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Assistant Librarian
Bina Chowdhury Central Library
(GIMT & GIPS)
Guwahati - 781017

Roll No. of candidate

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2019

D.Pharm. 1st Year End-Term Examination

PHARMACOGNOSY

Full Marks – 80

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer question No. 1 and any *six* from the rest.

1. (a) Choose the correct answer from the following
(any *ten*) (10 × 1 = 10)
- (i) Who coin the term "Pharmacognosy"?
- (a) Seydler
(b) Hardy
(c) Hahnemann
(d) Edward Bach
- (ii) The term "Pharmakon" refers to
- (a) A treatment
(b) Knowledge
(c) A drug
(d) Study of

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- (iii) Guard cells are covered with two subsidiary cells known as
- (a) Anisocytic stomata
 - (b) Anomocytic stomata
 - (c) Diacytic stomata
 - (d) Actinocyclic
- (iv) A sulphur containing protein isolated from wool known as
- (a) Keratin
 - (b) Alanine
 - (c) Cystine
 - (d) Casein
- (v) All the grasses are belonging to the family of
- (a) Graminae;
 - (b) Malvaceae;
 - (c) sterculiaceae
 - (d) leguminosae
- (vi) "Treat the cause of disease and not its symptoms."
- (a) Aim of Siddha system of medicine
 - (b) Aim of Unani system of medicine
 - (c) Aim of Homeopathy system of medicine
 - (d) Aim of Ayurvedic system of medicine
- (vii) Following which on is not an organized drug?
- (a) Aloe gel
 - (b) Power of senna leaf
 - (c) Clove
 - (d) Fennel

(viii) Following which drug contain glycoside as chemical constituent?

- (a) Senna
- (b) Nux vomica
- (c) Ephedra
- (d) Fennel

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(ix) Astringent refer to

- (a) Protein precipitation
- (b) Expel gases from stomach
- (c) Treat cough
- (d) Blood purifier

(x) Fox glove is the synonym of

- (a) Black pepper
- (b) Digitalis
- (c) Senna
- (d) Opium

(xi) Method of extraction of citrus oil is

- (a) Enfleurage
- (b) Ecuelle
- (c) Stas otto method
- (d) Meceration

(xii) Father of Homeopathy medicine

- (a) Samuel Hahnemann
- (b) Dioscordies
- (c) George Bethanam
- (d) Seydler

1. (b) Fill in the blanks (any 10) (10 × 1 = 10)

- (i) Piperine is the chief constituent of _____
- (ii) Biological source of Amla _____
- (iii) Example of Umbelliferous fruit _____
- (iv) A drug causing expulsion of gas from stomach is called _____
- (v) Balsamic acid consists of _____ and _____
- (vi) Vitali-morin test is for the identification of _____ alkaloid.
- (vii) Ipecacuanha is used as _____
- (viii) pH of papain _____ to show proteolytic activity.
- (ix) Name of the apparatus for volatile oil isolation _____
- (x) Water soluble part of tragacanth is known as _____
- (xi) Family of cinchona _____
- (xii) Arabin is the principal constituent of _____

2. Answer any SIX questions (6 × 5 = 30)

- (a) (i) Define organized and unorganized drugs (2)
- (ii) Differentiate between morphological and microscopical evaluation of a crude drug. (3)
- (b) Write short note on: (2.5+2.5)
- (i) Terpenoid
- (ii) Stomata
- (c) Write down the general properties of enzyme. Write down the source of papain and diastase. (3+2)
- (d) Define the terms: Laxatives, Antitussives, Diuretics, Oxytocics, Antileptotics. (5×1)
- (e) Write down the differences between volatile oil and fixed oil.
- (f) (i) Write down the isolation procedure of glycoside. (2)
- (ii) What do you mean by phytochemical screening? (1)
- (iii) Write short note on borntrager test. (2)
- (g) Write down the differences between adulterant and substitutes. Write down the significance of determination of ash value and extractives value. (2+3)
- (h) Write short note on Ayurveda-Indian System of Medicine. (5)

3. Answer any THREE questions from the following:

(3×10=30)

(a) Write biological source and morphological characters of the following crude products:

Asafoetida, Digitalis, Fennel, Sandalwood oil. (4×2.5)

(b) Enumerate the details microscopy of Senna and Nux vomica. (2×5)

(c) Write details cultivation and collection procedure of Ergot and Rauwolfia. (2×5)

(d) Write details isolation procedure of volatile oil. (10)

(e) Write short note on Pharmaceutical aid and fibres. (6+4)

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