

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.

B.Sc. END SEMESTER EXAMINATION APRIL/NOV - 2021

SEMESTER - V

17UCHCE5001 - Pharmaceutical Chemistry

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Define the terms (i)pharmacodynamics (ii)pharmacokinetics (iii)vaccine. (2+2+1)
2. Predict the medicinal values of the following.
(i)Tulsi (ii)neem (iii)mint (iv)mango (v)coriander. (5 x 1)
3. Distinguish antiseptics and disinfectants.
4. Classify narcotic and non-narcotic drugs with suitable examples.
5. Deduce the chemical nature of hormones.
6. Explain the effects of psychedelic drugs.
7. What are salicylic acid derivatives? Discuss with examples.
8. Describe the composition of blood.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Recommend suitable drugs for the following diseases.
(i) Whooping cough(ii)mumps (iii)influenza (iv)typoid (v)filarial. (5 x 2)
10. (i)Differentiate between tranquilizers, sedatives and hypnotics. (6)
(ii)List the uses of penicillin and chloramphenicol. (4)
11. Assess the medicinal importance and its adverse effects of the following compounds
(i)thiopental sodium (ii)ibuprofen (iii)erythromycin.
(iv)sulphathiazole (v)methohexitone (5 x 2)
12. (i)Discuss the physiological functions of thyroxin. (5)
(ii)Explain the causes and control of hypertension. (5)
13. (i)Describe the action of the following sulpha drugs. (5)
(a)prontosil (b)sulphafurazole.
(ii)Discuss about the structure and functions of insulin. (5)