



**R-1570**  
**Second Year M. B. B. S. Examination**  
**February – 2010**  
**Pharmacology : Paper - II**

Time :    Hours]

[Total Marks : 40

**Instructions :**

(1)

<p>नीचे दृशविवेक निशान्चीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>S. Y. M. B. B. S.</b></p> <p>Name of the Subject : <b>Pharmacology - 2</b></p> <p>Subject Code No. : <b>1 5 7 0</b> Section No. (1, 2,.....): <b>Nil</b></p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- (2) Figures at right indicate marks.
- (3) Answers should be brief and to the point.
- (4) Give suitable examples where needed.
- (5) Draw diagrams if necessary.

1 Answer the following :

9

- (a) What is "Second gas effect"?
- (b) Why is ergometrine not used for induction of labour although it is a uterine stimulant?
- (c) Give pharmacological basis to explain why aspirin is given in low dose in a patient with Ischaemic heart disease.
- (d) What is chemoprophylaxis? Name two drugs used for chemoprophylaxis.
- (e) Can codeine be used in an asthmatic patient to suppress cough? Why?
- (f) Define MIC (Minimum Inhibitory Concentration) of a drug.
- (g) Why is chloroquine useful in hepatic but not in intestinal amoebiasis?
- (h) What is hypoglycemia unawareness in a patient of Diabetes Mellitus?
- (i) Mention two contraindications for use of ergotamine in a patient of migraine.

- 2** Answer any **three** of the following : **9**
- (a) Describe how tricyclic antidepressants are beneficial in a case of depression. How does fluoxetine differ from TCA's in this respect?
  - (b) What is DOTS? Describe short term regimen for tuberculosis. Mention at least one adverse effect of each drug mentioned.
  - (c) Discuss briefly the mechanism of action, uses and adverse effects of lithium.
  - (d) Discuss the management of paracetamol poisoning.
  - (e) Enumerate drugs used for treatment of Parkinsonism. Discuss the "On-off" phenomenon in relation to Parkinson's disease.
- 3** Answer any **three** of the following : **12**
- (a) Enumerate macrolide antibiotics. Discuss their uses and adverse effects.
  - (b) Describe various types of drug dependence. Discuss briefly the deaddiction programme in a chronic alcoholic patient.
  - (c) Enumerate various drugs from different categories used for amoebiasis. Discuss mechanism of action, uses and adverse effects of metronidazole.
  - (d) Enumerate various drugs for treatment of hyperthyroidism. What is the treatment strategy to manage a patient of hypothyroidism.
  - (e) Enumerate drugs used for treatment of Malaria. Discuss treatment strategies for chloroquine resistant *P. falciparum* malaria.
- 4** Answer any **two** of the following : **10**
- (a) Describe in detail the drug treatment of category I in tuberculosis. Mention the mechanism of action and adverse effects of each drug you mention.
  - (b) Enumerate various oral antidiabetic drugs from different categories. Describe their mechanism of action and adverse effects.
  - (c) Describe the drug therapy of various STD (Sexually Transmitted diseases) in clinical practice. (Do not include treatment of AIDS).