

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.Sc. DEGREE EXAMINATION – ZOOLOGY

SECOND SEMESTER – APRIL 2022

PZO 2502 – RADIATION BIOLOGY

Date: 17-06-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

Part - A

Answer ALL the Questions

(10×2=20 Marks)

1. What are radio sensitizers?
2. What is lethal death?
3. Comment on Lymphocytes.
4. Comment on Cell survival curve.
5. What is equivalent dosage?
6. Comment on duplication.
7. Expand ICRP.
8. What is Myeloma?
9. Comment on exposure protective period?
10. What is LC₆₀?

Part - B

Answer any FOUR Questions

(4×10=40 Marks)

11. Explain cerebrovascular syndromes due to radiation.
12. Give an account on chromosomal aberrations and radiation.
13. Explain environment influenced cancer with reference to dosage exposure.
14. Write short notes on haemopoiesis and radiation.
15. Explain occupational hazards of radiation.
16. Give an account on the effects of radiation on spermatogenesis.

Part - C

Answer any TWO Question

(2×20=40 Marks)

17. Describe the various committees and regulatory bodies of radiation protection.
18. Discuss the health hazards of radiation on man.
19. Write an essay on DNA damages.
20. Describe the types of Acute Radiation Syndromes (ARS).

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