

**B.sc. SEM III  
BOT-A  
CC 5 (Paleobotany and Palynology)  
Internal Examination  
2020**

**Time: 30 min**

**FM 10**

Answer any ten questions:

1X10

- i) What is microfossil?
- ii) What is megafossil?
- iii) What is index fossil?
- iv) What is fossil dating?
- v) Name one species of *Rhinia*?
- vi) Mention one difference between spore and pollen.
- vii) What is coal ball?
- viii) What is sporopollenin?
- ix) Give an example of lower Gondwana flora.
- x) Give an example of living fossil.
- xi) What is form genus?
- xii) Who reconstructed *Williamsonia*?

**B.sc. SEM III**  
**BOT-A**  
**CC 6 (Reproductive Biology of Angiosperm)**  
**Internal Examination**  
**2020**

**Time: 30 min**

**FM 10**

Answer any ten questions:

1X10

- i) Write a difference between cymose and racemose inflorescence.
- ii) What is jaculator?
- iii) What is pappus?
- iv) Draw imbricate aestivation.
- v) What is double fertilization?
- vi) Define megasporogenesis.
- vii) What is apospory?
- viii) What is polyembryony?
- ix) Define microsporogenesis.
- x) Give an example of free central placentation.
- xi) Give an example of berry.
- xii) What is drup?

**B.sc. SEM III**  
**BOT-A**  
**CC 7 (Plant Systematics)**  
**Internal Examination**  
**2020**

**Time: 30 min**

**FM 10**

Answer any ten questions:

1X10

- i) What is systematic?
- ii) What is Author Citation?
- iii) What is tautonym?
- iv) Name the largest herbarium in India?
- v) What is type genus?
- vi) Write a merit of Takhtajan system of classification?
- vii) What is cladogram?
- viii) Name one economic important plant of palmae.
- ix) What is indented key?
- x) Cite one advance character of Orchidaceae.
- xi) Give the full form of APG.
- xii) What is alpha taxonomy?

**B.sc. SEM III  
BOT-A  
SEC A (Biofertilizers)  
Internal Examination  
2020**

**Time: 30 min**

**FM 10**

Answer any ten questions:

1X10

- i) What is biofertilizers?
- ii) Give an example of major type of biofertilizer.
- iii) What is PGPR?
- iv) Write one advantage of using biofertilizer?
- v) Name of Indian species of *Rhizobium*.
- vi) Give an example of Phosphate solubilizing bacteria.
- vii) What is compost?
- viii) Name of Indian species of *Azotobacter*.
- ix) Name of Indian species of *Anabaena*.
- x) Write the full form of VAM?
- xi) What is organic farming?
- xii) Give an example of endomycorrhiza.