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647510

BSc5BotC503x

Seat No : \_\_\_\_\_

## B.Sc. Semester - 5 (CBCS) Examination

December -2020 (NEW COURSE)

## Instrumentation, Forest and Forestry (Core)

Time: 1:30 Hours

Marks: 42

## Instructions:

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

## Q.1 Answer the following questions as per instruction.

## (A) Answer in very short.

04

- (1) What is filled between two walls of incubator?
- (2) Which instrument is used to separate particles?
- (3) Autoclave is used for \_\_\_\_\_.
- (4) What is sterilization?

## (B) Answer in brief (Any One)

03

- (1) Write the design and application of Laminar flow.
- (2) Write the design and function of Incubator.

## (C) Answer in detail (Any One)

07

- (1) Write about principle, design and function of Oven.
- (2) Write about principle, design and applications of Autoclave.

## Q.2 Answer the following questions as per instruction.

## (A) Answer in very short.

04

## ❖ Fill in the blanks.

- (1) If new plants are planted in an existing forest after destroying the trees is called \_\_\_\_\_.
- (2) The technology of combining agriculture with forestry is the concept of \_\_\_\_\_.
- (3) Forest is managed for \_\_\_\_\_ purposes.
- (4) What is Deforestation?

## (B) Answer in brief (Any One)

03

- (1) Agroforestry
- (2) Importance of forests.

## (C) Answer in detail (Any One)

07

- (1) Explain: Forest management.
- (2) Explain: Afforestation.

## Q.3 Answer the following questions as per instruction.

## (A) Answer in very short.

04

- (1) Name the microtome in which glass or diamond knife is used for sectioning?
- (2) Who introducing the method of embedding in microtechniques?
- (3) What is microtomy?
- (4) Give the name of the two types of ordinary microtome.

## (B) Answer in brief (Any One)

03

- (1) Describe: Freezing microtome.
- (2) Write note on: Staining.

## (C) Answer in detail (Any One)

07

- (1) Explain: Microtomy
- (2) Techniques for preservation of Angiosperms.

**Q.4 Answer the following questions as per instruction.**

**(A) Answer in very short.**

- (1) In india earliest reference to the medicinal value of plants appears in \_\_\_\_\_.
- (2) Give the name of family *Terminalia bellirica*.
- (3) True and False: Clove are obtained from seeds.
- (4) Which medicinal plants fresh roots are used as excellent brain and nerve tonic?

**(B) Answer in brief(Any One)**

- (1) Write notes on the medicinal value of Bael.
- (2) Write brief account of spices: Cinnamon.

**(C) Answer in detail(Any One)**

- (1) Give the brief introduction, constituents and uses of *Tinospora cordifolia*.
- (2) Give the general account and uses of Ginger.

**Q.5 Answer the following questions as per instruction.**

**(A) Answer in very short.**

- (1) Kitchen garden synonymes is \_\_\_\_\_.
- (2) Give examples for formal garden.
- (3) Define: Indoor gardening.
- (4) What is lawn?

**(B) Answer in brief(Any One)**

- (1) Write short notes on: Dish garden.
- (2) List the important grasses being grown in lawns.

**(C) Answer in detail(Any One)**

- (1) How to create a garden design?
- (2) What is Bonsai? Give a detailed account of bonsai culture.

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