

**DR. KANAILAL BHATTACHARYYA COLLEGE**

**SEMESTER – II (UNDER CBCS)**

**INTERNAL ASSESSMENT – 2020**

**BOTANY – HONOURS**

**PAPER - CC3**

**F.M – 25**

**Time:2 Hrs**

**(I). Answer the following question in brief**

**10X2**

- (a) Write down two chemical components of plant cell wall
- (b) What is plasmodesmata?
- (c) Define anomalous secondary growth with example
- (d) Mention few anatomical adaptive features in xerophytes
- (e) Distinguish between monocot and dicot root.
- (f) What is protosteles give an example with diagram?
- (g) Define cell wall.
- (h) What are mechanical tissues? Give an example
- (i) Distinguish between apoplast and symplast.
- (j) Draw a diagram of actinostele. Give an example.

**(II). Answer the following in few words**

**5X1**

- (a) Distinguish between leaf trace and leaf gap
- (b) Draw an Anisocytic stomata
- (c) Distinguish between tracheids and vessel
- (d) What is tylosis?
- (e) What is callus pad?

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**B.Sc. Semester II (Honours) Examination 2020**

**(Under CBCS system)**

**Botany Honours (Theory)**

**Paper: CC 4**

**(BOT-A-CC-2-4-TH)**

**Full marks- 25**

1. Answer the following in brief: 1×5
- a. Define peat.
  - b. Name two Gymnosperm used as drug.
  - c. What is Canada balsam?
  - d. Define mixed sorus.
  - e. Name two Indian species of *Marchantia*.
2. Answer the following in brief: 2×10
- a. Write economic importance of gymnosperm with reference to wood.
  - b. Define carinal canal.
  - c. Write differences between homosporous and heterosporous.
  - d. Write the angiospermic characters of *Gnetum*.
  - e. Define coralloid roots.
  - f. What is Gemma?
  - g. What do you mean by eusporangiate type of sporangial development?
  - h. Write the characteristic features of Bryopsida.
  - i. Why is *Azolla* used as biofertiliser?
  - j. Why is *Equisetum* known as 'gold indicator'?