6. Describe the main principles of DNA replication and what are factors, that affect the DNA replication? 10

7. What is meant by protein bio-synthesis? What are the steps of protein bio-synthesis? Discuss in detail. 3+7=10

Or

8. Where does protein bio-synthesis occur and what are the three types of protein synthesised? Is protein synthesis DNA or RNA discuss. 2+2+6=10

9. Discuss the various parts of immune system mentioning their significance and functions. 10

Or

10. Distinguish between F-cells, B-cells and NK cells. 10

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UG Odd Semester Examination, 2022

EDUCATION B.Sc. B.Ed

(7th Semester)

Course No.: BSZH-701

(Development Biology, Molecular Biology and Immunology)

Full Marks: 50

Pass Marks: 20

Time: 2 hours

The figures in the right margin indicate full marks for the question.
Answer the following five (5) questions

1. Describe the various types of animal eggs in zoology. What are the three classification of egg. 5+5=10

Or

2. Discuss the biological significance of fertilization. In brief write about the animal cleavage pattern. 5+5=10

3. Discuss the embryonic development and gastrulation in Rabbit. 5+5=10

Or

4. What are the extra-embryonic membranes in humans? Discuss their importance and functions. 5+5=10

5. What is the classical concept of structure and functions of gene? 10

Or