

# Biology (New Book) - 9th Class Biology Urdu Medium Chapter 2 Preparation

### Q1. What were the shortcomign of three kingdom classfication system.

Ans 1: i. Some taxonomists disagreed about athe positio of fungi in kingdom planatae

- ii. Fungi resemble platns in many ways but ar eheterotrophs Which get their food by absorption
- iii. They do not have cellulose in their cell wall but posses chitin

# Q2. Difference between Fungi and Plants

#### Ans 1: Fungi:

- i. Eukaryotic organisms
- ii. Mostly multicellular and some fungi are unicellular
- iii. Fungi may be saprotrophci decomposers
- iv. Fungi have chitin in their cell walls.
- v. Fungi have absorptive mode of nutrition

Examples:

Black bread mold, yeast, mushroom etc.

#### Ans 2: Plants:

- i. Eukaryotic organisms.
- ii. Kulti cellular
- iii. Plants are autotrophci with chloroplasts containing chlorophll.
- iv. Plants cell wall is made of cellulose
- v. Plants have photosynthesic mode of nutrition.

Exaple: Moss, mustard

# Q3. Difference between Plant and Animals

# Ans 1: Plant:

- i. Eukaryotic muti cellular
- ii. Autotrophci whith chloroplast containging Chlorophyll
- iii. thy have cellulose in cell walls.
- iv. They cannot move
- v. Examples: Mose, Mustard

#### Ans 2: Animals:

- i. Eukaryotic multi cellular
- ii. Heterotrophic and lack chlorophyll
- iii. animals lack cell wall
- iv. They cna move from place to place.
- v. Example: a . Invertebrates e.g. insects, star fish
- b. Vertebrates e.g. fish, frogs.

### Q4. What are the seven taxonomic ranks used in the Linnaean system.

Ans 1: Linnaeus developed a system that went from broadest to most specific the level of classification he used are

**Ans 2:** Kingdom, phylum class, Order, Family, Genus and species.

Q5. What is domain? Name three deomains of life.

**Ans 1:** In biology, a domain means the largest of all groups in the classification of life. Domain is group of kingdoms, or taxonomic catergory above the kingdoms. The three domains of life are Archaea. Bacterial and Eukarya.

Q6. How dows binomial nomenclature facilitate clear communication about organismsm across different languages.

Ans 1: It facilitates by provideing a universal naming system for species.

Q7. Compare two kingdow, Kingdom, and five kingdom classification system.

#### Ans 1: Two Kingdom:

- i. It includes two kingdomw Plantae and nimalia
- ii. Bacteria and cyanobacteria were placed in plant kingdom
- iii. Uniellular or simple multicellular eukaryotes wrongly placed in kingdom plantae and animalia.
- iv. Fungi are wrongly placed in kingdom plantae

#### Ans 2: Three Kingdom:

- i. It includes three kingdoms plantae, Animalia, Protista
- ii. Euglena was placed in kingdom protista.
- iii. Multicellular microscopic organismsm were spearated from uncellular microscopic organisms.
- iv. Fungi were placed in kingdom plantae

#### Ans 3: Five Kingdom:

- i. It includes five kingdoms Monera, protista, Fungi, plantae and Aimals
- ii. Bacteria and cyanobacteria are placed in kingdom Moneara
- iii. Unicellular or simple multicellular eukaryotes placed in kingdom Protista
- vi. Fungi are placed in kingdom Fungi
- Q8. How is he biodiversity crucial for humans and for the planet Earth.
  - Ans 1: Biodiversity provides many essentil services for humans and the planet. Here are some key benefits of biodiversity
  - **Ans 2:** 1. Ecosystem Stability: Biodiversity helps maintain the balance of ecosystems by contributing to the biogeochemical cycle.such as water cycle, carbon cycle, and nitrogen cycle.
  - Ans 3: 2. Climate Regulation: Plants and algae absorb carbon dioxide, helping to regulate the climate
  - Ans 4: Natural Resources: Biodiversity provides a vast array of resources form food and medicine to building materials and fuel
  - Ans 5: 4. Economic Benefits: Biodiversity supports numerious industire,s including agriculture tourism and pharmaceuticals
- Q9. Enlist the distingushing characteristics of fungi.

### Ans 1: Kingdom Fungi:

Their cells are covered by cell wall made of chitin

- ii. Example are mushrooms, rusts, smuts and molds.
- iii. Fungi get nutrients in a unique way They do not ingest food like animals and some protists. They absorb food from surroundings.

Q10. Why cannot we classify viruses in any Kingdom.

Ans 1: Viruses are not included in any kingdom because they lack any of the characteristics of the three domains of life.