

T.Y.B.PHARM. SEMESTER-V (2011 COURSE) : SUMMER - 2018
SUBJECT : PHARMACOGNOSY-I

Day : **Monday**
Date : **07/05/2018**

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 80.

S-2018-3969

N.B.:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of remaining attempt any **TWO** questions from Section-I and any **TWO** questions from Section-II
- 2) Section-I and Section-II should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Attempt any **FIVE** of the following: **(10)**
- a) Write any four drugs obtained from mineral source.
 - b) What is stomatal index?
 - c) What is organoleptic drug evaluation?
 - d) Which is best time for collection of bark?
 - e) What is taxonomic classification?
 - f) Which are different naturally occurring auxins?
 - g) What is adulteration?
- Q.2** a) What is therapeutic classification of crude drug? Explain in detail. **(08)**
b) Write in detail storage of crude drug. **(07)**
- Q.3** a) Write different steps involved in collection of crude drug. **(08)**
b) What are plant growth stimulants? Explain. **(07)**
- Q.4** Write short notes on any **THREE** of the following: **(15)**
- a) Ethylene oxide
 - b) Scope of pharmacognosy
 - c) Abscisic acid
 - d) History of pharmacognosy

SECTION-II

- Q.5** Attempt any **FIVE** of the following: **(10)**
- a) What is effect of aromatherapy on body?
 - b) Which are different compounds/ isotopes used in tracer study?
 - c) Write any four drugs used in TCM.
 - d) Write difference between Shark liver oil and Cod liver oil.
 - e) What is principle of Homoeopathy?
 - f) What is 'tridosh' theory?
 - g) Which are different secondary metabolites? Give four examples.
- Q.6** a) What are lipids? Give biosynthesis, chemistry, classification, of chemical tests. **(08)**
b) Write in detail Shikkinic acid pathway in plant biosynthesis. **(07)**
- Q.7** a) What are tracer techniques? Explain role of tracer techniques in elucidation of biosynthetic pathway. **(08)**
b) Write in detail Mevalonic acid pathway. **(07)**
- Q.8** Write short notes on any **THREE** of the following: **(15)**
- a) Sun flower oil
 - b) Arachis oil
 - c) Acacia
 - d) Agar

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