one of the following is contrary to the rules of nomenclature. [AIPMT 2016]  
(1) When written by hand, the names are to be underlined  
(2) Biological names can be written in any language  
(3) The first word in a biological name represents the genus name, and the second is a specific epithet  
(4) The names are written in Latin and are italicised
- Q.38** The label of a herbarium sheet does not carry information on [AIPMT 2016]  
(1) height of the plant (2) date of collection (3) name of collector (4) local names
- Q.39** The genetic material in tobacco mosaic virus is [AIIMS 2016]  
(1) ss DNA (2) ss RNA (3) ds RNA (4) ds DNA
- Q.40** **Assertion :** Consciousness is considered as the defining property of living organisms.  
**Reason :** All organisms, from the prokaryotes to the most complex eukaryotes can sense and respond to environmental stimuli. [AIIMS 2016]  
(1) If both assertion and reason are true and reason is the correct explanation of assertion.

- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.  
 (3) If assertion is true but reason is false.  
 (4) If both assertion and reason are false.

**Q.41** Match column I with column II and choose the correct option.

[AIIMS 2017]

**Column-I**

- A. Family  
 B. Kingdom  
 C. Order  
 D. Species  
 E. Genus

**Column-II**

- I. Tuberosum  
 II. Polymoniales  
 III. Solanum  
 IV. Plantae  
 V. Solanaceae

- (1) A – IV; B – III; C – V; D – II; E – I      (2) A – V; B – IV; C – II; D – I; E – III  
 (3) A – IV; B – V; C – II; D – I; E – III      (4) A – V; B – III; C – II; D – I; E – IV

**Answer Key**

**(Previous Years Questions)**

Q.1	3	Q.2	1	Q.3	2	Q.4	4	Q.5	2	Q.6	4	Q.7	1
Q.8	3	Q.9	4	Q.10	1	Q.11	3	Q.12	1	Q.13	3	Q.14	1
Q.15	1	Q.16	1	Q.17	1	Q.18	2	Q.19	2	Q.20	2	Q.21	1
Q.22	3	Q.23	1	Q.24	2	Q.25	3	Q.26	4	Q.27	1	Q.28	4
Q.29	1	Q.30	1	Q.31	1	Q.32	2	Q.33	2	Q.34	4	Q.35	2
Q.36	1	Q.37	2	Q.38	1	Q.39	2	Q.40	1	Q.41	2		