

SUBJECT: PHARMACOGNOSY - I

Day: Saturday
Date: 24/11/2018

W-2018-4083

Time: 02.00 PM TO 05.00 PM
Max. Marks: 60

N.B:

- 1) **Q. No.1 and Q. No. 5 are COMPULSORY.** Solve **ANY TWO** questions from each section.
- 2) Both sections should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION - I

- Q.1** Solve **ANY FIVE** of the following: [10]
- a) Write main principle of Ayurvedic system of medicine.
 - b) What is morphological classification?
 - c) Write in brief scope of pharmacognosy.
 - d) Which are different types of soil?
 - e) What are Auxins? Name any two naturally occurring auxins.
 - f) What is Asawa? write two examples.
 - g) Define plant growth regulator.
- Q.2** Write in detail processing of crude drug along with suitable examples.. [10]
- Q.3** a) Which are different factors affecting cultivation of medicinal plants. [07]
- b) Write taxonomical classification with suitable examples. [03]
- Q.4** Write short notes on **ANY TWO** of the following: [10]
- a) Shikkinic acid pathway
 - b) Acetate pathway
 - c) Malvalonic acid pathway
 - d) Role of secondary metabolites in plants

SECTION - II

- Q.5** Solve **ANY FIVE** of the following: [10]
- a) Write biological source of Okra mucilage.
 - b) Write chemical constituents of Isapgol.
 - c) Which are different uses of Tragacanth?
 - d) What are polysaccharides? Give any two examples.
 - e) Which are different identification test for Agar?
 - f) Define the term carbohydrates. Name any two examples of simple sugars.
 - g) What is use of PUFA?
- Q.6** What are lipids? Write occurrence, properties, classification, biosynthesis, chemistry and different uses of lipids. [10]
- Q.7** a) Write in detail pharmacognostic scheme for study of crude drug. [07]
- b) Write in brief pharmacognostic account of Neem oil. [03]
- Q.8** Write short notes on **ANY TWO** of the following: [10]
- a) Caster oil
 - b) Wool fat
 - c) Starch
 - d) Cyclodextrin