

D 12669

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2006

Microbiology

Paper MB1. IT—GENERAL BIOCHEMISTRY

(2005 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A

I. Write about/answer *all* the questions, each in two or three sentences. Each question carries 2 marks :-

- 1 Anomers.
- 2 Heparin.
- 3 Proline and hydroxy proline.
- 4 Edmann's degradation.
- 5 Glutathione.
- 6 Lecithin and cephalin.
- 7 Fluid Mosaic model.
- 8 Nucleoside analogues.
- 9 Thyroid stimulating hormone.
- 10 Adrenocorticosteroids.
- 11 Antidiuretic hormone.
- 12 Thiamine pyrophosphate.
- 13 L-Ascorbic acid.
- 14 Night-blindness.
- 15 Flame photometry.
- 16 Tyndall effect.
- 17 NMR.
- 18 Molecular exclusion chromatography.
- 19 Reverse osmosis.
- 20 Ion exchange resins.

(20 x 2 = 40 marks)

Turn over

Section B

II. Write note on/discuss any *five* of the following. Each question carries 8 marks :-

- 1 Tracer techniques.
- 2 Affinity chromatography.
- 3 Structure and properties of different types of RNA.
- 4 Prostaglandins.
- 5 **Ramachandran's** plot and protein structure.
- 6 **Glycosaminoglycans**.
- 7 Pituitary hormones.

(5 x8=40 marks)