

B.Sc. Semester - 5 (Remedial) (CBCS) Examination**March/April-2022 (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) Is Incubator use for grow microbial culture? Yes or No.
 - 3) What is the function of HEPA filter in Laminar air flow?
 - 4) What is filled between two walls of Incubator?
- Que-1(B) **Answer in brief (Any one out of two)** 03
- 1) Write the design and function of Incubator.
 - 2) Describe parts of Autoclave.
- Que-1(C) **Write a Note (Any one out of two)** 07
- 1) Write about principle and application of Laminar air flow.
 - 2) Write about principle, design and function of Oven.
- Que-2(A) **Answer the following objective type questions** 04
- 1) Forest is managed for _____ purposes.
 - 2) What is Endemism?
 - 3) What is deforestation?
 - 4) If new plants are planted in an existing forest after destroying the trees is called _____
- Que-2(B) **Answer in brief (Any one out of two)** 03
- 1) Silviculture
 - 2) Agroforestry
- Que-2(C) **Write a Note (Any one out of two)** 07
- 1) Explain Aforestation.
 - 2) Explain Forest management.
- Que-3(A) **Answer the following objective type questions** 04
- 1) What is Microtomy?
 - 2) What is the perfect size of Herbarium sheet?
 - 3) Who introducing the method of embedding in micro techniques?
 - 4) Why glycerine used for temporary slide making?
- Que-3(B) **Answer in brief (Any one out of two)** 03
- 1) Describe: Whole mounting
 - 2) Write note on: Staining
- Que-3(C) **Write a Note (Any one out of two)** 07
- 1) Explain: Microtomy
 - 2) Describe: Squashes method.
- Que-4(A) **Answer the following objective type questions** 04
- 1) Which medicinal plant fresh roots are used as excellent brain? and nerve tonic?
 - 2) Give scientific name and family of Baheda plant.
 - 3) Which plants used in Trifala?
 - 4) Clove is which part of plant body?
- Que-4(B) **Answer in brief (Any one out of two)** 03
- 1) Write note on *Cinnamon*.
 - 2) Write medicinal value of *Terminalia chebula*.

Que-4(C)	Write a Note (Any one out of two)	07
	1) Give the general account and uses of Ginger.	
	2) Describe: Conservation methods for Medicinal plants.	
Que-5(A)	Answer the following objective type questions	04
	1) What is lawn?	
	2) Kitchen garden synonyms is _____	
	3) Give examples for formal garden.	
	4) What is Bonsai?	
Que-5(B)	Answer in brief (Any one out of two)	03
	1) Write short note on Dish Garden.	
	2) Describe: Formal Garden.	
Que-5(C)	Write a Note (Any one out of two)	07
	1) Give a detailed account of Bonsai Culture.	
	2) Note on Indoor Gardening.	
