

# Faculty of Pharmacy

## End Semester Examination May 2025

### PY3CO24 Pharmacology -III

<b>Programme</b>	:	B.Pharm.	<b>Branch/Specialisation</b>	:	-
<b>Duration</b>	:	3 hours	<b>Maximum Marks</b>	:	75

**Note:** All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

#### Section 1 (Answer all question(s))

<b>Q1.</b> Name the source of penicillin antibiotics.	<b>Marks CO BL</b> 2 1 1				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><b>Rubric</b></th> <th style="text-align: center;"><b>Marks</b></th> </tr> </thead> <tbody> <tr> <td>SOURCE: 2 MARKS</td> <td style="text-align: center;">2</td> </tr> </tbody> </table>	<b>Rubric</b>	<b>Marks</b>	SOURCE: 2 MARKS	2	
<b>Rubric</b>	<b>Marks</b>				
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<b>Q2.</b> Write any two principles of chemotherapy.	2 1 1				
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PRINCIPLE - 1 MARK EACH	2				
<b>Q3.</b> Define the term efflux.	2 2 1				
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DEFINITION - 2 MARKS	2				
<b>Q4.</b> Give two examples of aminoglycosides.	2 2 1				
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EXAMPLE - 1 MARK EACH	2				
<b>Q5.</b> Write four names of sexually transmitted infections.	2 3 1				
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NAMES- 0.5 marks each	2				
<b>Q6.</b> Define Monoclonal Antibody.	2 3 1				
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<b>Q7.</b> Define Expectorants with example.	2 4 1				
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DEFINATION -1 MARK EXAMPLE -1 MARK	2				
<b>Q8.</b> Define digestants and carminatives.	2 4 1				
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DEFINITION -1 mark each	2				

**Q9.** Define the term carcinogenicity.

2 5 1

<b>Rubric</b>	<b>Marks</b>
DEFINITION -2 MARKS	2

**Q10.** Write types of toxicity with examples.

2 5 1

<b>Rubric</b>	<b>Marks</b>
Types-1 MARK	2
EXAMPLES -1 MARK	

### **Section 2 (Answer any 2 question(s))**

**Marks CO BL**

**Q11.** Write about the sulphonamide and macrolides with the mode of action with examples.

10 1 1

<b>Rubric</b>	<b>Marks</b>
Definition of sulphonamide- 2 marks Definition of macrolides- 2 marks, Mode of action of both- 2 marks each, example- 1 marks each	10

**Q12.** Explain in detail about antiviral drugs. Classify them with a general mode of action and adverse effects.

10 2 1

<b>Rubric</b>	<b>Marks</b>
Definition - 2 marks	10
Classification - 3 marks	
Mode of action - 3 marks	
Adverse effect - 2 marks	

**Q13. (a)** What are anti-fungal drugs? Discuss first-line drugs used in its chemotherapy with MOA.

10 2 1

**(b)** Write a note on antileprotic drugs with the general mode of action.

<b>Rubric</b>	<b>Marks</b>
Definition of antifungal drug- 1 mark Example of first line drug- 1 mark Mode of action - 3 marks	5
Definition of antileprotic drugs - 2marks Mode of action - 3 marks	5

### **Section 3 (Answer any 2 question(s))**

**Marks CO BL**

**Q14.** Discuss the scope of immunostimulants and immunosuppressant.

5 3 1

<b>Rubric</b>	<b>Marks</b>
scope of immunostimulants- 2.5 marks scope of immunosuppressant - 2.5 marks	5

**Q15.** Elaborate the chemotherapy of urinary tract infection with MOA.

5 3 1

<b>Rubric</b>	<b>Marks</b>
Chemotherapy of UTI 2 marks MOA- 3 marks	5

**Q16.** Discuss the etiology and treatment of sexually transmitted disease.

5 3 1

Rubric	Marks
Etiology- 2 marks	5
Treatment of sexually transmitted disease.- 3 marks	

**Section 4 (Answer any 2 question(s))**

**Q17.** Write a note on emetics and antiemetics with examples.

Marks CO BL  
5 4 1

Rubric	Marks
Energetics 2.5 Marks	5
Antiemetics 2.5 Marks	

**Q18.** Define antiulcer agents. Give examples with MOA.

5 4 1

Rubric	Marks
Definition- 1 mark	5
MOA - 2 marks	
Example: 1 Mark	

**Q19.** Write the MOA and names of drugs used in the management of COPD.

5 4 1

Rubric	Marks
Names of Drugs:2 marks	5
MOA : 3 marks	

**Section 5 (Answer all question(s))**

Marks CO BL

**Q20.** Write the MOA of organophosphorus poisoning. How can it be treated?

5 5 1

Rubric	Marks
MOA- 3 marks	5
Treatment -2 marks	

**Q21.** Write a short note on the Biological clock and its significance in chronopharmacology.

5 5 1

Rubric	Marks
Note on Biological clock- 3 marks	5
Significance in chronopharmacology.- 2 marks	

**Q22.** Describe the principle of genotoxicity with examples.

5 5 1

Rubric	Marks
Principle - 3 marks	5
example -2 marks	

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