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B PHARM
(SEM-V) THEORY EXAMINATION 2021-22
PHARMACOGNOSY-III

Time: 3 Hours

Total Marks: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.

2 x 7 = 14

a.	Define extraction. Enlist various methods used for extraction.
b.	Write chemical test of flavonoids.
c.	Explain biological source and uses of Black catechu.
d.	Write chemical test used to identify anthraquinone glycosides.
e.	Define plants bitters and sweeteners with example.
f.	Differentiate condensed and hydrolysable tannins.
g.	What do you mean by indigenous drugs?

SECTION B

2. Attempt any three of the following:

7 x 3 = 21

a.	Define alkaloid and classify alkaloids with suitable example. Describe the identification test of alkaloids.
b.	Write biological sources, macroscopic and microscopic features, chemical constituents, uses, and specific chemical tests of Senna.
c.	Define and classify tannins. Discuss pharmacognostic studies of Arjuna.
d.	Write biological source, chemical nature and therapeutic uses of Stevioside and Chiratin.
e.	Write common vernacular name, biological source, morphology, chemical constituents and uses of Amla or Shatavari

SECTION C

3. Attempt any one part of the following:

7 x 1 = 7

(a)	Discuss Super critical fluid extraction method in detail.
(b)	Define and classify glycosides. Describe isolation, properties and qualitative chemical test of cardiac and saponin glycosides.

4. Attempt any one part of the following:

7 x 1 = 7

(a)	Discuss biological source chemical constituents uses and chemical test of Squill.
(b)	Write notes on a) Ginseng b) Aloe.

5. Attempt any one part of the following:

7 x 1 = 7

(a)	Explain physicochemical properties and chemical test of tannins in detail with suitable example.
(b)	Write short notes on study of a) Baheda b) Pale catechu.

6. Attempt any one part of the following:

7 x 1 = 7

(a)	Write biological sources, chemical natures and uses of Thaumatin and Naringin.
(b)	Explain Rebaudioside and Neohesperidine in detail.

7. Attempt any one part of the following:

7 x 1 = 7

(a)	Write notes on a) Brahmi b) Shankpushpi.
(b)	Explain biological sources, active constituents and pharmacological uses of Saffron and Methi.