

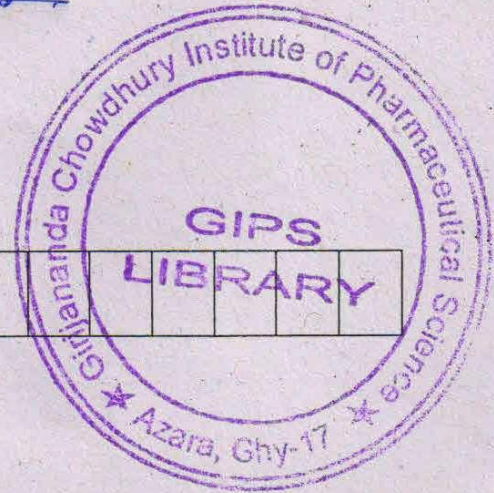
08-12-17 (Reg)

Total No. of printed pages = 3

PY 132309

Roll No. of candidate

--	--	--	--	--	--	--	--	--	--



2017

B.Pharm. 3rd Semester End-Term Examination

PATHOPHYSIOLOGY OF COMMON DISEASES

Full Marks – 100

Time – Three hours

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

Answer question no. 1 and any six from the rests.

(10 × 1 = 10)

1. (a) There are _____ types of cell in our body according to their ability to proliferate.
- (b) Integrin is a part of _____.
- (c) Fibronectin is a part of _____.
- (d) The level of _____ is diminished at the region of substantia nigra in IPD.
- (e) p_{53} is a _____ gene.
- (f) Amongst the Prostaglandins, _____ is a potent tissue mitogen.
- (g) Thymic Stromatal Lymphocyte plays a major role in _____ pathogenesis.

[Turn over

- (h) Azeurophilic granule is seen in _____.
- (i) The expansion of CDK, associated with cell cycle is _____.
- (j) Tall Like Receptor is associated with _____.

2. Write short notes on any three of the followings and draw the necessary diagrams where ever necessary :
(a) Integrins (b) Rolling of leukocytes (c) Carbon Tetra Chloride (CCl_4) induced cell injury (d) Role of Prostaglandins in Acute inflammation. ($3 \times 5 = 15$)

3. Mention the physiological roles of the followings (any five) : (a) Fibroblasts (b) Macrophages (c) Hyaluronic acid (d) Collagen (e) Transitional epithelium (f) Leukotrienes (g) Histamine. ($5 \times 3 = 15$)

4. (a) Classify Asthma according to PEFR (Peak Expiratory Flow Rate) value. What is classic triad in Asthma? Write in detail about the histopathology of Atopic type of Asthma.

(b) Write down the role of Dopamine in Schizophrenia. ($1 + 1 + 10 + 3 = 15$)

5. Write a short note on any three of the followings mentioning the molecular basis of the disease where ever necessary (a) Ulcerative Colitis (b) Scizophrenia (c) Epilepsy (d) Liver Cirrhosis (e) Myocardial Infarction. ($3 \times 5 = 15$)

6. (a) Write in detail about the role of Renin-Angiotensin-Aldosterone Axis in maintaining the blood pressure.
- (b) Write down the process of Leucocyte activation mentioning Recognition, Attachment, Engulfment and Digestion. (7 + (4 × 2) = 15)
7. (a) Write in detail about the inter and intracellular bio signaling pathway.
- (b) Write down the role of kininogens in acute and chronic inflammation. (9 + 6 = 15)
8. What is Rheumatoid Arthritis? How does it differ from Osteo arthritis and Gout? Mention the diagnostic test for it. Write down the pathophysiology of Rheumatoid Arthritis. (2 + 4 + 4 + 5 = 15)
9. Write down the difference between Healing of wound by First intention and second intention. Write down the pathophysiology of Malignant tumor and STD. (2 + 8 + 5 = 15)
-