



2013

KK-4012
Second Year M. B. B. S. Examination
December - 2013
Pharmacology - II

Time : 2 Hours]

[Total Marks 40

Instructions :

(1)

<p style="font-size: small;">-१३ संकेत - विद्यार्थी विगत उत्तरवर्दी पर अक्षर बखी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : S. Y. M.B.B.S.</p> <p>Name of the Subject : PHARMACOLOGY - 2</p> <p>Subject Code No. : 4 0 1 2 Section No. (1, 2,) Nil</p>	<p>Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Student's Signature</p>
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- (2) Answers should be brief and to the point.
(3) Give examples if needed.

1 Answer the following :

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- (a) Define MIC (Minimum Effective Concentration) of an antimicrobial agent?
- (b) Mention two actions of alcohol for which a person is not allowed to drive vehicle.
- (c) Why aspirin is preferred over paracetamol in child having viral infection?
- (d) Why should a patient with cranial trauma not be administered morphine or any other opiate agonists?
- (e) What is Lignocaine? Mention its two uses.
- (f) Write rationale of use of propranolol in thyroid crisis.
- (g) Enlist two therapeutic uses of Metronidazole.
- (h) What is the rationale of using ciprofloxacin in enteric fever?
- (i) Mention two reasons for the use of potassium iodide in patient undergoing subtotal thyroidectomy.

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- 2 Answer any three of the following : 9
- (a) Describe with suitable examples the various factors affecting depth, induction and recovery of anaesthesia. 375, 376.
 - (b) Enumerate various corticosteroids. Describe their therapeutic uses and general principles to be observed during therapy. 289, 290.
 - (c) Classify Fluroquinolones. Describe mechanism of action and therapeutic uses of sparfloxacin. 709, 714, ...
 - (d) Classify various drugs from different categories for rheumatoid arthritis. Explain their mechanism of action, indication and adverse effects. 210, ...
- 3 Answer any four of the following : 12
- (a) Enumerate some selective COX 2 inhibitors. Describe briefly for what purposes they were developed. Give their present status in clinical. 172, 205, ...
 - (b) Describe pharmacological actions of morphine related to CVS. Also explain the pharmacological basis of use of morphine in acute left ventricular failure. 471, 478.
 - (c) What is causal and suppressive prophylaxis in case of malaria? Which drugs can be used for this use? what are the difference between chloroquine and quinine? 818, 821, 825.
 - (d) Enumerate various macrolides. Describe therapeutic uses and adverse effects of Erythromycin. 732, 733.
 - (e) Describe with suitable examples the indication and advantages of using antimicrobial agents in combination. 678, ...
- 4 Answer any two of the following : 10
- (a) Enumerate various drugs showing abuse or addiction potential. Describe 'De-addiction' programme. 88
 - (b) Classify various types of Beta-lactams antimicrobial agents. Describe therapeutic uses and adverse effects of Penicillin. Enumerate various preparations of Penicillin G. 721, 719, 720, 718.
 - (c) Describe the short term regimen for treating tuberculosis. Mention at least one adverse drug reaction likely to be with each drug that you have mentioned. What advantages are expected when the treatment is under Direct Observation (DOTS)? 793, ... , 772.