

Roll No. _____ (To be filled in by candidate)

(For all sessions)

Paper Code	6	4	6	5
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Biology (Objective Type)**Time: 20 Minutes****Marks: 17**

NOTE: Write answers to the questions on the objective answer sheet provided. Four possible answers

A,B,C and D to each question are given. Which answer you consider correct, fill the corresponding circle A,B,C or D given in front of each question with Marker or pen ink on the answer sheet provided.

- 1.1. Flame cells collect waste products from body fluid, so part of:

(A) Respiratory system	(B) Digestive system	(C) Excretory system	(D) Nervous system
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2. Some fishes fill their swim bladder by gulping of air, it shows their swimmer bladder is connected with:

(A) Pharynx	(B) Larynx	(C) Esophagus	(D) Epiglottis
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3. The number of CO₂ molecules required to produce one molecule of Triose sugar are:

(A) 3	(B) 6	(C) 4	(D) 2
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4. Energy is required for nerve conduction which is provided by the Phenomenon of:

(A) Photosynthesis	(B) Respiration	(C) Digestion	(D) Excretion
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5. In root nodules, nitrogen fixing bacteria convert nitrogen into:

(A) Ammonia	(B) Urea	(C) Nitrates	(D) Uric Acid
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6. In earthworm, exchange of gases mainly occurs through:

(A) Gills	(B) Lungs	(C) Book Lungs	(D) Skin
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7. Average velocity of sugar movement in Phloem is 1m/hour but rate of diffusion is 1m/eight years. It shows diffusion is:

(A) Too fast	(B) Medium process	(C) Slow and fast	(D) Too slow
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8. During day time, solute concentration in plant guard cells increases, then water potential in guard cells:

(A) Decreases	(B) Increases
(C) Not change	(D) Increases and then Decreases
9. Mammals became dominant in:

(A) Cenozoic era	(B) Mesozoic era	(C) Palaeozoic era	(D) Proterozoic era
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10. Fats are insoluble in:

(A) Ether	(B) Alcohol	(C) Water	(D) Chloroform
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11. Co-enzyme is closely related to:

(A) Minerals	(B) Proteins	(C) Enzymes	(D) Vitamins
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12. Haploid Chromosome number in Drosophila melanogaster is:

(A) 8	(B) 4	(C) 23	(D) 13
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13. Micro-organisms which are composed of only proteins:

(A) Viroids	(B) Virion	(C) Prions	(D) Bacteria
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14. Prokaryotes that do not have peptidoglycan cell wall are:

(A) Cyanobacteria	(B) Gram-Positive Bacteria	(C) Archaeobacteria	(D) Gram-Negative Bacteria
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15. Protozoans having two kinds of Nuclei are called:

(A) Actinopods	(B) Ciliates	(C) Zooflagellates	(D) Apicomplexans
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16. Histoplasmosis is a serious infection of:

(A) Heart	(B) Brain	(C) Kidney	(D) Lungs
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17. Pteropsida is further sub-divided into:

(A) 2-classes	(B) 3-classes	(C) 4-classes	(D) 5-classes
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