

B.Sc. Semester - 5 (Remedial) (CBCS) Examination
March/April-2026 (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.

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- Que.1(A) Answer the following objective type questions (04)
- 1) What is sterilization?
 - 2) Autoclave is used for _____
 - 3) Give full form of HEPA.
 - 4) Is Incubator use for grow microbial culture? Yes or No.
- Que.1(B) Answer in brief (Any one out of two) (03)
- 1) Write the working principle of Hot Air Oven.
 - 2) Write the design and function of Incubator.
- Que.1(C) Write a Note (Any one out of two) (07)
- 1) Write about principle and application of Centrifuge.
 - 2) Write principle, design and application of Autoclave.
- Que.2(A) Answer the following objective type questions (04)
- 1) What is Silviculture?
 - 2) What is Endemism?
 - 3) Define afforestation?
 - 4) Forest is managed for which purposes?
- Que.2(B) Answer in brief (Any one out of two) (03)
- 1) Forest management
 - 2) Importance of Forest
- Que.2(C) Write a Note (Any one out of two) (07)
- 1) Explain Deforestation.
 - 2) Explain Afforestation.
- Que.3(A) Answer the following objective type questions (04)
- 1) Which chemical is used for preservation of Bryophytes in Glass Bottle?
 - 2) Give full form of DPX.
 - 3) Why glycerine used for temporary slide making?
 - 4) Give name of two types of ordinary Microtome.
- Que.3(B) Answer in brief (Any one out of two) (03)
- 1) Write note on: Smear Method
 - 2) Write note on: Staining
- Que.3(C) Write a Note (Any one out of two) (07)
- 1) Describe- Squashes method
 - 2) Explain different types of Microtome.
- Que.4(A) Answer the following objective type questions (04)
- 1) Which plants used in Trifala?
 - 2) True or False: Clove are obtained from seeds.
 - 3) Which medicinal plant fresh roots are used as excellent brain tonic?
 - 4) Give Scientific name and family of Bili Plant.

- Que.4(B) Answer in brief (Any one out of two) (03)
- 1) Write note on medicinal value of Giloy.
 - 2) Describe medicinal value of Harde.
- Que.4(C) Write a Note (Any one out of two) (07)
- 1) Write brief introduction, constituents and uses of *Tribulus terrestris*.
 - 2) Write brief introduction, constituents and uses of *Aegle marmelos*.
- Que.5(A) Answer the following objective type questions (04)
- 1) What is quickest method of lawn making?
 - 2) Examples for formal garden?
 - 3) What is indoor Gardening?
 - 4) What is dish garden?
- Que.5(B) Answer in brief (Any one out of two) (03)
- 1) Write short note on Lawn.
 - 2) Describe: Formal Garden.
- Que.5(C) Write a Note (Any one out of two) (07)
- 1) How to create a Kitchen Garden?
 - 2) Give a detailed account of bonsai culture.
