6. What is meany by Rh-factor? Differentiate between inbreeding and out-breeding. 3+7=10

7. What type of radiation is background radiation? And what is the source of natural background radiation? Give examples. 5+5=10

Or

8. What is meant by radioactive radiation and radioactive decay? How radioactive substances effect human body? Explain. 5+5=10

9. What are some commonly used radioiostopes? Give their biological importance in medical sciences. 10

Or

10. What is meant by half-life of radioactive element? Why are radioactive isotopes important to humans? 5+5=10

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UG Odd Semester Examination, 2022

EDUCATION B.Sc. B.Ed

(7th Semester)

Course No.: BSZH-702

(Immonology, Genetics and Radiation)

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. In details discuss the four types of immune responses? 10

Or

2. Discuss the significant role of bone marrow and thymus in immune response. How immune system can be weakened by AIDS? Explain. 5+5=10

3. What is aneuploidy? Is Down's Syndrome genetic disease? In brief discuss the main symptoms and causes of Down's syndrome. 2+3+5=10

Or

4. Differentiate between autosamal and heterosomal syndromes. What are the risks, benefits and procedure of amino centesis? 4+6=10

5. What are the factors of population genetics? Explain the Hardy Weinberg's Law. 5+5=10

Or