



Name :
Roll No. :
Invigilator's Signature :

CS / B.PHARM (OLD) / SEM-4 / PT-402 / 2011

2011

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) Indian gooseberry is a rich source of
 - a) Vitamin A
 - b) Vitamin C
 - c) Vitamin K
 - d) Vitamin E.
- ii) Volatile oils are secreted in special structures called
 - a) cell sap
 - b) schizogenous glands
 - c) trichomes
 - d) vacuoles.
- iii) Which one of the following is an example of bufadienolide ?
 - a) Squill
 - b) Strophanthus
 - c) Theretia
 - d) Aloe.

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[Turn over



- iv) Which of the following volatile oils is obtained from animal source ?
- a) Dill oil b) Spearmint oil
- c) Cassia oil d) Musk oil.
- v) Curcumin is the active component of
- a) Turmeric b) Quassia
- c) Chirata d) Jalap.
- vi) Tolu Balsam is obtained by incision from the trunk of
- a) *Myroxylon balsamum* b) Capsicum
- c) Asafoetida d) Myrrh.
- vii) Squill is used as
- a) purgative b) oxytocic
- c) anti-inflammatory d) cardiotonic.
- viii) Active part of the strophanthus plant is
- a) leaf b) Rhizome
- c) bark d) seed.
- ix) The entire fruit of umbelliferous family is called
- a) endocarp b) mesocarp
- c) epicarp d) cremocarp.



- x) What is the use of Brahmi ?
- a) Galactagogue, Diuretic
 - b) Memory regain
 - c) Loss of appetite
 - d) Nervine disorders.
- xi) What is synonym of Dioscorea ?
- a) Devils's drug
 - b) Dinkum
 - c) Jesiut bark
 - d) Rheumatism root.
- xii) Gambier-Fluorescien test is used to detect
- a) senna
 - b) palecatechu
 - c) digitalis
 - d) rauwolfia.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. What do you mean by asava and arista ? Explain their method of preparation. 2 + 3
3. Describe the morphology of lahsun/garlic with a neat labelled diagram.
4. Write a short note on natural colours.
5. Explain Gold Beaters skin test.
6. Write a short note on 'Lemon peel'.



GROUP - C
(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. Define terpenoids and resins. What are resin combinations ? Discuss the biological source, geographical source, chemical constituents, organoleptic characters and uses of asafoetida and cannabis. $2 + 3 + 10$
8. Define tannins and mention the different types of tannins. How are tannins identified chemically ? Write in detail about the biological source, macroscopy, constituents and uses of Myrobalan. $3 + 4 + 8$
9. Draw the skeleton structure of isoprene. Define volatile oil. How volatile oil may be differentiated from fixed oil ? Mention the biological source, macroscopy, constituents and uses of Citronella and Eucalyptus. $2 + 2 + 3 + 8$
10. a) What are fibres ? 2
b) Classify them with examples. 1
c) Explain in detail the biological source, method of preparation, chemical constituents, tests, and uses of cotton. 8
d) How do you distinguish the following ? 2×2
i) Raw cotton from absorbent cotton.
ii) Cotton from silk.
11. Give the biological source, chemical constituents, pharmacology and category of any *three* of the following : 3×5
- a) Kantikari
b) Satavari
c) Tylophora
d) Amla.

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