

Class test on Respiration, Sem – IV, Zoology Hons., 2nd Year; Mugberia Gangaunat

F.M.- 30, Time 1hr.

5X2= 10

Write Short questions:

11. Write the significance of Oxygen-dissociation curve.
12. What is Haldane effect?
13. How does CO (carbon monoxide) interfere with O₂ carrying capacity of Haemoglobin?
14. What are R and T status of haemoglobin?
15. What is hypoxia?

Write broad questions:

5. A) Describe the transport of CO₂ in blood (i) in the form of bicarbonate ion, ii) in combination with haemoglobin and plasma proteins in mammals. B) Short note on: i) methaemoglobin, ii) role of CO₂ concentration and DPG in O₂ dissociation curve. 3+3+2+2= 10
6. a) What is chloride shift? b) How is oxygen transported through blood / state the role of haemoglobin in oxygen transport? C) Explain the process of bicarbonate formation by CO₂ during transport to lung? D) Differentiate arterial blood and venous blood? 2+3+3+2= 10