

**Second Year Pharm D Degree Examinations June 2019**

**Pharmacognosy & Phytopharmaceuticals**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Define carbohydrates. Explain the sources, production, nature, chemical constituents, uses and chemical tests for Agar.
2. Explain in detail about plant fibres used in surgical dressings with their pharmacognostical nature.
3. Mention the different types of classification of crude drugs. Describe in detail about chemical classification with suitable examples.

**Short notes**

**(8x5=40)**

4. Explain in detail about vegetative cultivation
5. Draw and explain the microscopical characters of Fennel
6. Write the pharmacognostical nature of Sterculia and Pectin
7. Define Adulteration. Discuss the different methods of adulteration of crude drugs
8. Write the production, description, chemistry and uses of shark liver oil
9. Write the sources, description ,chemical constituents and uses of gelatin

10. Powder microscopy of Senna

11. Write the various chemical tests involved in the identification of gelatin

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