



R-1570

Second Year M. B. B. S. Examination

February - 2010

Pharmacology : Paper - II

Time : Hours]

[Total Marks : 40

Instructions :

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Fillup strictly the details of 4, signs on your answer book.		<input type="checkbox"/> 1111111111111111
of the Examination :		<div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center;"> Student's Signature </div>
S. Y. M. B. B. S.		
Name of the Subject :		
1 Pharmacology - 2		
-Subject Code No. :	5 7 0	up-Section No. (1, 2, ...) : Nil

- (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

- What is "Second gas effect"?
- Why is ergometrine not used for induction of labour although it is a uterine stimulant?
- Give pharmacological basis to explain why aspirin is given in low dose in a patient with Ischaemic heart disease.

What is chemoprophylaxis? Name two drugs used for chemoprophylaxis.

Can codeine be used in an asthmatic patient to suppress cough? Why?

Define MIC (Minimum Inhibitory Concentration) of a drug.

Why is chloroquine useful in hepatic but not in intestinal amoebiasis?

What is hypoglycemia unawareness in a patient of Diabetes Mellitus?

Mention two contraindications for use of ergotamine in a patient of migraine.

R-15701

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