

[LE 105]

APRIL 2014

Sub. Code: 2000

**M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE**

APPLIED BASIC SCIENCES IN GENERAL MEDICINE

Q.P. Code :202000

Time : Three Hours

Maximum : 100 marks

Write Notes on :

I. ANATOMY: (4X5=20)

1. Anatomy of cavernous sinus and its lesions.
2. Speech centre and its lesions.
3. Portal hypertension.
4. Cauda equina and its lesions.

II. PHYSIOLOGY: (4X5=20)

1. Coagulation cascade.
2. Surfactant.
3. ACE inhibition.
4. Ventricular remodeling.

III. BIO-CHEMISTRY: (3X5=15)

1. Markers of acute kidney injury.
2. ABG in respiratory diseases
3. Evaluation of Wilsons diseases.

IV. PHARMACOLOGY: (3X5=15)

1. Drug therapy of resistant hypertension.
2. Newer antidepressants.
3. Tolvaptan.

V. PATHOLOGY: (3X5=15)

1. Alcoholic liver injury.
2. Pathologic changes in Alzheimers disease.
3. Pathology of acute lung injury.

VI. MICROBIOLOGY: (3X5=15)

1. Serological diagnosis of HIV infection.
2. Diagnosis of leptospirosis.
3. Proinflammatory cytokines.
