



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 150203

Roll No.

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B.Pharm.

(SEM II) THEORY EXAMINATION, 2014-15
ANATOMY, PHYSIOLOGY AND PATHOPHYSIOLOGY-II

Time : 3 Hours]

[Total Marks : 70

Note: All questions are compulsory. Add figure where necessary

SECTION - A

Very Short Questions : Attempt all :

1×14=14

- (1) Name the ECG waves associated with emotional stress.
- (2) Precursor cell for erythropoiesis is _____.
- (3) Insulin secreting cell of pancreas is _____.
- (4) Glomerulus is more permeable than other blood capillaries of the body. T/F
- (5) Most commonly absorbed ions into the blood during the process of selective reabsorption.
- (6) Enlist the organs that form alimentary canal.
- (7) Which cranial nerve is widest in its distribution?
- (8) Define acute and chronic.

- (9) The 2 hemispheres of cerebrum are connected with a mass of white fibres known as _____.
- (10) Major neurotransmitter associated with sympathetic nervous system is _____.
- (11) Function of prothrombinase in phenomenon of blood coagulation is _____.
- (12) Phagocytic cells found in kidney are _____
- (13) Fan shaped structure that join the small intestine with the posterior abdominal cavity is _____.
- (14) Define hypersensitivity with a suitable example.

SECTION - B

Short Questions : **(Attempt any 6)**

6×4=24

- (1) Explain the process of neurohumoral transmission across the nerves.
- (2) Write an exhaustive note on reflex action.
- (3) Enlist the location and function of cranial nerves.
- (4) Enumerate all the pressures involved in the process of glomerular filtration.
- (5) Explain the formation and maturation of erythrocytes.
- (6) Enumerate the symptoms and treatment of the diseases of GIT associated with alcoholism.
- (7) Explain the functional unit of kidney with the help of a well labeled diagram.
- (8) Explain the phases of regulation of gastric secretion.

SECTION - C

Long Questions : (Attempt any 4)

4×8=32

- (1) Write the parts of Brain and explain cerebrum and its functions in detail.
 - (2) Enlist all the clotting factors and explain the phenomenon of blood coagulation.
 - (3) Explain the physiology of Urine formation in detail.
 - (4) Explain the anatomy of stomach with the help of a well labeled diagram and also explain the types of cells in gastric gland.
 - (5) Explain anatomy and effects (on body organs) of sympathetic nervous system.
 - (6) Give the etiology, symptoms and treatment of **any four:**
 - (a) Peptic Ulcer
 - (b) Hepatitis
 - (c) Anemia
 - (d) UTIs
 - (e) Cirrhosis
 - (f) Ulcerative colitis
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