



# UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program : Third Semester – Fall 2021

Paper: Biology

Course Code: BIO-112

Roll No. ....

Time: 3 Hrs. Marks: 60

**Q.1. Answer the following short questions:**

**(10x3=30)**

- 1- Differentiate autecology and Synecology.
- 2- What do you mean by hypothesis?
- 3- ~~How does an enzyme accelerate a metabolic reaction?~~
- 4- Is there any similarity between bacterial and plant cell wall?
- 5- Differentiate Phenotype and Genotype.
- 6- Differentiate bone and cartilage.
- 7- What is the difference between CNS and PNS?
- 8- What measures should be taken to avoid food poisoning?
- 9- What is the composition of fungal cell wall?
- 10- What is homospority?

**Q.2. Answer the following questions.**

**(3x10=30)**

- 1: Describe the structure and functions of the different parts of human brain.
- 2: How did Meselson and Stahl show that DNA replication is semi-conservative?
- 3: Define succession. Discuss succession on land.