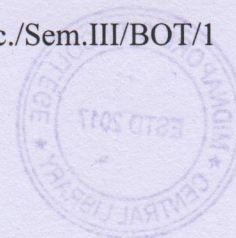


Third Semester Examination-2018

M.Sc. BOTANY

Paper Code: BOT-305

(Practical)



Full Marks : 25

Time: 3 Hours

Unit -I

CELL BIOLOGY, GENETICS AND BIOTECHNOLOGY

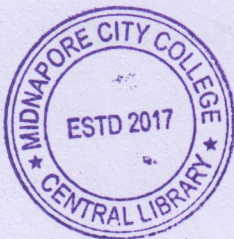
1. Prepare an appropriately stained slide for supplied sample 'A'. 1+3=2+1=7
 - i) Requisition
 - ii) Experimentation (slide preparation)
 - iii) Drawing
 - iv) Comment.

2. Identify with comments for the specimens B and C. 2½+2½=5

3. Perform the experiment on biometry for the supplied materials 3+3=6
 - i) Experiment
 - ii) Comment

4. Viva – Voice 4

5. Lab Note Book 3

**Third Semester Examination-2018****M.Sc. BOTANY**

Paper Code: BOT-305

(Practical)

Full Marks : 25

Time: 3 Hours

Unit –II**PLANT PHYSIOLOGY, BIOCHEMISTRY & MOLECULAR BIOLOGY****1. Perform the Experiment with (√) mark 9**

- i) Determination of percentage of seed viability of TTC test
Or
- ii) Determination of isotonic concentration and osmotic pressure of cell sap.
Or
- iii) Effect of photosynthetic promoters /inhibitors on the rate of photosynthesis.
Or
- iv) Extraction of chlorophyll and comparative study of chlorophyll levels in laves of different chronological ages.

Requisition	2
Experimentation	3
Result	2
Conclusion	2

2. Perform the experiment with (√) mark 9

- i) Preparation of a standard curve for proteins and determination of protein levels in unknown sample.
Or
- ii) Preparation of standard curve for carbohydrates and determination of carbohydrate levels in unknown samples.
Or
- iii) Preparation of standard curve of IAA and determination of IAA level in unknown sample

Requisition	2
Experimentation	3
Result	2
Conclusion	2
3. Viva – Voice	4
4. Laboratory Note Book	3
