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PGIIS 1564 B-15

M.Sc. IIIrd Semester Degree Examination

Biotechnology

(Animal Biotechnology)

Paper - HCT - 3.1

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates.

- 1) Section 'A' has all compulsory questions.
- 2) Answer 'B' and 'C' sections as per instructions.

Section - A

I Answer the following in brief:

(10×2=20)

1. Parathyroid gland
2. Follicular atresia
3. Tasar
4. Hematopoietic
5. Infertility
6. Hybridization probe
7. Ectodermal cells
8. Spermatogonia
9. Baculo viruses
10. HGPRT

Section - B

II Answer any **four** of the following:

(4×6=24)

11. Human gene therapy.
12. Mechanism of hormone action.

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13. Animal viral vectors.
14. Application of RFLP.
15. Aquaculture.
16. Structure of ovary.

Section -C

III Answer any **three** of the following:

(3×12=36)

17. Describe the structure and functions of endocrine glands.
 18. What are stem cells? Mention its culture, types of characterization and applications.
 19. "Earth worms are farmer friends" substantiate the statement.
 20. Describe Human Genome project and its applications.
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