

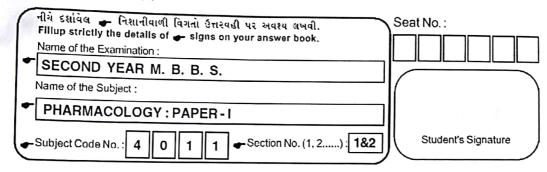
## B-4011 Second Year M. B. B. S. Examination

June/July - 2017 Pharmacology: Paper - I

Time: 2 Hours]

[Total Marks: 40

Instructions: (1)



- (2) Answers must be brief, precise and to the point.
- (3) Always give suitable examples and draw figures where necessary

## SECTION - I

1 Answer very briefly:

10

- a) Mention one advantage and one disadvantage of a drug with a long half life. Give one example.
- b) What is first pass metabolism? How can you bypass(avoid) first pass metabolism.
- c) Define affinity and intrinsic activity of a drug in relation to receptor giving example.
- d) What is therapeutic index? Name two drugs with low therapeutic index.
- e) What is bio-availability? Name two factors that affect bio-availability when drug is given by oral route.
- f) Describe effects of atropine on eye.

[Contd...

<ul> <li>g) Write two life saving uses of adrenaline.</li> <li>h) Write two differences between atenolol and propranol</li> <li>i) Write two uses of neostigmine.</li> <li>j) Explain giving one example, what is indirectly a sympathomimetic?</li> </ul>	
Answer any four:	8
<ul> <li>a) Write pharmacotherapy of myasthenia gravis.</li> <li>b) Describe differences between physostigmine and neostigment.</li> <li>c) Describe how "AGE" and "DISEASE" can affect response a drug.</li> </ul>	nine. se of
<ul> <li>d) Describe competitive antagonism.</li> <li>e) Describe differences between "brand name" and "gener name.</li> </ul>	ric
SECTION - II	
answer any four :	12
Pharmacotherapy of iron deficiency anaemia	

## 3 An

2

- a)
- Write short note on warfarin. b)
- Describe triple drug regimen in relation to peptic ulcer. c)
- Write short note on mast cell stabilizers. d)
- e) Write short note on  ${\rm H_2}$  receptor blockers.

## Answer any two: 4

- Name commonly used four groups of antihypertensive drugs. a) Describe one group in detail.
- Classify antidiuretics as per their site of action on nephron. b) Describe uses and adverse effects of furosemide.
- Classify antianginal drugs. Write pharmacotherapy of angina. c)

B-4011]

2

[ 300 ]