

**B.Ed. Programme - PART-B: BIOLOGICAL SCIENCES**  
**Model Question Paper**

**Questions: 100**

**Marks: 100**

**TIME: 100 Mins**

**SAMPLE QUESTIONS - BOTANY**

**Choose the correct option out of the following.**

1. Bacteriophage- mediated genetic recombination in bacteria is known as:  
a) Conjugation    b) Transformation    c) Transduction    d) Sexduction    e) Transformation
2. In which family gnostegium is present?  
a) Cucurbitaceae    b) Asclepiadaceae    c) Capparidaceae    d) Malvaceae    e) Solanaceae
3. Secondary xylem develops from  
a) Procambium    b) phellogen    c) Apical meristem    d) Vascular cambium    e) Lateral meristem
4. Insectivorous plants are best adapted to  
a) Phosphorous deficient soils  
b) Magnesium deficient soils  
c) Boron deficient soils  
d) Nitrogen deficient soils  
e) Manganese deficient soils
5. Vegetative period of plants may shorten through  
a) Bud dormancy    b) Leaf abscission    c) senescence    d) Vermilization    e) none

**SAMPLE QUESTIONS - ZOOLOGY**

**Choose the correct option out of the following.**

1. The classification of phylum protozoa is based on  
a) Nutrition    b) nucleus    c) Locomotary organs    d) contractile vacuole  
e) Mitochondria
2. The active feeding stage in the life cycle of plasmodium is  
a) Sporozoite    b) Trophozoite    c) Merozoite    d) Cryptozoite    e) Trypanozoite
3. Sponges do not reproduce by  
a) Sexual method    b) budding    c) gemma formation    d) Gemmule formation    e) fragmentation
4. The larva of Schistosoma is called  
a) Muller's larva    b) Cercaria    c) Cysticerous    d) Planula    d) doliopore
5. The most primitive annelid is  
a) Polygordius    b) Arenicola    c) Acanthobdella    d) Sabella    e) Earthworm