



2013

KK-4011
 Second Year M. B. B. S. Examination
 December - 2013
 Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

नीचे हस्तलिखित विवरणों को ध्यानपूर्वक भरें।
 Fillup strictly the details of signs on your answer book.

Name of the Examination :
 S. Y. M.B.B.S.

Name of the Subject :
 PHARMACOLOGY : PAPER - 1

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

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- (2) Answers should be brief and to the point.
- (3) Give examples if needed.

1 Answer the following :

- (a) Why Edrophonium but not neostigmine used to diagnose cholinergic crisis from myasthenic crisis ?
- (b) How action of noradrenaline is terminated after it is released from adrenergic nerve terminal? Name one drug agent which interferes with this process.
- (c) What is the difference between potency and efficacy ? Which is more important clinically ?
- (d) When nitroglycerine is used for angina pectoris it is not recommended to maintain adequate blood level of nitrites throughout 24 hrs. Give reason.
- (e) Mention the names of two non sedative antihistaminics.
- (f) What is trough level of a drug ? Mention its clinical significance.
- (g) There several reasons for different routs of drug administration as stated here. Fill in the blanks with appropriate route :
 - (1) For convenience Topical, oral
 - (2) To maximize concentration at the site of action and minimize it elsewhere Parenteral
 - (3) To prolong duration of action Rectal
 - (4) To avoid First pass effect Sublingual

9

Mizolastine
Ebastine

- (h) Which is the drug of choice for ^{VH, B:2} pernicious anemia? Mention its preferred use of administration. 113, 120
- (i) Explain advantages of inhalational therapy over systemic therapy in patient of bronchial asthma.
- 2 Answer any three of the following : 9
- (a) Enumerate various alpha blockers. Mention their uses and adverse effects. 140, 143.
- (b) Enumerate various drugs acting through serotonergic (5HT) system. Describe the therapeutic uses of the same. 174, ...
- (c) Enumerate various oral anticoagulants. Describe their therapeutic uses, adverse effect of warferrin in therapy. 617, 620, ...
- (d) Enumerate various categories of drugs for angina pectoris. Describe the mechanism of action in angina attack and in prophylaxis of angina. 540, 541,
- 3 Answer any four of the following : 12
- (a) Enumerate different drugs from various categories for vomiting. Describe in brief drug therapy of gastro-oesophageal reflux disorder. 663, 658
- (b) Enlist various drugs useful in treatment of peptic ulcer from different categories. Describe their mechanism of action and limitations in peptic ulcer. 649, ...
- (c) Classify various calcium channel blockers. Describe their antihypertensive mechanism. Compare and contrast nifedipine and verapamil. 546, 548, 549, 562.
- (d) Enumerate various diuretics from different categories. Describe the mechanism of action and side effects of high ceiling loop diuretics. 579, 580, 582, 584.
- (e) Classify various classes of anti-hypertensives. Describe mechanism of action of ACE-inhibitors in hypertension. 558, 561.
- 4 Answer any two of the following : 10
- (a) Classify various anticholinergic agents. Mention their therapeutic uses and adverse effects. Give pharmacological basis of each use you mentioned. 113, 118, 120, ...
- (b) What is acute congestive glaucoma? Mention various drugs useful in the treatment of acute congestive glaucoma. Describe their mechanism of action and adverse effects. 155, 144, ...
- (c) Classify various sympathomimetics drugs. Describe their therapeutic uses giving pharmacological basis. Explain why noradrenaline preferred over adrenaline in treatment of severe hypotension. 129, 133, 137, ...