

B.P. 3rd Sem. (ASTU) - 01.12.15

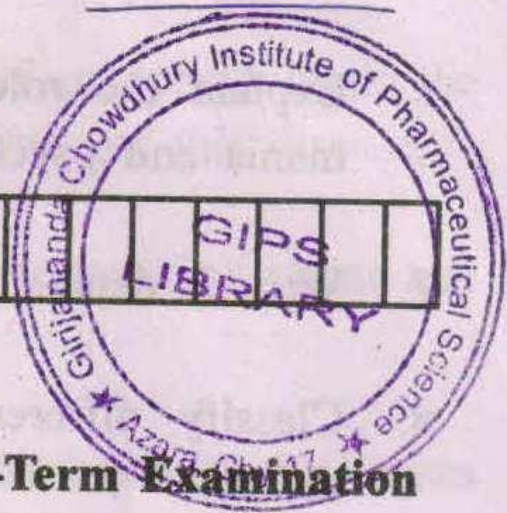
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Roll No. of candidate

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2015



B. Pharm 3rd Semester End-Term Examination
PATHOPHYSIOLOGY OF COMMON DISEASES

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

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

GROUP - A

Answer any *ten* questions. 3×10=30

1. Describe the causes of cell irreversible cell injury.
2. What is apoptosis ? Describe the molecular mechanism of apoptosis.
3. Write in brief about the mediator of inflammation.
4. Explain in details about the pathogenesis of fatty changes occur in fatty liver.
5. Differentiate between sign, symptoms and etiology of a disease.

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6. Explain the role of bio-amines in depression, mania and psychosis.
7. Write in details about the pathogenesis of colitis.
8. Classify different types of viral hepatitis in details.
9. Write briefly the etiopathogenesis of gout.
10. How autoimmune destruction of joints occurs in rheumatoid arthritis ?
11. Write briefly about the commonest types of neoplasm.
12. Write a short note on the branches of pathology.

GROUP - B

Answer any *eight* questions. 4×10=40

1. Classify different types of anemia. Describe the clinical feature and pathogenesis of hemolytic anemia.
2. Write the name of the causative organism, types, clinical feature of Syphilis.

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3. Briefly outline the types of epilepsy. Explain the pathogenesis, clinical feature of this disease.
4. Write briefly about the pathogenesis of acute and chronic renal failure.
5. Write a note on Molecular basis of the causes of Cancer.
6. Define the terms with examples : Atrophy, Hypertrophy, Hyperplasia, Metaplasia and Displasia.
7. Describe briefly about the mechanism of repair.
8. Differentiate between chronic and acute inflammation.
9. Give an outline about different types of Lukemias with brief description of their etiopathogenesis.
10. Write down the pathogenesis of Asthma.
11. Describe in details about dry and wet gangrene.
12. Explain in brief about the pathogenesis of congestive heart failure and myocardial infarction.

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GROUP – C

Answer *all* the questions.

1. Define the term cell injury. Describe in brief the etiology, pathogenesis of cell injury. Write the mechanism of rolling of macrophage at the site of inflammation. 6+4=10

2. (a) Write brief note on etiology and pathogenesis of Atherosclerosis.

- (b) Differentiate between type-I and type-II Diabetes Mellitus. Discuss briefly sign, symptoms and complications of Diabetes Mellitus.

- (c) Write a short note on DOTS therapy. 3+4+3=10

3. Write briefly about etiology, pathogenesis of the following diseases :
 - (a) Angina Pectoris
 - (b) AIDS
 - (c) Hypertension. 3+4+3=10