



Name :

Roll No. :

Invigilator's Signature :

**CS/B.PHARM (OLD)/SEM-4/PT-402/2010
2010**

PHARMACOGNOSY

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) Castor oil is a
- a) volatile oil b) fixed oil
- c) mineral oil d) none of these.
- ii) Which of the following is present in gall ?
- a) Alkaloid
- b) Saponin
- c) Tanic acid
- d) Vitamin B complex group.

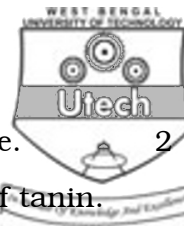
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- iii) A drop of iodine water placed on a piece of Indian Squill produces
- a) reddish-purple colour
 - b) green colour
 - c) pale yellow colour
 - d) none of these.
- iv) Myrrh belongs to which of the following category ?
- a) Acid resin
 - b) Ester resin
 - c) Resin alcohol
 - d) None of these.
- v) Arista and Asavas are
- a) liquid preparations
 - b) tablets
 - c) ointments
 - d) powders.
- vi) Amla belongs to
- a) Rotaceae
 - b) Euphorbiaceae
 - c) Umbelliferae
 - d) None of these.
- vii) The principal constituent of Caraway oil is
- a) Carvone
 - b) Camphor
 - c) Comphene
 - d) Eucalptol.
- viii) Volatile oils are secreted in special structures called
- a) Cell sap
 - b) Schizogenous glands
 - c) Trichomes
 - d) Vacuoles.
- ix) Which one of the following is used as a counter irritant ?
- a) Eucalyptus oil
 - b) Lemon grass oil
 - c) Orange peel
 - d) Peppermint oil.
- x) What is the biological name of Ginseng ?
- a) Panax japonica
 - b) Glycyrrhiza glabra
 - c) Hydrocotyle asiatica
 - d) Polygala senega.

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8. a) Define Tanin, classify tanin with example. 2 + 3
b) Write down the general characteristics of tanin. 3
c) Differentiate between pale and black catechu. 3
d) Write a short note on Myrobalan. 4
9. a) Define resins. Classify resins with examples. 2 + 3
b) Write down the general characteristics of resins. 3
c) How are resins isolated ? 2
d) Write the chemical constituents and uses of any two of the following : $2 \times 2 \frac{1}{2}$
i) Cannabis
ii) Tolu balsam
iii) Podophyllum.
10. a) Write a detailed note on the general methods for obtaining volatile oils from plants. 8
b) Draw the skeleton structure of isoprene. 1
c) Mention the biological source, macroscopy, constituents and uses of Citronella and Eucalyptus. 6
11. Write short notes, specifically mentioning their common vernacular names, biological sources, chief constituents pharmacology, common uses and marketed formulations on any *three* of the following : 3×5
a) Guggal
b) Punarnava
c) Brahmi
d) Arjuna
e) Shilajit
f) Neem.
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