	Sanjay Ghodawat University, Kolhapur EstablishedasStatePrivateUniversityunderGovt.ofMaharashtra.ActNoXL,2017	2020_20 EXM/P/09/00

Year andProgram-S.Y.D. Pharmacy	School of Pharmaceutical sciences	Department-Pharmacy
CourseCode-DP202T	CourseTitle- Pharmaceutical Chemistry-II	Annual Exam 2020-21
Date:19-5-21 Day: Wednesday	Examination:Annualpattern	MaxMarks:50 Time: 2hrs

Instruction

1. All questions are compulsory.
2. Draw a neat labeled diagram if necessary.

		Marks	Bloom s Level	CO
Q.1	Shortanswerquestion. AnsweranySix out of Eight (2 x 6)	**12**		
a.	Define Antiseptic and Disinfectant with example.	02	1	1
b.	Classify Sulphonamides.	02	1	1
c.	Enlist the adrenergic receptors with their locations.	02	1	1
d.	Draw the structure of congo red and indigo carmine.	02	4	2
e.	DefineDiagnostic agents with examples.	02	1	1
f.	Classify anti tubercular drugs.	02	1	1
g.	Classify Antibiotics with examples.	02	1	1
h.	Draw the structure of Ephedrine and Salbutamol with its IUPAC name.	02	4	2
Q.2	Explain with suitable diagram, flow chart and Reaction. Answer any Three out of Five (3x3)	**09**		
a.	Explain life cycle of Malaria.	03	2	3
b.	Give the biosynthesis of Ach with its storage and release.	03	2	3
c.	Define diuretics Give SAR, MOA and uses of Thiazide diuretics.	03	1	1
d.	Draw the structure of Chloramphenicol give its MOA and uses.	03	4	2
e.	Explain in detail process of blood coagulation.	03	2	3
Q3	Illustrate following with suitable example. Answer any Three out of Five (3x3)	**09**		
a.	Give the biosynthesis of histamine and classify first generation of antihistamine.	03	2	3
b.	Classify Anti-neoplastic drug in details and give SAR of Nitrogen mustard.	03	1	1
c.	Draw the structure of Chlorozylenol and CetrimideWrite its properties and uses.	03	4	2
d.	Give chemistry, Physicalproperties, uses and storage of Propyliodone.	03	2	3
e.	Explain any two drugs of anti-thyroid category.	03	2	3

Q.4		Write a short note on following Answer any Two out of Three (3x2)	**06**		
	a.	Give the SAR of Aspirin and Paracetamol.	03	2	3
	b.	Draw the structure (any three) – 1.Ethambutol 2.Ethionamide 3.Phenol 4.Benzalkonium chloride	03	4	2
	c.	Give the MOA and uses of local anesthetics.	03	2	3
Q.5		Discuss the following Answer any Two out of Three (3x2)	**06**		
	a.	Explain in details the chemistry of Tetracycline and Erythromycin.	03	2	3
	b.	Give the SAR of Opoid analgesics with suitable examples.	03	2	3
	c.	Define steroids and give the structure for steroidal nucleus .	03	1	1
Q6.		Long answer questions Answer any Two out of Four (4x2)	**08**		
	a.	Give the SAR of adrenaline with its MOA and uses.	04	2	3
	b.	Classify antihypertensive drugs in details and give the SAR of ACE inhibitors.	04	1	1
	c.	Give the structure ,MOA and uses of Isoniazid and Para amino salicylic acid(PAS)	04	2	3
	d.	Classify Gluco-corticoids and give SAR of cortisone and hydrocortisone.	04	1	1