



M-4011

Second Year M. B. B. S. Examination

December - 2015

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

नीचे दशांशिक निशानोंवाली विगनों उत्तरपत्री पर अवश्य लपखरी.
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,.....) : Nil

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.

1 Answer very briefly:

9

- Write down two examples of orphan drugs.
- What is 'desensitization' of receptor? Give two clinical examples.
- What will be the effect on BP if large dose of acetylcholine is given after the administration of atropine? Give the reason for your answer.
- Name four antihypertensives of choice that can be prescribed to a female during pregnancy.
- What is teratogenicity? Name two teratogenic agents.
- Which are the types of aerosols? Give atleast one example of each.
- What is INR? Write down recommended INR for any one indication.
- Why loperamide is not given in children below five years of age?
- Name two diuretics used in the treatment of poisoning.

2 Answer any three :

9

- Enumerate different types of drug antagonism. Describe in detail receptor antagonism giving suitable examples and figures.
- Describe the mechanism of action of CCBs as antihypertensives. Write suitable indications for which they are prescribed and conditions for which they are avoided.

- 2 ✓c) Enlist the advantages of second generation H₁antihistaminics. Describe the therapeutic uses of H₁antihistaminics giving pharmacological basis.
- 11/2 ✓d) Write a note on kinetics of elimination.

3 Answer any four : 12

- ✓a) Classify drugs used in cough. Describe in short the non-opioids used in cough. 1 1/2 ✓ 6-5
- ✓b) Write a short note on α + β blockers 1/2 ✓ 3
- ✓c) Enumerate LMWH. Describe therapeutics uses and adverse effects of heparin. 3
- d) What is therapeutic drug monitoring (TDM)? Explain the situations with examples in which it is useful and is of no value.
- ✓e) Explain briefly about rational drug combinations used for chronic prophylaxis of angina. 1 1/2

4 Answer any two : 10

- ✓a) Enumerate various atropine substitutes. Write in detail about their therapeutic uses giving pharmacological basis. 2 1/2 ✓ 5-5
- ✓b) Classify antiemetic drugs. Describe mechanism of action, uses and adverse effects of any one commonly used class of drugs. 3
- c) Describe in detail different types of drug interactions giving suitable examples. 1 5-5
6-5
17.0