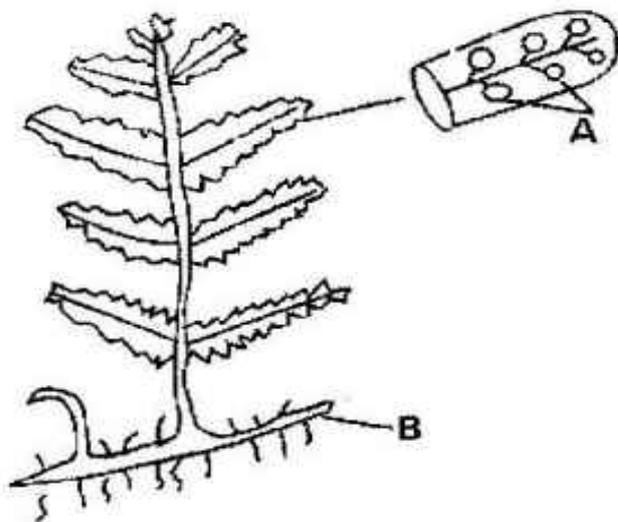


Classification II Questions and Answers - Biology Form 3 Topical Revision

Questions

1. State two ways in which some fungi are harmful to man (2 marks)
2. The diagram below represents a fern



Name

- a. Parts labeled A and B (2 marks)
 - b. The division which the plant belongs to (1 mark)
3. An organism with an exoskeleton, segmented body, two pairs of legs per segment, a pair of eyes and a pair of short antennae belongs to the phylum (1 mark)
 4. When are two organisms considered to belong to the same species? (2 marks)
 5. A student caught an animal which had the following characteristics;
 - Body divided into two parts
 - Simple eyes
 - Eight legs

The animal belongs to the class (1 mark)

6. Below is a list of organisms, which belong to classes insecta, myriapoda and arachnida. Tick, centipede, praying mantis, tsetse fly. Millipede and spider. Place the organisms in their respective classes in the table below. Give reasons in each case.

Class	Organisms	Reasons
Insecta		
Myriapoda		
Arachnida		

7. State two characteristics features of members of division bryophyte (2 marks)
8. State two ways in which some fungi are beneficial to humans (2 marks)
9. Other than having many features in common state the other characteristics of species (1 mark)
10. Beside the abdomen, name the other body part of members of arachnida (1 mark)
11. Name the phylum whose members possess notochord. (1 mark)
12. Name the class in the phylum arthropoda which has the largest number of individuals (1 mark)
13. To which class does an animal with two body parts and four pairs of legs belong? (1 mark)

- a. Name two organisms that cause food spoilage (2 marks)

Answers

1. - Food spoilage
 - Food poisoning
 - Cause disease
 - a. A- Sorus
 - B- Rhizomes
 - b. Pteridophyta
3. Arthropoda
4. When they interbreed freely giving rise to a viable/fertile offspring.
5. Arachnida
- 6.

	Organism	Reason
Insecta	- Praying mantis	- 3 body parts
	- Tsetse fly	- 3 pairs of legs
Myriapoda	- Centipede	- Many segments
	- Millipede	- Many legs
Arachnida	- Tick	- 2 body parts
	- Spider	- 4 pairs of legs

7. - Presence of rhizoids
 - Absence of vascular tissues
 - Body parts not differentiated into roots, stem and leaves
 8. - Brewing industry
 - Baking of bread
 - Manufacture of medicine/antibiotics
 - Source of food
 - Manufacture of vitamin K and B₁₂
 9. Interbreed to produce fertile/viable offspring
 10. Cephalothorax; prosona.
 11. Chordata
 12. Class insecta
 13. Arachnida
 - a. - Fungi
 - Saprophytic bacteria
 - b. - Refrigeration
 - Very low temperature inactivates the organism and metabolic activities are very low and they do not reproduce
 - Cooking -High temperatures kill the micro-organism and they cannot reproduce
 - Preservatives - create unsuitable acidic media in which micro-organisms cannot grow.
 - Salting - Create high osmotic pressure and micro-organisms become dehydrated.
- a. - They are closed circulatory system
 - They are homoeothermic
 - Both use lungs for gaseous exchange
 - b. - They have mammary glands
 - Skin covered with fur or hair