



**DAN-M202103**

Seat No. \_\_\_\_\_

**Second Year D. Pharm Examination**

**April - 2022**

**Pharmacognosy and Phytopharmaceuticals**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Answer the following questions.  
(2) Figure to the right indicate marks  
(3) Draw neat & clean diagrams as required.

**1** Answer the following questions : **10×2=20**

- (1) Define alkaloids. Give its general tests.
- (2) Draw well labelled diagram of T.S of cinnamon bark.
- (3) Explain the term acid value and iodine value.
- (4) Give two examples of natural pesticides.
- (5) Give the method of preparation of absorbent cotton.
- (6) Define protein. Give two identification tests of it.
- (7) Explain the term substitution and sophistication with examples.
- (8) Write B.S and uses of acacia and tragacanth.
- (9) Draw well labelled diagram of different types of stomata.
- (10) Differentiate organized and unorganized drugs.

**2** Answer any **two** out of the following : **2×10=20**

- (1) Differentiate sexual and asexual method of cultivation. Discuss in detail about factors affecting plant cultivation and collection.
- (2) Discuss in detail about common layers observed in microscopy of fruits. Write in depth about microscopical difference between coriander and fennel.
- (3) Write pharmacognostic note on Castor oil and hyndocarpus oil.

**3** Answer any **six** out of the following : **5×6=30**

- (1) Discuss in brief about scope of pharmacognosy
  - (2) Define pest. Discuss in detail about methods of pest management.
  - (3) Enlist different cell wall constituents. Write in detail about any one.
  - (4) Define Carbohydrates. Classify it with suitable examples. Give general test of it.
  - (5) Explain in detail about alphabetical and chemical classification of crude drugs.
  - (6) Write a note on starch.
  - (7) Write short note on processing and storage of crude drugs.
  - (8) Define and classify fibers. Write a detailed Pharmacognostic note on Hemp.
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