

Part - 1 : CC-13

F.M-10

Answer any five of the following → 2×5=10

- 1) What do you mean by extrachromosomal inheritance?
- 2) What is nucleosome?
- 3) What is central dogma?
- 4) What is Okazaki fragments?
- 5) What is multiple allele?
- 6) What is epistasis?
- 7) What is point mutation?

Part - 2 : CC-14

Answer any five of the following → 2×5=10

- 1) What is explant?
- 2) What is somatic embryo genesis?
- 3) What is Ti-plasmid?
- 4) What do you mean by restriction enzyme?
- 5) Mention two advantages of PCR.
- 6) Draw the structure of pBR322?
- 7) What is totipotency?

### Part 3 : DSE-03

Answer any five of the following → 2x5=10

- 1) Define sustainable utilization?
- 2) What is cover crop?
- 3) What is Bioprospecting?
- 4) Write two causes of forest depletion?
- 5) Differentiate between Renewable and Non-renewable sources of energy?
- 6) Define GIS?
- 7) What is resource accounting?

### Part 4 : DSE-04

Answer the following questions →

2x5=10

- 1) What do you mean by "et.al"?
- 2) How do you cite your references in project work?
- 3) 

<u>Disease name</u>	<u>scientific name</u>	<u>Family</u>
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a) Hypertension

b) Asthma

c) Dysentery

Which plants are used to cure above mentioned disease? Write their scientific name and family