

Roll No.

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**B. PHARMA. (Second Semester)
EXAMINATION, May-June, 2022
Paper Fourth
Pathophysiology**

*Time : Three Hours]**[Maximum Marks: 75***Note- Attempt all sections as directed.**

**Section - A
(Objective/Multiple Type Questions)**

(2 marks each)**Note-Attempt all the questions.**

1. Apoptosis is alternatively called as-
- (A) Ischemic cell death
 - (B) Programmed cell death
 - (C) Post traumatic cell death
 - (D) All of the above

2. What are early signs and symptoms of rheumatoid arthritis (RA)?
- (A) Joint pain, tenderness, redness, and swelling
 - (B) Loss of joint range of motion
 - (C) Limping
 - (D) All of the above
3. Rise in the carotid sinus pressure leads to
- (A) Reflex hypercapnia
 - (B) Reflex hyperpnea
 - (C) Reflex bradycardia
 - (D) Reflex tachycardia
4. Duration of the absolute period, i.e., when the whole of heart is in diastole is
- (A) 0.2 seconds
 - (B) 0.1 seconds
 - (C) 0.4 seconds
 - (D) 0.7 seconds
5. The uterine artery is a branch of
- (A) Common iliac artery
 - (B) External iliac artery
 - (C) Internal iliac artery
 - (D) Descending aorta

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6. Which of the following vitamins has the closest relationship with blood
- (A) A
 - (B) D
 - (C) K
 - (D) E
7. Which of the following is a chronic respiratory disorder caused by smoking?
- (A) Asthma
 - (B) Emphysema
 - (C) Respiratory alkalosis
 - (D) Respiratory acidosis
8. This is not a function of insulin
- (A) Decreasing glycogenolysis
 - (B) Lipogenesis
 - (C) Gluconeogenesis
 - (D) Glycogenesis
9. This is cancerous state of blood
- (A) Uremia
 - (B) Chloremia
 - (C) Leukemia
 - (D) Proteinemia
10. Effects of hypothyroidism include all but this
- (A) Diarrhoea
 - (B) Lethargy
 - (C) Anorexia
 - (D) Weight gain

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P.T.O.

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Section - B
(Long Answer Type Questions)

(10 marks each)

Note : Attempt any two questions. Each question carries 10 marks

1. Differentiate between rheumatoid arthritis, osteoporosis and gout.
2. Define inflammation. What are the different type of inflammation and clinical significance of inflammation?
3. Define Sexual transmitted disease explain with the help of any two examples.
4. Discuss etiology and pathogenesis of cancer.

Section-C

(Short Answer Type Questions)

(5 marks each)

Note- Attempt any seven questions. Each question carries 5 marks

1. What are the main causes of cellular injury?
2. Enlist nervous system disorder. Explain any of two disorder.
3. Differentiate between acute and chronic renal failure
4. What is pathophysiology of atherosclerosis.
5. How can we prevent infectious diseases?
6. What is the difference between atrophy and hypertrophy?
7. How does diabetes affect glucose metabolism?
8. Discuss in detail about Parkinson disease.
9. Define hematological disorders give a note on megaloblastic and Sickle Cell anaemia.

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