Graphic Era
HILL UNIVERSITY
Established by an Act of the State Legislature of Uttarakhand (Adhiniyam Sankhya 12 of 2011)
University under section 2(f) of UGC Act, 1956

Sessional II (Even) Semester Examination, May 2025

Roll no...............................

Name of the Course and semester: **B.Pharm. II**
Name of the Paper: **Pathophysiology (Theory)**
Paper Code: **BP 204 T**
Time: **1hour 30minutes**

Maximum Marks: 30

Note:

(i) This question paper contains three sections.
(ii) All the questions are compulsory.

Section-A

Q1. Multiple Choice Questions – Attempt all questions   **(10 X 1 = 10 Mark)**

a) What is the most common cause of iron deficiency anemia worldwide?   **(CO3)**
   - i. Vitamin D deficiency
   - ii. Blood loss
   - iii. Excessive iron intake
   - iv. Dehydration

b) Which group is at the highest logical risk for developing iron deficiency anemia? **(CO3)**
   - i. Elderly men with sedentary lifestyle
   - ii. Young women with heavy menstrual bleeding
   - iii. Middle-aged athletes
   - iv. Teenagers who eat a balanced diet

c) If the dopamine concentration is decreasing in nigrostriatal region, then which neurological diseases occur?   **(CO3)**
   - i. Schizophrenia
   - ii. Dementia
   - iii. Parkinson Disease
   - iv. Alzheimer's Disease

d) Insulin Dependent Diabetes Mellitus (IDDM) is also referred as.................Diabetes. **(CO3)**
   - i. Type I
   - ii. Type II
   - iii. Type IV
   - iv. Type 0

e) Which condition arise when *Helicobacter Pylori* adhering to stomach lining and causing inflammation and erosion of the mucosal lining?   **(CO3)**
   - i. Peptic Ulcer
   - ii. Goblet Cell Ulcer
   - iii. GERD
   - iv. Gastrointestinal cancer

f) When lesions starting from terminal ileum proceed till small intestine in skipped manner which condition is known as...... **(CO4)**
   i. Crohn's Disease
   ii. Inflammatory Bowel Disease
   iii. Intestinal Cancer
   iv. Ulcerative Colitis

g) Which hepatitis will cause due to the virus having Surface Antigen and Core Antigen? **(CO4)**
   i. Hepatitis A
   ii. Hepatitis B
   iii. Hepatitis C
   iv. Hepatitis D

h) Identify the Benign Cancer. **(CO4)**
   i. Adhered to One place of Occurrence
   ii. Migrate to another place
   iii. Target different areas and affect those areas
   iv. Cell Specific Occurrence

i) If a person is having joint pain and diagnosed with autoimmunity development which condition will arise? **(CO4)**
   i. Gout
   ii. Rheumatoid Arthritis
   iii. Osteoporosis
   iv. Osteoarthritis

j) How many days it will days to convert Acute to chronic Hepatitis? **(CO4)**
   i. 40-60
   ii. 35-65
   iii. 25-35
   iv. 40-55

Section B

Q. 2 Short Questions: Attempt any two questions $\qquad$ (2X 5 = 10 Marks)

a. Elucidate the Iron Deficiency & Sickle Cell Anemia in Brief with neat and labelled diagram. **(CO3)**

b. If 6-year-old boy belongs to Punjabi Family having lack of globin, swelling in the face, broaden mandible and out bursting of eyes is diagnosed. Explain the globinopathy with well labelled diagram. **(CO3)**

c. Elaborate the Basic pathology of Hepatitis along with well labelled flowchart & diagram? **(CO 4)**

Section C

Q. 3 Long questions: Attempt any one question $\qquad$ (1X10 = 10 Marks)

a. A patient is diagnosed with reduced Tau Protein & disrupted Amyloid Protein in neuronal membrane, Elaborate the pathological condition with examples and well labelled diagram? **(CO3)**

b. Explain Inflammatory Bowel Disease (Crohn's Disease & Ulcerative Colitis) in tabular Form highlighting Definition, Pathophysiology, Area Affected & clinical symptoms? **(CO4)**