

PARUL UNIVERSITY
FACULTY OF PHARMACY

M. Pharm. Supplementary Examination, November-2017

Year: 1**Date: 09/11/2017****Subject Code: 08204102****Time: 10:00am to 1:00pm****Subject Name: Advance in Pharmacology and Pharmacotherapeutics****Total Marks: 75****Instructions:**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Classify recent oral hypoglycemic agents and explain mechanism of action of Glimepiride and Pioglitazone. Discuss pathophysiology and management of type 2 diabetes mellitus. Enumerate various complications of diabetes mellitus and describe any one in detail.
2. Describe causes, sign and symptoms, pathophysiology and diagnosis of atherosclerosis. Discuss applications of statins in management of hyperlipidemia.
3. Discuss etiopathogenesis involved in inflammatory bowel disease and its management. What is difference between crohn's disease and ulcerative colitis?

Q.2 Short Essay Type Questions. (any 5 out of 6) (5 Mark Each) (25)

1. Classify anticancer agents. Write about cytotoxic antibiotics.
2. Classify various types of schizophrenia. Describe various hypothesis explaining the pathophysiology of schizophrenia.
3. Discuss etiology and recent treatment of epilepsy.
4. Describe the JNC-VII guidelines for diagnosis and management of hypertension.
5. Describe mechanism of action, spectrum of activity, therapeutic uses and adverse effects of Streptomycin.
6. Write causes, diagnostic procedures and management of acute renal failure.

Q.3 Short Answers. (2 Mark Each) (20)

1. Explain molecular mechanism of apoptosis.
2. Define microbial resistance and Drug dependence.
3. Edrophonium is used in differential diagnosis of Myasthenia Gravis – comment.
4. What is difference between tetracycline and moxifloxacin?
5. Write the mechanism of action of Cotrimoxazole.
6. Write therapeutic uses of anticholinesterases.
7. Discuss adverse effects of Chloramphenicol.
8. Write therapeutic uses of drugs inhibiting DNA gyrase.
9. Write name of P-glycoprotein Substrates and Inhibitors.
10. What is role of adenosine in sleep?