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**SUBJECT CODE NO:- B-2063**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**B.Sc. S.Y. (Sem-IV)**  
**Examination November/December- 2022**  
**Botany Paper- XI**  
**Gymnosperms and Utilization of Plants**

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

- N.B
- i) Attempt all questions.
  - ii) Illustrate your answer with suitable labeled diagram.
- Q. 1 Describe reproductive organ in pins. 20
- OR
- Describe in detail contribution of prof. birbal sahani and give anatomical characters of Lyginopteris. 20
- Q. 2 Give an account of cultivation, harvesting and economic importance of ground nut. 20
- OR
- Write short notes on any four of the following. 20
- a) T.S of Pinus needle
  - b) Impression
  - c) T.S. of rachis
  - d) Clove
  - e) Economic important of sisham
  - f) Aloe vera
- Q. 3 Multiple choice questions 10
1. Endosperm in gymnosperm is \_\_\_\_\_
    - a) Triploid
    - b) Diploid
    - c) Haploid
    - d) None of these
  2. Cycas revoluta popularly known as \_\_\_\_\_
    - a) Date palm
    - b) Sago palm
    - c) Sea palm
    - d) Royal palm

3. In Pinus seed is originated in \_\_\_\_\_
- a) Capsule                      b) Microsporophyll      c) Microsporangia      d) Megasporephyll
4. In Cycas the microsporangia are borne on \_\_\_\_\_ site of microsporophyll's.
- a) Adaxial                      b) Abaxial                      c) Lateral                      d) Terminal
5. \_\_\_\_\_ type of vascular bundle found in gymnosperms.
- a) Collateral                      b) Stele                      c) Conjoint                      d) Exarch
6. The seeds of cotton is called-\_\_\_\_\_.
- a) Binola                      b) Silver                      c) Ginny                      d) Bolus
7. Botanical name of shisham is \_\_\_\_\_.
- a) Techtona grandis      b) Dalbergia sizsoo      c) Aegle marmelos      d) Santalum album
8. Coriander belongs to \_\_\_\_\_ family.
- a) Mimosaceae                      b) Asteraceae                      c) Apiaceae                      d) Lamiaceae
9. Azadirachtin is present in \_\_\_\_\_
- a) Jambul                      b) Teak                      c) Neem                      d) Guava
10. Which part of jute plant is used to obtain jute fibre.
- a) Fruit                      b) Seed                      c) Stem                      d) Flower.