Practical Exam - B. Sc - 3rd Yr. M.M. - 50.

Q.1. Isolation of DNA from onion by Centrifuge method. [15]

Or.

Isolation of Rhizosphere microbes economics important.

Q.2. Isolation of keratophilous fungi groups on nails and hairs. [10]

Or.

Microscopic observation of fungi species through lactophenol cotton blue staining method.

Q.3. Spotting Any Five - 1. Microscope, 2. Incubator, 3. Hot Air Oven, 4. Centrifuge, 5. Autoclave, 6. Colorimeter, 7. Colony Counter, 8. pH meter, 9. Lactophenol cotton blue, 10. Fungal Culture. [10]

Q.4. Viva-voce - [05]

Q.5. Sessional - [10]

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Practical Exam:- B.Sc - Part-I M.M-50

Q.1. Exercise on spectrometer. [10]

OR

Exercise on pH meter.

Q.2 To separate amino acid using paper chromatography. [10].

OR

To determine thin layer chromatography using Carbohydrate sample.

Q.3. To determine the antibiotic resistance or sensitivity of bacteria. [05]

Q.4. Spotting (1-5)- 1. Bright field Microscope, 2. Dark field Microscope, 3. Autoclave, 4. Hot Air Oven, 5. Incubator, 6. Calorimeter, 7. Colony Counter, 8. pH meter, 9. Bacterial Culture, 10. Centrifuge. [10]

Q.5 Viva-voce - [05].

Q.6. Additional - [10]

Practical Exam:- B.Sc.-1st. M.M-50

Q1. Preparation of Solid / Liquid Culture media. [10]

Or

Isolation of bacterial by streak plate, pour plate and spread plate method.

Q.2. Assaying of qualitative test for Carbohydrate. [10]

Or

Assaying of qualitative test for amino acid and Protein.

Q.3. Differential gram staining method. [05]

Any 5:- [10]

Q4. Spotting:- 1. Compound Microscope, 2. Autoclave, 3. Hot air oven, 4. Incubator. 5. Colony counter, 6. pH meter, 7. Solid media, 8 Mixed Culture, 9. Colorimeter, 10. Pure culture.

Q.5. Viva - [05]

Q.6. Sessional - [10]

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