



ANDHRA KESARI UNIVERSITY-ONGOLE, PRAKASAM DISTRICT
Minor Programme from the Year 2025-26 Onwards
Programme: Biotechnology-Minor
Model Question Paper for Semesters (II, III,IV,V & VI)

Titles: ALL II, III, IV,V & VI Semesters and papers

Time: 3 Hours

Total Marks: 70

PART –A

Answer any Five of the following

Note: Draw labelled diagrams wherever necessary and each unit must carry two questions

5X4=20 Marks

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10

PART –B

Answer any Five of the following

Note: Draw labelled diagrams wherever necessary

5X10=50 Marks

Each unit must carry two questions

- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.

Dr M. Guva Sekhal
10/09/25
BOS - Chairman
Zoology Board
Andhra Kesari University
Ongole

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ANDHRA KESARI UNIVERSITY-ONGOLE, PRAKASAM DISTRICT

Minor Programme from the Year 2025-26 Onwards

Programme-Biotechnology Minor

Course – Titles of practical papers (for all II,III,IV,V& VI semesters & papers)

Time: 3 Hours

Total Marks: 50

1. Preparation of temporary slides of mitotic divisions with onion root tips. Write aim, apparatus, detailed procedure and discuss on results. (Aim-2 marks + apparatus-2 marks + Detailed procedure-3 marks + Labelled diagrams-2 marks + Results-3 marks.)

12 marks

2. Identify, draw diagram and write notes on given Photographs/ /Problem solving in genetics/Human karyotyping analysis/ Simple Mendelian traits in humans and pedigree analysis

7X 4=28 Marks

(Identification 1 mark + Diagram 1 mark + + Notes 2 mark)

A.

B.

C.

D.

E.

F.

G.

3Record

5Marks

4Viva/Voce

5 Marks

Total: 50 Marks

Dr M. Gunakhal
10/09/25
BOS - Chairman
Zoology Board
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