

27.05.2017

Total No. of printed pages = 4

PY 132803

Roll No. of candidate

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2017

B. Pharm 8th Semester End-Term Examination

**CLINICAL PHARMACY AND
THERAPEUTICS**

Full Marks-100 Pass Marks-35 Time-Three hours

The figures in the margin indicate full marks
for the questions.

1. A. Answer the following questions : $1 \times 8 = 8$

- (a) Write the mechanism of action of acarbose in the treatment of diabetes mellitus.
- (b) Write the roles of vitamin E.
- (c) The main adverse effect of paracetamol is _____.
- (d) Salbutamol is a functionally selective _____ receptor agonist.

[Turn over

- (e) _____ cells are target cells for HIV virus.
- (f) What do you mean by WWHAM method of consultation ?
- (g) What is the plasma drug concentration of Phenytoin ?
- (h) Name two drugs which cause concentration dependent toxicity.

B. Match the following : 1×4=4

GROUP-A

GROUP-B

- | | |
|---------------------|---------------------------------|
| (i) Frusemide | (a) β adrenergic blocker. |
| (ii) Propranolol | (b) Diuretics. |
| (iii) Ranitidine | (c) Ulcerative colitis. |
| (iv) Sulphasalazine | (d) H_2 receptor blocker. |

2. Answer any *six* of the following questions:

3×6=18

- (a) Briefly describe the complications of diabetes mellitus.
- (b) Write briefly about biochemical data.
- (c) Briefly describe the management of Epilepsy.
- (d) Write briefly on rational drug use.

- (e) Briefly describe about epidemiological methods in adverse drug reaction detection.
- (f) Briefly describe about the management of angina pectoris.
- (g) Briefly write about the Aetiology of Coronary heart disease.

3. Answer any *eight* of the following questions :

5×8=40

- (a) Describe briefly about the etiopathogenesis and management of urinary tract infection.
- (b) Briefly describe the therapeutic drug monitoring of antiepileptic drug.
- (c) Briefly describe the different types of Anemias. Write a brief note on management of iron deficiency anemia.
- (d) Describe briefly about etiopathogenesis and management of Gout.
- (e) Briefly describe the factors affecting susceptibility to adverse drug reactions.
- (f) Describe the pathogenesis and clinical manifestations of peptic ulcer.

- (g) Briefly describe the management of ulcerative colitis.
- (h) Briefly describe the non-pharmacological approaches for the management of hypertension.
- (i) Write a note on COPD patient care.

4. Answer any *three* of the following questions :

10×3=30

- (a) Define drug interaction. Describe elaborately on mechanism of drug interaction with specific examples.
- (b) Describe elaborately on Aetiology, Clinical aspects, Diagnosis and Management of Tuberculosis.
- (c) Describe elaborately on Aetiology, Pathophysiology, Clinical manifestations and Management of Leukaemia.
- (d) Describe elaborately on Aetiology, Clinical manifestations and Management of Liver cirrhosis.