



AIKTC/KRRC/SoP/ACKN/QUES/2019-20/

Date: 15/01/2020School: SoP-CBSGSBranch: SoPSEM: VI

To,
Exam Controller,
AIKTC, New Panvel.

Dear Sir/Madam,

 Received with thanks the following **Semester/Periodic** question papers from your exam cell:

Sr. No.	Subject Name	Subject Code	Format		No. of Copies
			SC	HC	
1	Pharmaceutical Chemistry - II		-	-	-
2	Pharmaceutical Analysis - II		-	-	-
3	Pharmaceutics - III		-	-	-
4	Pharmacognosy & Phytochemistry - I		✓		02
5	Hospital Pharmacy & Drug Store Management		-	-	-

Note: SC – Softcopy, HC - Hardcopy

(Shaheen Ansari)
Librarian, AIKTC

Sem - VI CBSE 11/12/19

[Time: 3 Hours]

[Marks: 70]

Please check whether you have got the right question paper.

- N.B:**
1. All questions are compulsory.
 2. Illustrate answer with sketches and structures wherever required.
 3. Answer to sub-questions must be written together.

- Q.1 a)** Correct the statements if required & justify all the statements with significant reasons or examples. (07)
- 1) Papain is an example of dried juice.
 - 2) Absciscic acid is plant growth promoter.
 - 3) Ruthenium red is used to stain gums.
 - 4) Fixed oils are secondary metabolites.
 - 5) Ash value is indicative of organic and inorganic matter.
 - 6) Casein is proteolytic enzyme.
 - 7) Guar gum is an example of fructan derivative.
- b)** Answer briefly. (08)
- i) Give the morphological and histological differences between allied species of digitalis.
 - ii) Give two examples of alkaloid-based drugs with structures of relevant phytoconstituents and applications.
 - iii) Differentiate between jute & flax.
 - iv) Give sources and applications of Abrin and ricin.
- Q.2**
- i) Write a note on homeopathy system of medicine. (03)
 - ii) With the help of diagram, explain the histological features of monocot and dicot stem. (04)
 - iii) Write a note on isapgol & linseed. (04)
- Q.3**
- i) Write a note on countercurrent extraction (03)
 - ii) Write in detail about organoleptic method of evaluation of crude drugs. (04)
 - iii) Compare and contrast silk and wool. (04)
- Q.4**
- i) Write a note on chemotaxonomical method of classification of DONO. (03)
 - ii) Discuss in detail importance of drying and storage of crude drugs. (04)
 - iii) Give general method for extraction of glycosides. (04)
- Q.5**
- i) Write a note on 'cystoliths' and aleurone grains. (03)
 - ii) Discuss the underground modifications of stem. (04)
 - iii) With the help of suitable examples differentiate between adulteration and substitution of crude drugs. (04)
- Q.6**
- i) Give source; preparation and uses of urokinase and streptokinase. (03)
 - ii) Outline biosynthetic pathway for monoterpenoids. (04)
 - iii) Give the role of plant growth regulators in propagation of plants. (04)
