

**Ph.D. Course Work-2018B**  
**3<sup>rd</sup> Sessional**  
**Recent Development in Zoology**  
**(PhD-103)**

**Duration: 1Hr.**

**Full Marks: 30**

**(Answer any three from the following)**

1. What do you mean by GMO? Write the merits and demerits of GMO in the present context. (2+8=10)
2. What do you mean by cryopreservation? Which materials are preserved through cryopreservation? Why it is required? (2+4+4=10)
3. What do you mean by tissue culture? Write in detail about the various techniques of tissue culture. (2+8=10)
4. Define bioinformatics. Explain the various uses of bioinformatics for resolving biological problems. (2+8=10)

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