

BIOLOGY ASSIGNMENT

CLASS-XI (MAY 2018)

- 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 26.04.18)

- 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.