



DZ-4011

Second Year M. B. B. S. Examination

June / July - 2016

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

23

Instructions :

(1)

नीचे द्वांरिष निशानीयली विलतो उतरवली पर अवरय लभनी.  
 Fillup strictly the details of signs on your answer book.

Name of the Examination :  
 S.Y. M. B. B. S.

Name of the Subject :  
 PHARMACOLOGY : PAPER - 1

Subject Code No. : 4 0 1 1 Section No. (1, 2,.....) : Nil

- (2) Answers must be brief, precise and to the point.  
 (3) Always give suitable examples and draw figures where necessary.

1 Answer very briefly :

- (a) Mention the mode of administration of atropine in organophosphorus poisoning.
- (b) Mention the exact time of omeprazole administration.  
 Give the reason for the same.
- (c) Why oral iron therapy is required to be given for a long time in a patient of iron deficiency anemia?
- (d) Mention one limitation of a drug with long half-life and type of dose which can overcome this limitation.
- (e) What are drug compendia? Give two examples of official compendia.
- (f) Enlist two advantages of LMWH administration over HMWH.
- (g) Give two reasons of importance of Zinc supplementation in pediatric diarrhoea.
- (h) Name two antitussives used for productive cough.
- (i) Write four uses of carbonic anhydrase inhibitors except diuretic use.

9/5

CA - gamma  
 - epilepsy  
 - CO<sub>2</sub> - m...  
 - CO<sub>2</sub>

2 Answer any three :

- (a) Write a short note on apparent volume of distribution and its clinical significance.
- (b) Describe the mechanism of action of metoclopramide. Enumerate their therapeutic uses and adverse effects.
- (c) Write a short note on myasthenia gravis.
- (d) Write in brief about therapeutic uses of atropine substitutes giving pharmacological basis.

$\frac{9}{6}$

3 Answer any four :

- (a) Enumerate therapeutic uses of ACE inhibitors. Explain the rationale for combining them with angiotensin receptor blockers.
- (b) Which are the advantages of plotting log DRC? Write in detail about drug potency, drug efficacy and drug selectivity using the concept of DRC (Use figures maximum).
- (c) Write a note on rational drug prescribing.
- (d) Enumerate drugs used in bronchial asthma. Write a short note on leukotriene antagonists.
- (e) Write down the adverse effects and uses of loop diuretics.

$\frac{12}{6}$

4 Answer any two :

- (a) Describe the various properties of  $\beta$  adrenergic blocking drugs with clinical pros and cons. Describe their therapeutic uses giving proper pharmacological basis.
- (b) Classify drugs used in congestive heart failure. Describe the mechanism of action, adverse effects and current clinical status of inotropic agents.
- (c) Enlist various drugs from different categories for hypertension. Describe the general principles of antihypertensive drug therapy as per JNC 7<sup>th</sup> report.

$\frac{10}{6}$