

**DEPARTMENT OF ZOOLOGY**

**6<sup>TH</sup> SEMESTER**

**CLASS TEST**

**FULL MARKS- 30**

**1. Answer the following questions- (any five)**

**5×2=10**

- I. Define fossils? How are they formed?
- II. Define geological time scale?
- III. What do you mean by era & epoch?
- IV. Write notes on- molecular clock?
- V. Write about the significance of fossils?
- VI. Which era is known as the golden age of reptiles?
- VII. What do you mean by neutral theory & molecular evolution?

**2. Answer the following questions- (any four)**

**5 ×4=20**

- I. write names of fossils of hominids & their characters?
- II. Describe the evolution of horse?
- III. Name the division of the coenozoic era. Why this era is famous in geological history?
- IV. Name various divisions of palaeozoic era.  
Write downs the name of animals found in each division & give an account of climate of each period.

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**1. Answer the following questions- (any five)**

**5×2=10**

- I. What is RNA world hypothesis?
- II. What are hot dilute soup & coacervate?
- III. Distinguish between protobiont & ebiont?
- IV. Distinguish between interspecific & intraspecific ?
- V. What is survival of the fittest?
- VI. What are genetic drift & gene flow?
- VII. Distinguish between lamarkism & Darwinism?
- VIII. What are variation & natural selection?
- IX. What do you mean by prodigality of production?

**2. Answer the following questions- (any two)**

**10 ×2=20**

- I. How does the modern synthetic theory differ from the darwinian theory of evolution? Explain.
- II. Explain in brief the darwin's theory & its demerits.
- III. Explain in brief the chemical origin of life(oparin & Haldane).