winter 2023

SGU	**Sanjay Ghodawat University, Kolhapur** Established as State Private University under Govt. of Maharashtra. Act No XL, 2017	EXM/P/09/00
Year and Program – SY.DPH (D.Pharm)	**School of pharmaceutical sciences**	**Department – Pharmacy**
Course Code – DP 202T	**Course Title- Pharmaceutical Chemistry-II (Theory)**	**Year – Part II**
Date: 29/11/2023 **Day :** Wednesday **Time:** 02 to 5.00PM	**Examination: End Academic Examination (EAE)**	**Max Marks: 80** **Duration: 03 Hrs**

Instructions: 1) Figures to the right indicate full marks.

2) Draw a structure wherever necessary.

			Marks	Bloom's Level	CO
Q1		**Long Answer question (Answer 6 out of 7)**	**30**		
	a)	Classify Hypoglycaemic agents with examples. Give structure of Phenformin	05	2,3	1
	b)	Define Diuretics. Classify them with examples and give structure of furosemide.	05	1,2	1
	c)	Differentiate between general and local anaesthetics. Draw structure of Procaine.	05	2,3	3
	d)	Classify the Antimalerials with examples. Draw structure of Chloroquine with its chemical name.	05	2,3	1,2
	e)	Define and classify Antineoplastics with examples	05	1,2	1
	f)	What are sex hormones? Give properties, uses and official preparations of Testosterone.	05	1,2	1,3
	g)	What is Histamine? Define and classify Antihistamines with examples. Draw structure of Chlorpheniramine.	05	1,2,3	1,2, 3
Q2		**Short answer question (Answer 10 out of 11)**	**30**		
	a)	Give structure, chemical name and uses of Ethambutol.	03	1,3	2
	b)	Define and classify NSAID with examples.	03	1,2	1
	c)	What are cardiotonic agents? Name any two cardiac glycosides and give their hydrolysis products.	03	1	1,3
	d)	Write structure, chemical name and uses of Penicillin G.	03	1,3	2,3
	e)	Define Analeptic. Give structure and chemical name of caffeine.	03	1,3	1,2
	f)	Write structure, chemical name and uses of Menadione.	03	1,3	2,3

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g)	What is Co-trimoxazole? Give uses and brand names of Co-trimoxazole.	03	1	1,3
h)	Give structure, properties and uses of Atropine.	03	1,3	2,3
i)	What is epilepsy? Classify Anti-convulsant drugs with examples.	03	1,2	1
j)	Classify Antiseptics and Disinfectants with examples.	03	1,3	1
k)	Give structure, chemical name and uses of Thyroxine.	03	1,3	2,3

Q3	**Objective type questions**	**20**		
a)	Give structure of Pyrazole.	01	1	2
b)	Define coagulants with example.	01	1	1
c)	Give the brand names of Paracetamol.	01	1	3
d)	Give structure of Dapson.	01	3	2
e)	Write names of four water soluble vitamins.	01	1	3
f)	Give structure of Piperazine.	01	3	2
g)	Give uses of Mannitol.	01	1	3
h)	Give the brand names of Metformin.	01	1	3
i)	Define Hypnotics and Sedative.	01	1	1
j)	Give uses of Evans blue.	01	1	3
k)	Give uses of Chloroquine.	01	1	3
l)	Give the brand names of Metronidazole.	01	1	3
m)	Give uses of Dapsone	01	1	3
n)	Give structure of Proflavin.	01	1	2
o)	Give chemical name of caffeine.	01	3	2
p)	Give uses of Tolnaftate	01	1	3
q)	Define Diagnostic agents.	01	1	1
r)	Give official preparations of Clofibrate	01	1	3
s)	Give uses of Insulin.	01	1	3
t)	Write the source of Vitamin A.	01	1	3

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