

B.Sc. Semester - 5 (Remedial) (CBCS) Examination
March/April-2023 (NEW COURSE)
Instrumentation, Forest and Forestry(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Q-1(A) Answer the following objective type questions (04)

- 1) Autoclave is used for _____
- 2) Which instrument is used to separate particles?
- 3) Give full form of HEPA.
- 4) Who invented Autoclave?

Q-1(B) Answer in brief (Any one out of two) (03)

- 1) Write the design and function of Incubator.
- 2) Write about principle and function of Oven.

Q-1(C) Write a Note (Any one out of two) (07)

- 1) Write principle and application of Laminar flow Hood.
- 2) Write principle, design and application of Autoclave.

Q-2(A) Answer the following objective type questions (04)

- 1) The technology of combining agriculture with forestry is the concept of _____
- 2) Define Forest.
- 3) What is afforestation?
- 4) If new plants are planted in an existing forest after destroying the tree is called _____.

Q-2(B) Answer in brief (Any one out of two) (03)

- 1) Forest management
- 2) Endemism.

Q-2(C) Write a Note (Any one out of two) (07)

- 1) Explain Afforestation.
- 2) Explain Silviculture.

Q-3(A) Answer the following objective type questions (04)

- 1) What is Microtomy?
- 2) Which chemical is used for preservation of Bryophytes in Glass Bottle?
- 3) Give full form of DPX.
- 4) Who designed first Microtome.

Q-3(B) Answer in brief (Any one out of two) (03)

- 1) Write note on: Staining
- 2) Write note on: Smear Method

Q-3(C) Write a Note (Any one out of two) (07)

- 1) Preservation techniques for Angiosperms.
- 2) Explain different types of Microtome.

Q-4(A) Answer the following objective type questions (04)

- 1) Give scientific name of Ginger.
- 2) True or False: Clove are obtained from seeds.
- 3) Which medicinal plant fresh roots are used as excellent brain tonic?
- 4) Give family name of *Tinospora cordifolia*.

Q-4(B) Answer in brief (Any one out of two) (03)

- 1) Describe medicinal value of Harde.
- 2) Write brief account of spices: Clove.

Q-4(C) Write a Note (Any one out of two) (07)

- 1) Write brief introduction, constituents and uses of *Aegle marmelos*.
- 2) Give general account and uses of Cinnamon.

Q-5(A) Answer the following objective type questions (04)

- 1) Kitchen garden synonyms is _____.
- 2) Give 2 examples of Bonsai Plant
- 3) What is indoor Gardening?
- 4) What is dish garden?

Q-5(B) Answer in brief (Any one out of two) (03)

- 1) List the important grasses being grown in Lawns.
- 2) Describe: Formal Garden.

Q-5(C) Write a Note (Any one out of two) (07)

- 1) Note on Indoor Gardening.
- 2) Give a detailed account of bonsai culture.
