

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

FIRST SEMESTER

Biotechnology

Paper II — BIOMOLECULES

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

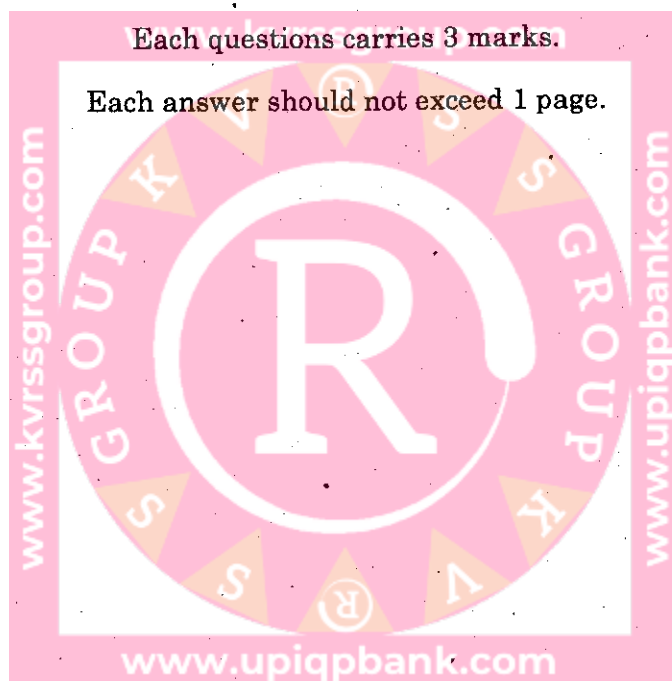
PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each questions carries 3 marks.

Each answer should not exceed 1 page.

1. Purines
2. t-RNA
3. VanderWal force
4. Starch
5. Vitamin – D
6. Auxins
7. Alkaloids
8. Cellulose



PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each answer carries 15 marks.

Each answer should not exceed 6 pages.

9. Write about different forms of DNAs and their salient features.  
Or
10. Give detailed account on chemistry of nucleic acids.
11. What are carbohydrates give their broad classification with examples?  
Or
12. Discuss the different forces and chemical bonds of carbohydrates.

13. What are proteins? Give their classification.

Or

14. Write short notes on plant growth hormones.

15. Write about major groups of secondary metabolites and their applications.

Or

16. Write short notes on :

(a) cytochromes

(b) antibiotics.

