

BP 204 T

23/03/22

Roll No. of candidate

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2022

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 the following questions : (20 × 1 = 20)
- (i) Alzheimer's Disease involves the presence of:
- (a) A β proteins
 - (b) Tau proteins
 - (c) Both (a) and (b)
 - (d) None of the above
- (ii) Common Symptoms of Meningitis does not include:
- (a) Neck stiffness
 - (b) Photophobia
 - (c) Fever
 - (d) Hepatomegaly
- (iii) Christmas Disease is also known as:
- (a) Hemophilia A
 - (b) Hemophilia B
 - (c) Hemophilia C
 - (d) Parahemophilia

- (iv) Disorder of Purine Metabolism causes
- (a) Gout
 - (b) Rheumatoid Arthritis
 - (c) Rickettsia
 - (d) Osteoporosis
- (v) Urinary tract infection does not include:
- (a) Cystitis
 - (b) Urethritis
 - (c) Pyelonephritis
 - (d) Periodontitis
- (vi) Stages of ALD does not include:
- (a) Alcoholic steatosis
 - (b) Alcoholic melanoma
 - (c) Alcoholic hepatitis
 - (d) Alcoholic cirrhosis
- (vii) Type-I DM is caused by:
- (a) Destruction of cells
 - (b) Low production of β -cells
 - (c) Both (a) and (b)
 - (d) None of the above
- (viii) Fusion of bones in Rheumatoid Arthritis is called:
- (a) Anylosis
 - (b) Ankylosis
 - (c) Anilosis
 - (d) Amylosis
- (ix) Cardinal Sign and Symptoms of Parkinson's Disease includes:
- (a) Resting Tremor and bradykinesia
 - (b) Rigidity and postural instability
 - (c) Both (a) and (b)
 - (d) Only (a)
- (x) Hemorrhagic stroke occurs due to
- (a) Rupture of blood vessels within the brain
 - (b) Rupture of blood vessels within the heart
 - (c) Rupture of blood vessels within the kidney
 - (d) None of the above

- (xi) IL-6 is an example of:
- (a) Malignancy
 - (b) Cytokines
 - (c) Hormones
 - (d) Amines
- (xii) Upper urinary tract infection may include:
- (a) Urethra
 - (b) Ureter
 - (c) Urinary Bladder
 - (d) Prostate glands
- (xiii) Dysplasia means:
- (a) Increase in size of cell
 - (b) Increase in number of cells
 - (c) Both (a) and (b)
 - (d) None of the above
- (xiv) Atopic asthma is caused by
- (a) Allergens
 - (b) Drugs
 - (c) Chemicals
 - (d) Water
- (xv) The following are the Genes responsible for Cancer except:
- (a) DNA repair gene
 - (b) Mucogenes
 - (c) Tumor Suppressor genes
 - (d) Proto-oncogenes.
- (xvi) Cause of 80-90% of UTI is due to _____ infection:
- (a) E coil
 - (b) *Streptococcus aurus*
 - (c) *Hemophilus infiuenzae*
 - (d) *Mycobacterium leprae*
- (xvii) When malignant tumors lack differentiation, they are usually termed as:
- (a) Metaplasia
 - (b) Angiogenesis
 - (c) Anaplasia
 - (d) Dysplasia
- (xviii) Conversion of Alcohol to Acetaldehyde during alcohol metabolism is catalyzed by:
- (a) Alcohol hydrogenase
 - (b) Alcohol dehydrogenase
 - (c) Aldehyde dehydrogenase
 - (d) None of the above

(xix) Barrel chest is seen in:

- (a) Asthma
- (b) Emphysema
- (c) Chronic Bronchitis
- (d) Leukemia

(xx) In Malignant Hypertension the Blood Pressure is:

- (a) $>160/>100$ mmHg
- (b) $140-159/90-99$ mmHg
- (c) $>140/<90$ mmHg
- (d) $>200/>140$ mmHg

2. Answer any seven

(7 × 5 = 35)

- (a) Explain in brief about the mediators of inflammation. (5)
- (b) What is CHF? Mention the etiopathogenesis of CHF. (1+4=5)
- (c) Define Asthma and COPD? What is the pathophysiological mechanism of Asthma. (2+3=5)
- (d) Define diabetes. Mention the pathogenesis of IDDM and NIDDM. (1+4=5)
- (e) Write short notes on any one (5)
 - (i) Leprosy
 - (ii) Typhoid
- (f) Write in brief about the autoregulation of hypertension in our body. (5)
- (g) What do you mean by inflammatory bowel disease? Write in brief about the mechanism of IBD. (1+4=5)
- (h) Explain in brief about the etiopathogenesis of the following disease. (any one) (5)
 - (i) Parkinson Disease.
 - (ii) Schizophrenia
- (i) What do you mean by gout? Explain the etiopathogenesis of Gout. (1+4=5)

3. Answer any two

(2 × 10 = 20)

- (a) What do you mean by cell injury? Briefly explain about etiology and pathogenesis of cell injury. (2+8=10)
- (b) Define neoplasia. Write in brief about etiopathogenesis of cancer. (2+8=10)
- (c) What is Anaemia? Explain about different types of anaemia in brief. (2+8=10)