



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

June / July - 2017
Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions : (1)

नीचे दशांशक निशानवाणी विगतो उत्तरवडी पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
SECOND YEAR M. B. B. S.

Name of the Subject :
PHARMACOLOGY : PAPER - I

Subject Code No. : 4 0 1 1 Section No. (1, 2.....) : 1&2

Seat No. :

Student's Signature

- (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.

- g) Write two life saving uses of adrenaline.
- h) Write two differences between atenolol and propranolol.
- i) Write two uses of neostigmine.
- j) Explain giving one example, what is indirectly acting sympathomimetic?

2 Answer any four:

8

- a) Write pharmacotherapy of myasthenia gravis.
- b) Describe differences between physostigmine and neostigmine.
- c) Describe how "AGE" and "DISEASE" can affect response of a drug.
- d) Describe competitive antagonism.
- e) Describe differences between "brand name" and "generic name."

SECTION - II

3 Answer any four :

12

- a) Pharmacotherapy of iron deficiency anaemia.
- b) Write short note on warfarin.
- c) Describe triple drug regimen in relation to peptic ulcer.
- d) Write short note on mast cell stabilizers.
- e) Write short note on H₂ receptor blockers.

4 Answer any two :

10

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

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