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See See

2022/TDC/ODD/SEM/ BOTHCC-303T/140

2. Answer any one of the following questions: TDC (CBCS) Odd Semester Exam., 2022 Define quistosia, Explain d'ambanat

epistasis will a suitable prose-BOTANY

(b) Explain the principles of inheritance. (Honours)

(3rd Semester)

3. Answer any two of the following questions: Course No.: BOTHCC-303T

What are plasmagenes?

Full Marks: 50

Time: 3 hours

The figures in the margin indicate full marks for the questions Write a nets on variegation in four

Unit_I make whole o

1. Answer any two of the following questions:

 $2 \times 2 = 4$

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- o saswolfolisch fordan What do you mean by multiple alleles? (a) Give examples. ful Define sex-linkage.
 - Give two examples of codominance.
 - Define autosomes and sex chromosomes. (c)

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(Turn Over)

Legal Tochoon / Sew/ EOTHCC-203T/140 2. Answer any one of the following questions: Answer any one of the following questions: Define epistasis. Explain dominant (a) Give an account on the cytological basis epistasis with a suitable cross. Explain the principles of inheritance. (BuronoH) (b) Write short notes on the following : 3+3=6 Unit—II (i) Interference Answer any two of the following questions: Coincidence no Boy ob Line Define extrachromosomal inheritance. UNIT-IV was a series of the se What are plasmagenes? 7. Answer any two of the following questions: Define Kappa particles. $2 \times 2 = 4$ 4. Answer any one of the following questions: Define monosomics with examples. (a) Write a note on shell coiling in snail Define mutations. Write its types. with necessary diagrams. Write a note on variegation in four-Give two examples of trisomics. o'clock plant. MINISTER SHOW UNIT - III BOOK YOU TO WEEK 8. Answer any one of the following questions: Answer any two of the following questions: Define mutagens. Write a note on chemical mutagens. 1+5=6 (a) Define sex-linkage. Explain CLB method of detection of (b) What do you mean by crossing-over?

(Continued)

(c) Define three-factor cross.

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mutations.

(Turn Over)

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9. Answer any two of the following questions:

2×2=4

- (a) a Define genotype frequencies.
 - (b) Write briefly about speciation.
 - (c) What do you mean by genetic drift?
 - 10. Answer any one of the following questions: 6
- (a) Explain Hardy-Weinberg law with suitable examples.
 - (b) Write short notes on the following: 3+3=6
 - (i) Allele frequencies
 - (ii) Genetic variation

Olve two examples of trisomics.

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Chathail syntagans.

Explain CLB mother of determine of

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