

ASTU B.Ph - 1st Sem

9/12/13 (Reg)

Total No. of printed pages = 6

PY132108

Roll No. of candidate

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2013

(Odd Semester)

PHARMACOGNOSY - I

Full Marks-100 Pass Marks-35 Time-Three hours

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

Answer any *eight* questions taking four questions from each section. Question Nos. 1 and 6 are compulsory.

SECTION - A

1. A. Fill in the blanks : 1×7=7

- (i) _____ a German scientist, coined the term "Pharmacognosy".
- (ii) Plants propagated from seeds are known as _____.
- (iii) _____ is the principal natural auxin occurring in plants.

[Turn over

(iv) The water soluble portion of tragacanth is known as _____.

(v) Amylum is the synonym of _____.

(vi) Biological source of castor oil is _____.

(vii) Soap stone is the synonym of _____.

B. Choose the right answer :

1×7=7

(i) Water holding capacity of the soil is increased due to presence of

- (a) Humus
- (b) Azolla
- (c) Azatobacter
- (d) Nitrogen.

(ii) Examples of biofertilizer is --

- (a) Rhizobium
- (b) Castor seed cake
- (c) Fish meal
- (d) Bone meal.

(iii) Warfarin is the example of

- (a) Rodenticides
- (b) Insecticides
- (c) Fungicides
- (d) Herbicides.

- (iv) Maltose on hydrolysis gives :
- (a) Glucose + glucose
 - (b) Glucose + galactose
 - (c) Glucose + fructose
 - (d) Galactose + fructose.
- (v) Pectin is used in the treatment of –
- (a) Diarrhoea
 - (b) Fever
 - (c) TB
 - (d) Leprosy.
- (vi) A protein secreted from the mouth of silk worm name is –
- (a) Fibroin
 - (b) Keratin
 - (c) Alanine
 - (d) Cystine.
- (vii) All the grasses are belonging to the family of –
- (a) Graminae
 - (b) Malvaceae
 - (c) Sterculiaceae
 - (d) Leguminosae.

2. Write short notes on : (Any three) $3 \times 4 = 12$
- (a) Mutation
 - (b) Hybridization
 - (c) Pharmaceutical Aids
 - (d) Resin.
3. (a) Differentiate between organized and unorganized drugs. 4
- (b) Describe various systems of classification of crude drugs. 8
4. (a) Write in details about the role of auxin, cytokinin, ethylene in regulation of plant growth. 6
- (b) Discuss the general properties and uses of volatile oil. 4
- (c) Define the terms :
Acid value and Acetyl value. 2
5. Discuss in details history and development of Pharmacognosy. 12

SECTION - B

6. A. Match the column :

1×7=7

<u>A</u>	<u>B</u>
Agar	fatty acid
Cod liver oil	laxative
Stearic acid	Vit A
Starch	amylose
Honey	ointment base
Lard	sweetening agent
Wool	keratn

B. Fill in the blanks :

1×7=7

- (i) Gum acacia belonging to the family —.
- (ii) Granulated honey contains —.
- (iii) — is only the gaseous plant hormone.
- (iv) — is the 'Father of Medicine'.
- (v) Volatile oil also known as —.
- (vi) Goldbeater's skin test is used to detect —.
- (vii) Molisch test is used to detect —.

7. (a) Write short notes on Natural Colours. 4

(b) Discuss the physical and morphological evaluation method of crude drugs. 8