

Total No. of printed pages = 4

Bina Chowdhury Central Library
Girijananda Chowdhury University
Hatkhowapara, Azara, Ghy-17

BP 204 T

Roll No. of candidate

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

2023

B.Pharm 2nd Semester End-Term Examination

PATHOPHYSIOLOGY

Full Marks – 75

Time – Three hours

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

1. Answer all the questions. (20 × 1 = 20)
- (i) Replacement of adult epithelium by another adult epithelium is known as
- (a) Dysplasia (b) Hyperplasia
- (c) Metaplasia (d) Atrophy
- (ii) Silent myocardial infarction can occur in
- (a) Hypertensive patient (b) Diabetic patient
- (c) Hypotensive patient (d) All of the above
- (iii) In atherosclerosis, the most affected artery is
- (a) Pulmonary artery (b) Coronary artery
- (c) Hepatic artery (d) Renal artery
- (iv) All the following are risk factors of primary hypertension except
- (a) Low intake of salt (b) Age
- (c) Stress (d) Hyperinsulinemia

[Turn over

(xii) HIV target

- (a) CD4
- (b) GP120
- (c) Lymph nodes
- (d) All of the above.

(xiii) Types of angina which is predictable

- (a) Stable angina
- (b) Variant angina
- (c) Unstable angina
- (d) All of the above.

(xiv) Gouty attack is due to

- (a) Hyperuricaemia
- (b) Formation of pannus
- (c) Decrease bone density
- (d) Decrease oestrogen level.

(xv) Meningitis is trigger by the following except:

- (a) Lupus
- (b) Congenital spina bifida
- (c) Skull fracture
- (d) Invasion of M cells.

(xvi) Maculopapular rash is a symptoms of

- (a) Primary syphilis
- (b) Secondary syphilis
- (c) Tertiary syphilis
- (d) Congenital syphilis

(xvii) Foam cells are

- (a) Monocytes
- (b) Monocytes phagocytize lipoproteins
- (c) Macrophages
- (d) None of the above

(xviii) Thromboxane A₂ is responsible for

- (a) Platelet adhesion
- (b) Vasoconstriction
- (c) Activation of coagulation cascade
- (d) Formation of fibrin clot.

(xix) Kussmaul respiration is a condition seen in

- (a) Type I DM
- (b) Type II DM
- (c) Gestational DM
- (d) Diabetic ketoacidosis

(xx) All are correct for hyperthyroidism except:

- (a) Caused by Graves' disease
- (b) Increase basal metabolic rate
- (c) Severe tachyarrhythmia
- (d) Hair loss

II. Answer any seven from the following questions: (7 × 5 = 35)

- (a) Explain the basic principles of wound healing with proper explanation of different phases?
- (b) What is angina pectoris? Explain in detail the types of angina pectoris?
- (c) Explain in detail the causes of pre-renal and post-renal kidney diseases?
- (d) What is haemophilia? Explain in brief the cause, symptoms and treatment?
- (e) What is Diabetes Mellitus and explain it with its types and list the diagnosis parameters for Diabetes mellitus?
- (f) What is the causes of Gout and what is the treatment strategy for Gout?
- (g) What is Leprosy? Explain its pathogenesis and its treatment?
- (h) Briefly explain the causes, symptoms and treatment of Hypothyroidism and Hypothyroidism.
- (i) Explain in brief about different inflammatory mediations of human body.

III. Answer any two from the following questions: (2 × 10 = 20)

- (a) What is Apoptosis? Explain in detail the mechanism involved in Apoptosis?
- (b) What is Parkinson's Disease and briefly explain its pathogenesis? What is Alzheimer disease and explain in detail how plaques and tangles is formed in AD?
- (c) What is cellular adaptations? Explain in detail how cell can adapt themselves by undergoing different conditions?