Name :	
Roll No. :	Conserver Standard Index

Invigilator's Signature : .....

## CS/B.Pharm/SEM-7/PT-708/2010-11 2010-11 PHARMACOLOGY

*Time Allotted* : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

## **GROUP – A**

## (Multiple Choice Type Questions)

- 1. Choose the correct alternatives for any *ten* of the following :  $10 \times 1 = 10$ 
  - i) For healing duodenal ulcer the usual duration of  $H_2$  blocker therapy is
    - a) 4 weeks b) 6 weeks
    - c) 8 weeks d) 12 weeks.

ii) Somatostatin inhibits the release of

- a) growth hormone b) insulin
- c) thyrotropin d) all of these.
- iii) The most important mechanism of concurrent acquisition of multi-drug resistance among bacteria is
  - a) mutation b) conjugation
  - c) transduction d) transformation.

[ Turn over

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iv)	'Sho	ulder-hand' syndrome	may	be produced as a side	
	effec	et of		Change (V Environge 2nd Excelant)	
	a)	Isowazid	b)	Primaquine	
	c)	Methotrexate	d)	Cytarabin.	
v)	v) The drug of choice for the treatment of me resistant Staphylococcal infection is				
	a)	Erythromycin	b)	Vancomycin	
	c)	Clindamycin	d)	Tetracyclin.	
vi)	The time required for 99% disapperance of effect $I^{131}$ is				
	a)	7 days	b)	14 days	
	c)	32 days	d)	56 days.	
vii)	In ' resu	primary hyper aldos lts from	teron	iism muscle' weakness	
	a)	muscle wasting	b)	hypokalemia	
	c)	hypercalcamia	d)	all of these.	
viii) In treatment of post-partum haemorrhag choice is				haemorrhage, the best	
	a)	$PGF_{2\alpha}$	b)	Methylergonetrine	
	c)	15 methyl $PGF_{2\alpha}$	d)	INH.	
ix)	ix) Out of these drug which one is nephrotoxic & ototoxi				
	a)	Bleomycin	b)	Mitomycin	
	c)	Cisplastin	d)	Tobramycin.	
X)	A and $B$ chain of insulin are held together by				
	a)	one sulphide bond	b)	two disulphide bonds	
	c)	three sulphide bonds	d)	four sulphide bonds.	

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## **GROUP – C**

( Long Answer Type Questions)

Answer any *three* of the following.  $3 \times 15 = 45$ 

- 7. a) Write down the chemistry and biosynthesis of the hybrid hormone.
  - b) Write down the chemistry and biosynthesis of insulin.

 $7\frac{1}{2} + 7\frac{1}{2}$ 

- 8. Classify antibiotics. Give examples of each. Exp;ain the mechanism of action of Erythromycin. Mention its uses and ADR's. Explain why azithromycin is a better drug than erythromycin. 5 + 7 + 3
- 9. Write about the regulation of gastric acid secretion. Describe pharmacology of  $H_2$  blocker. What are the drugs recommended for treatment of *H.pylori* infection ? How does metaclopromide act as antiemetic agent ? 5 + 5 + 2 + 3
- 10. Write short notes on any *thee* of the following :  $3 \times 5$ 
  - a) Crytalluria caused by sulphonamides
  - b) Mechanism of action of sulphanylurea hypoglycaemics
  - c) Heavy metal antagenists.
  - d) Superinfection.
  - e) Cytotoxic plant derivatives.
- 11. a) Explain the characteristics of a cancer cell.
  - b) Explain the mechanism of action of aciclovir.
  - c) Write down the preferable and alternative regimen for the management of AIDS. 7 + 5 + 3

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