Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: 2020-21 **T.Y. B. Sc.**	**School of Science**	**Department: Chemistry**
Course Code: CHS 313	**Course Title: Pharmaceutical Chemistry**	**Semester :V**
Day : Tuesday **Date : 22.12.2020**	**End Semester Examination**	**Time : 2Hrs.** **Max Marks : 50**

Instructions: 1) All Questions arecompulsory.

		Marks	Bloom's Level	CO
Q.1	**Answer the following (any Two)**			
a)	Define drug? What are properties of ideal drug?	8	L2	CO1
b)	Write the classification of drug based on their therapeutic action.	8	L2	CO1
c)	What is leprosy? Write the synthesis, mode of action and side effects of anti-leprosy drug Dapsone.	8	L3	CO2
Q.2	**Answer the following (any two)**			
a)	What are analgesics? How they classified and write the synthesis of paracetamol.	8	L3	CO1
b)	What is fermentation process? Discuss the production of ethanol by fermentation process.	8	L4	CO2
c)	Describe the types and functions of vitamins. Discuss the any one method for synthesis of vitamin-C.	8	L3	CO2
Q.3	**Answer the following (any two)**			
a)	Write the difference between agonist and antagonist and explain the phenomenon of drug- receptor interaction.	9	L4	CO1

b)	What is disconnection? Write the basic terms used in retrosynthesis and guidelines for disconnections with suitable examples.	9	L3	CO1
c)	How amino acid are classified? Discuss the importance and synthesis of Lysine by fermentation process.	9	L5	CO2

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