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P-4012

Second Year M. B. B. S. Examination

February – 2014

Pharmacology : Paper - II

Time : Hours] [Total Marks : 40

Instructions :

(1)

ઉમેદવારે ફક્ત જમણી બાજુ દર્શાવેલી વિગતો જ ભરવી.
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 - 2

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

Seat No. :

Student's Signature

(2) Answers should be brief and to the point.
(3) Always give suitable examples wherever needed.
(4) Figures on right indicate the marks alloted to the question.

1 Answer the following : (attempt all) 9

(a) Justify use of ethanol in methanol poisoning.

(b) What is a uricosuric agent ? Give two examples.

(c) Explain why methadone is used in morphine dependence.

(d) Name a drug that repletes hepatic glutathione. Mention with basis its clinical use.

(e) Name with reason a fluoroquinolone not used for systemic infection and one not used for urinary tract infection.

(f) Enumerate two short acting and two long acting insulin analogues.

(g) Mention advantages of using carbidopa with levodopa for treatment of Parkinsonism.

(h) Justify role of misoprostol in NSAID induced peptic ulcer.

(i) Explain why oxytocin is used for induction of labour but not the ergometrine.

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2 Answer any three of the following : 9

(a) Justify the use of each of the following conbination :
  (i) Trimethoprimt sulphamethoxazole as antimicrobial agent.
  (ii) Pyrimethamine + sulfadoxine as antimalarial agent.

(b) Compare and contrast between penicillin G and amoxycillin.

(c) Describe with preferred agent the clinical uses of benzodiazepines.

(d) Describe briefly mechanism of action, merits and demerits of radioactive iodine.

3 Answer any three of the following : 12

(a) Enlist commonly used selective serotonin reuptake inhibitors and their therapeutic uses. Describe briefly their merits and demerits as compared to tricyclic antidepressants.

(b) Describe clinical uses, adverse effects and interactions of each of the following :
  (i) Ciprofloxacin
  (ii) Metronidazole.

(c) Describe briefly the pharmacotherapy of typhoid fever.

(d) Write a note on each of the following :
  (i) Minipill
  (ii) Ulipristal.

4 Answer any two of the following : 10

(a) Enumerate five commonly used drugs for tonic-clonic seizures. Describe briefly the mechanism of action and adverse effects of each.

(b) Describe the drug therapy of P-falciparum malaria.

(c) Enumerate commonly used glucocorticoids. Describe principles of their use and their adverse effects.

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