

BOTANY-2021
(Major Practical)

Paper: 5.5

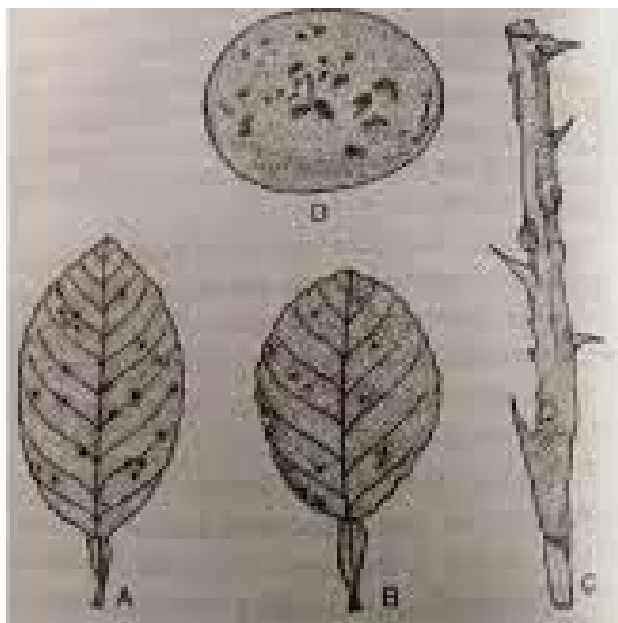
Full Marks-75

Pass Marks-30

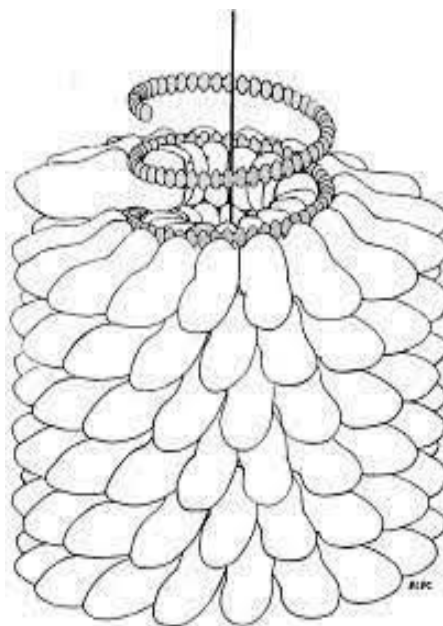
Time- 2 hours

The figures in the margin indicate full marks for the questions.

1. What are the compositions of Gram stains? Write the procedure for staining of bacteria using Gram stain.
3+5=8
2. What are different compositions of PDA media? Write the procedure for preparation of this media. 3+5=8
3. Write the Koch's postulates about diseases. Write the technique for isolation of a plant pathogen from diseased plant samples.
4+4=8
4. Write any one of the following plant diseased sample about -
2+2+2=6
 - i. Name of the pathogen
 - ii. Draw diagram through diseased plant parts
 - iii. Classification of the pathogen up to genus.Sample A: Late blight of Potato
Sample B: Rust of wheat
Sample C: Leaf spot disease of cabbage.
5. Comment and identify the following specimen: 4X3=12



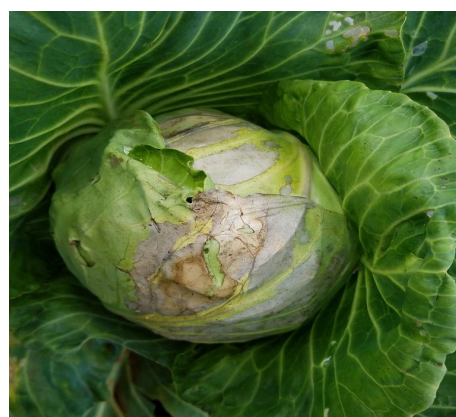
Specimen: A



Specimen :B



Specimen :C



Specimen :D

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| 6. Practical records and field notes on diseases | 10 |
| 7. Viva voce | 8 |
| 8. Internal assessment. | 15 |

Note: Submit the softcopy of answer script in PDF file to botanypractical7@gmail.com within one hour.