

Bachelor of Science (B.Sc.) (Part – III) Sixth Semester
B.Sc.4540 – Zoology Paper – II (Applied Zoology – II)
(Biotechniques, Microtechniques, Immunology, Bioinformatics and Biostatistics)

P. Pages : 1

Time : Three Hours



GUG/W/18/1362A

Max. Marks : 50

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw labelled diagram wherever necessary.

1. Describe the separation of bio – molecules by centrifugation method. 10

OR

a) PAS method. b) Section Cutting.
2. Write in detail cell mediated immunity. 10

OR

a) Nucleotide data base. b) Mean and Mode
3. Attempt the following. 10

a) Heat Sterilization. b) Embedding.
c) IgG d) Data Presentation.

OR

e) UV Radiation. f) Deparaffinization
g) IgA h) Standard Deviation
4. Attempt the following. 10

a) Thin layer Chromatography. b) Rotary microtome
c) Bone Marrow d) NCBI

OR

e) Auto claving. f) Bromo – phenol blue method.
g) Thymus h) Data tabulation
5. Write 4 to 5 lines on the following **any ten.** 10

i) Wet Sterilization. ii) Cation Exchanger.
iii) Histochemistry. iv) Agarose gel
v) Bouin's Fluid vi) Natural Stain
vii) Immunoglobulin viii) Cell receptor.
ix) Antigen x) DBMS
xi) Gene bank xii) Data.
