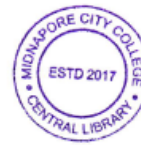


The West Bengal University of Health Sciences
B.Sc. in Medical Microbiology 5th Semester March - April, 2026
Examination

Subject : General Pathology



Time : 2 hrs.

Full Marks : 50

Attempt all questions

10 x 1

1. Tick the correct answer :

- a) Clostridium perfringens causes :
 i) Dry gangrene. ii) Wet gangrene. ~~iii) Gas gangrene.~~ iv) Atherosclerosis.
- b) Which molecule helps in the activation of WBC for migration?
~~i) PECAM.~~ ii) C9. iii) C1. iv) None of these.
- c) Pus cells are :
 i) Neutrophils. ii) Basophils. ~~iii) Dead neutrophils.~~ iv) Dead mast cells.
- d) Beriberi occurs due to deficiency of :
~~i) Vitamin B1.~~ ii) Vitamin B2. iii) Vitamin B3. iv) Vitamin C.
- e) In acute inflammation which event occurs first :
 i) Arteriolar dilatation. ~~ii) Arteriolar constriction.~~
 iii) Oedema. iv) Leucocyte migration.
- f) Example of caseous necrosis :
 i) Ischemia. ii) Type III hypersensitivity. ~~iii) Tuberculosis.~~ iv) None of these.
- g) Macrophages are derived from :
~~i) Monocytes.~~ ii) T-cells. iii) B-cells. iv) Eosinophils.
- h) The chemical carcinogen for hepatoma is :
~~i) Aflatoxin.~~ ii) Benzene. iii) Asbestos. iv) Arsenic.
- i) Chronic inflammation is :
 i) Always preceded by acute inflammation.
 ii) Characterised by hyperemia, oedema and leukocyte infiltration.
 iii) Most frequently results in resolution.
 iv) The factors underlying monocyte infiltration are the same as for acute inflammation.
- j) The clinical combination of dermatitis, diarrhea, and dementia resulting from a deficiency of niacin is referred to as :
 i) Beriberi. ii) Marasmus. ~~iii) Pellagra.~~ iv) Rickets.

2. Answer **any four** of the following questions :

4 x 2

- a) What do you mean by reversible and irreversible injury?
~~b) Write the differences between exudate and transudate.~~
~~c) What is hyperplasia, hypertrophy and atrophy?~~
 d) Write the differences between acute and chronic inflammation.
~~e) What is granulomatous inflammation?~~
~~f) Define pyknosis, karyorrhexis and karyolysis.~~

3. Answer **any four** of the following questions :

4 x 4

- ~~a) Write down the causes of carcinogenesis.~~
 b) What is hyperemia? Write its symptoms.
~~c) What do you mean by healing by first and second intentions?~~
~~d) What do you mean by dry and gas gangrene?~~
~~e) Write briefly about types of shock.~~
 f) Write the cause and feature of the keratomalacia and mention the diagnostic process of it.

4. Answer **any two** of the following questions :

2 x 8

- ~~a) What is free radical injury? Briefly describe coagulative necrosis.~~
 b) Describe embolism. 3+5
~~c) Write down the vascular changes that occur in acute inflammation.~~

P. Stein
5/9/2022

