

2. Calculate the Segregation ratio of the sample 'B' and determine the 'Goodness of fit' from the specimen supplied. 8

[Calculation—6 ; Conclusion—2]

3. Perform two physiological experiments as indicated (3a, 3b) in the card to be drawn from a lot. Write in brief the experimental procedures, results and inferences.

15+5

[(For 3a : Requisition—2 ; Set up—2 ; Procedure—5 ; Result—4 ; Inference—2)

(For 3b : Requisition—1 ; Set up—1 ; Procedure—1 ; Result & Comments—2)]

4. Perform the qualitative/quantitative (Sample 'C') test(s) as indicated in the card drawn from a lot. 10

[Requisition—2 ; Procedure & Result—6 ; Inference—2]

5. Perform the plant ecology experiment as indicated in the card. Write down requisition / brief experimental procedure / results and inference of the experiment. 15

[Requisition—4 ; Experimental Procedure—5 ; Results & Inferences—6]

6. Demonstrate the plant breeding experiment as mentioned in the card to be drawn from a lot. Write the experimental procedure in brief. 3+3

[Demonstration—3 ; Procedure—3]

7. Identify the slides D, E and F with necessary comments. 2×3

[Identification—1 ; Comments—1]

8. Laboratory Note Book. 8

9. Viva-Voce. 12

[Instruction to the Students]

- (i) Requisitions for Q. No. 3 (a & b), Q. No. 4 and Q. No. 5 must be written in separate sheets and duly endorsed by an examiner/invigilator.
- (ii) Requisition sheet for Q. No. 3 (a & b) and Q. No. 5 must be submitted within 20 minutes of commencement of examination.

- (iii) Names of the experiments as indicated in card drawn from lots for Q. No. 3 (a & b), Q. No. 4, Q. No. 5 and Q. No. 6 as well as lot no. of Sample B (Q. No. 2) must be written on the first page of the main answer-script and endorsed by an examiner/invigilator.
- (v) All observations and experimental set up must be endorsed by an examiner/invigilator.
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