

7th May, 13

7/5/13

24 : 1st half. 13-AM(I)

Con. 3874-13.

Anatomy, Physiology & Pathophysiology - IV
Sem - IV (Regular)
Sem IV (Rev.) Reg. A.P.P. - IV
(REVISED COURSE)

DC-7096

(2 Hours)

[Total Marks : 40

- N.B. :** (1) Question No. 1 is **compulsory**.
(2) Attempt any **four** questions out of remaining **five** questions.
(3) Draw **diagrams** wherever **necessary**.

1. (a) Draw a neat, labeled diagram of filtration membrane. 4
(b) Explain the following terms (any **two**) :— 4
 - (i) Net Filtration Pressure
 - (ii) Varicose Veins
 - (iii) Cardiac Output.
 2. Discuss the pathophysiology of (any **two**) :— 8
 - (a) Cardiac Arrhythmia
 - (b) Chronic Renal Failure
 - (c) Angina Pectoris.
 3. With the help of normal ECG, explain Significance of Waves and Segments. Give co-relation of ECG with cardiac cycle. 8
 4. (a) Explain various antiporter and symporter systems operating in kidney with suitable examples. 4
(b) Discuss the internal structure of a vein with a neat, labeled diagram. 4
 5. (a) Explain Role of Renin-Angiotensin-Aldosterone system. 4
(b) Give an account of Glomerular filtration. 4
 6. (a) Explain the conduction system of Heart. 4
(b) Explain in detail pathophysiology of Renal Calculi. 4
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