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**SA-1566**  
**Second Year M. B. B. S. Examination**  
**February / March - 2011**  
**Pharmacology : Paper - II**

Time : Hours]

[Total Marks :

**Instructions :**

(1)

-[I] sa22ic-t      CIAI4icilun      r1A 41 LO. Fillup strictly the details of 0- signs on your answer book. Name of the Examination : O- <b>SECOND YEAR M. B. B. S.</b> Name of the Subject : O- <b>PHARMACOLOGY : PAPER - 2</b> • Subject Code No. <b>5</b> 6      0-Section No. (1, 2, ... ) : Nil
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Seat No. :

**771-10-17**

Student's Signature

- (2) Write to the point.
- (3) Draw diagram if necessary.
- (4) Give example if needed.

1 Answer the following :

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- (a) Mention two pharmacological properties of thiopental sodium which are responsible for rapid induction of general anesthesia.
- (b) Define minimum alveolar concentration in relation to general anesthesia.
- (c) Define minimum inhibitory concentration in relation to antimicrobial agent.
- (d) Why watch is kept on creatinine clearance, when gentamicin is used in an elderly patient ?
- (e) Treatment of mother with large doses of \_\_\_\_\_ reduces the incidence of respiratory distress syndrome in neonates delivered prematurely. (Fill in blank)
- (f) Mention two reasons for the use of potassium iodide in patient undergoing subtotal thyroidectomy.
- (g) Aspirin is potent analgesic and very useful in gout at low doses. Give your comment on this statement.
- (h) Oxytocin is given by slow IV infusion. Why ?
- (i) Triiodothyronine is more \_\_\_\_\_ and \_\_\_\_\_ acting than thyroxine. (Fill in the blank).

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- 2 Answer any **three** : 9
- Enlist various drugs for hyperthyroidism. Compare and contrast these drugs.
  - Enlist various drugs for anxiety. Describe the mechanism of action and clinical uses of benzociazepines.
  - Enlist various drugs from different categories for psychosis. Describe the mechanism of action and side effects of chlorpromazine.
  - Enlist various types of insulin preparations. Describe their onset, peak and duration of action.
  - Describe the mechanisms of action and toxicities of three different drug groups used in gout.
- 3 Answer any **four** : 12
- Enlist various general anesthetic agents. Discuss various factors affecting the speed and depth of anesthesia.
  - Enlist various drugs from different categories for Parkinson's disease. Describe the mechanism of action and side effects of Levodopa + Carbidopa.
  - Enumerate various synthetic estrogen compounds. Describe their therapeutic uses giving pharmacological basis.
  - Classify various drugs for amebiasis. Describe the mechanism of action, therapeutic uses and side effects of metronidazole.
  - Enlist various drugs for migraine. Describe side effects and contraindications of ergot derivatives.
- 4 Answer any **two** : 10
- Discuss the drug treatment of various sexually transmitted diseases.
  - Discuss various points which are considered while selecting an antibiotic.
  - Enumerate various tetracyclines. Describe pharmacodynamic and pharmacokinetic properties, side effects and clinical uses of drugs mentioned by you.