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W-19

BP 405 T

Pharmacognosy and Phytochemistry-I (724405)

P. Pages : 2

Time : Three Hours

Max. Marks : 75

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures are right to indicate full marks.
6. Draw well labelled diagram wherever necessary.

1. a) Multiple choice question.

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- i) Drug is not under the class of organized drug

a) Leaves	b) Flowers
c) Fruits	d) Gums
- ii) Is known as father of medicine.

a) Aristotle	b) Dioscorides
c) Hippocrates	d) Galen
- iii) Drug which does not belong to leaves class.

a) Senna	b) Digitalis
c) Eucalyptus	d) Turmeric
- iv) Alkaloids are ----- types of substance.

a) Acid	b) Neutral
c) Chemical	d) Basic nitrogenous
- v) Glycosides are condensation product of :

a) Sugar + aglycone	b) Sugar + Protein
c) Protein + aglycone	d) Fat + aglycone
- vi) Terpenes made up of

a) Calcirene	b) Pseudoprime
c) Neoprene	d) Isoprene
- vii) Goldbeater skin test is used for identification of :

a) Alkaloids	b) Glycosides
c) Tannis	d) Resins
- viii) Composition of Molisch reagent

a) Alpha Naphthol + Sulphuric acid	
b) Beta Naphthol + Sulphuric acid	
c) Naphthylamine + Sulphuric acid	
d) Phenol + Sulphuric acid	
- ix) Important chemical constituent of honey is

a) Glucose	b) Fructose
c) Maltose	d) Invert sugar

- x) The biological source of Indian gum is
 a) Cyamopsis tetragonolobules b) Astragalus Gummifer
 c) Acacia arabica d) Acacia Senegal

b) Match the following.

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|--------------------------------|-------------------------|
| 1) Carbohydrates | Biological source. |
| a) Tragacanth | i) Apis species |
| b) Honey | ii) Astragalus Gummifer |
| c) Starch | iii) Acacia arabica |
| d) Acacia | iv) Gelidium amansii |
| e) Agar | v) Oryza sativa |
| 2) Morphological class of drug | Example. |
| a) Roots | i) Quassia |
| b) Woods | ii) Turmeric |
| c) Rhizomes | iii) Acacia |
| d) Bark | iv) Rauwolfia |
| e) Gums | v) Kurchi |

2. Answer any two.

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- a) Discuss the factor influencing cultivation of medicinal plants.
 b) What is traditional medicinal system? Brith discuss system of Ayurveda.
 c) Define carbohydrates & give its properties? Discuss pharmacognosy of honey.

3. Answer any seven.

35

- a) Describe taxonomical classification of Natural drugs with their advantages & disadvantages.
 b) Explain the physical method of evaluation of adulteration.
 c) Define pharmacognosy. Discuss on History & scope of pharmacognosy.
 d) Explain in details physical evaluation of crude drug.
 e) Write various plants hormones & their application.
 f) Define fibers & write short note on cotton.
 g) Write note on Natural allergens.
 h) Write note on homeopathy system of medicine.
 i) Write difference between Organised & unorganized drug.
