



RAN-3715

Second Year M.B.B.S. Examination

July - 2020

Pharmacology : Paper - II

Time: 2 Hours]

[Total Marks: 40

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરપત્રી પર અવશ્ય લખવી.
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 - II

Subject Code No.:

3 7 1 5

Seat No.:

Student's Signature

Section - I

Q.1. Answer very briefly :

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- What is the rationale of using disulfiram in alcohol de-addiction programme?
- Explain why Penicillin G is lethal to bacterial cell but non toxic to human cells.
- Describe the difference between antiseptic and disinfectant. Give one example of each.
- Why is the duration of action of thiopentone sodium very short?
- What is superinfection? Name one drug that can cause superinfection.
- Which is the adverse effect of phenytoin that helps in adjusting its dose?
- Give two reasons for using propranolol in thyrotoxicosis.
- What is Mazzoti reaction? How is it managed?
- Justify : Imipenem is combined with cilastatin for its use in clinical practice.
- Mention advantages of liposomal amphotericin B.

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[P.T.O.]

Q.2. Answer any four :

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- Write the mechanism of action and side effects of ergotamine in migraine.
- Enumerate the advantages of human insulin over regular insulin.
- Give reason why despite a having a short half life, aminoglycosides are effective for long duration.
- Explain the pharmacological basis of using morphine in acute LVF.
- Explain the term 'additive effect' and 'supraadditive effect' in relation to combination of antimicrobials (AMA) giving suitable examples for each.

Section - II

Q.3. Answer any four of the following :

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- Describe the drug therapy of hepatic amoebiasis.
- Describe how tricyclic antidepressants are beneficial in a case of depression. How does fluoxetine differ from tricyclic antidepressants in this respect.
- Write a short note on the management of diabetic ketoacidosis.
- Briefly describe HAART in relation to HIV infection.
- Describe the mechanism of action, advantages and disadvantages of use of radioactive iodine in hyperthyroidism.

Q.4. Answer any two of the following :

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- Describe the therapeutic uses of glucocorticoids. Mention the adverse effects of prednisolone when used for long term therapy.
- Describe the pharmacotherapy of Parkinsonism.
- Describe the drug therapy of P- falciparum malaria.