

**QP CODE:203326**

**Reg.No: .....**

Second Year Pharm D Degree Examinations - July 2015

**Pharmacognosy & Phytopharmaceuticals**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain different methods of cultivation of crude drugs with its merits and demerits.
2. Draw a neat labelled diagram of plant cell and explain in detail about the various cell constituents
3. Define alginates. Explain in detail the preparation of alginates from suitable source. Mention its chemical constituents, chemical tests and uses.

**Short notes**

**(8x5=40)**

4. Detection of adulterants in honey and olive oil.
5. Pyrethrum
6. Principles involved in the determination of saponification value and iodine value of fixed oils.
7. Distinguish agar and acacia pharmacognostically.
8. Alphabetical classification of crude drugs
9. Silk
10. Methods of preparation of volatile oils.
11. Methods of detection of protein.

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