

[Time: 2 Hours]

[Marks:50]

Please check whether you have got the right question paper.

- N.B:
1. All questions are **compulsory**.
 2. All questions carry **equal** marks.

Q.1 Answer any one of the following : **10M**

- A Explain how different enzymes of C4 cycle are regulated.
B Describe ATP synthesis in chloroplasts.

Q.2 Answer any one of the following : **10M**

- A Explain tertiary structure of proteins in detail.
B Discuss the role of chaperons in protein folding.

Q.3 Answer any one of the following : **10M**

- A What are cyclosomes? Explain.
B Describe in brief different types of cyclins.

Q.4 Answer any one of the following : **10M**

- A Explain the structure of centromere.
B Explain role of molecular motors involved in movement of chromosomes to equatorial plate.

Q.5 Write short notes on any two of the following : **10M**

- A RUBISCO
B Primary structure of proteins
C Phragmoplast
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