


P-4011
Second Year M. B. B. S. Examination
February - 2014
Pharmacology : Paper - I

Time : Hours]

[Total Marks : 40

Instructions :

(1)

Fill up 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 - 1 Subject Code No. : 4 0 1 1 Section No. (1, 2, ...): Nil		Seat No. : Student's Signature
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- (2) Answers must be brief, precise and to the point.
- (3) Always give suitable examples wherever needed.
- (4) Figures on right indicate the marks allotted to question.

- 1 Answer the following : (Attempt all) 9
 - (a) Mention the clinical status and limitations of streptokinase.
 - (b) Explain the pharmacological basis of use of adrenaline in anaphylactic shock.
 - (c) Explain briefly the difference between allergic and idiosyncratic reaction.
 - (d) Enumerate therapeutic uses of choline esters.
 - (e) Define : (i) Teratogenicity (ii) Phototoxicity.
 - (f) Explain briefly role of mucolytics in the treatment of cough.
 - (g) Explain briefly the limitations of nifedipine as an antihypertensive agent.
 - (h) Write briefly about xylometazoline.
 - (i) Explain why beta blocker should not be combined with verapamil.
- 2 Answer any three of the following : 9
 - (a) Describe the drug therapy of relapse of peptic ulcer.
 - (b) Describe the clinical uses of phenylephrine. Mention the mode of administration for each use.

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- (c) Describe the clinical uses of sodium nitroprusside. Mention the mode of administration and precaution required in its use.
- (d) Explain mechanism of action and adverse effects of thiazide diuretics.

3 Answer any **three** of the following : 12

- (a) Name four drugs for emesis that act by different mechanisms. Describe mechanism, uses and adverse effects of each.
- (b) Describe with preferred agent the clinical uses of prostaglandin analogues.
- (c) Enumerate two first generation and two second generation antihistaminics. Describe merits and demerits of second generation antihistaminics.
- (d) Write a brief note on each of the following :
 - (i) Salmeterol
 - (ii) Iron sucrose
 - (iii) Warfarin
 - (iv) Lepirudin.

4 Answer any two of the following : 10

- (a) Enumerate five commonly used drugs from different groups for treatment of congestive cardiac failure. Justify use of each drug for the same.
- (b) Classify atropine substitutes and/or derivatives and describe their therapeutic uses.
- (c) Describe with suitable examples the pharmacokinetic and pharmacodynamic interactions.

