

BIOLOGY ASSIGNMENT

CLASS-XI (MAY 2017)

Q1. When we try to define ' living ' we look for certain distinctive characteristics of living organisms. Mention four such features ?

Q2. Human beings are different from all other living organisms. Give one distinct characteristic.

Q3. Define the term "biodiversity" in the living world?

Q4. Amoeba multiplies by mitotic cell division. Is this phenomenon growth or reproduction?

Q5. How does vernacular name differ from scientific name?

Q6. Why should we give scientific names and different organisms?

Q7. How can you identify an organism?

Q8. Define the term systematic. Name the person who has given the system of taxonomy?

Q9. Explain three international codes of biological nomenclature?

Q10. Define a "taxon". Mention different taxonomic categories with suitable examples?

Q11. Mark the odd ones in the series:

- A) Family, Class, Taxon, Phylum
- B) Indica, Ficus, Mangifera, Tamarindus
- C) Plantae, Chordata, Trachaeophyta, Eucalyptus

Q12. How is key helpful in the identification and classification of organisms.

Q13. Write down scientific names of the following:

- (A) Wheat
- (B) Housefly
- (C) Cockroach
- (D) Mango
- (E) Man

Also mention the classes and phylas/divisions to which these organisms belong.

Q14. Do you think that zoological parks, museums and botanical gardens are meant for recreational purpose or they have some scientific value. Explain ?

EXTRA QUESTIONS

(Based on workshop attended on 19.04.17 at V.M.M.C)

- Q1. Name the major organs that you have observed during the programme.
- Q2. How can you differentiate a diseased organ from a normal one ?
- Q3. What is liver cirrhosis ? What are the symptoms of this disease ?
- Q4. You have seen a specimen of an abnormal foetus. Mention the type of abnormality the foetus was suffering.
- Q5. What will happen if pregnant mother is a drug addict ?
- Q6. Mention major ill effects of smoking.
- Q7. Explain role of gall bladder. How is gall stone developed ?
- Q8. A patient is in comma with brain dead. Discuss what does it mean ?
- Q9. Name the different respiratory disorders that develop by smoking.
- Q10. How does heart attack take place ?

PROJECT WORK

Prepare a herbarium. Mention common names, scientific names and classification of the plants that you will use in the preparation of a herbarium.