

Question Paper

Exam Date & Time: 10-Jul-2023 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Pathophysiology [PPR-BP204T-S1]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) Which of the following is programmed cell death in the cell injury? (1)
- [Apoptosis](#)
 - [Necrosis](#)
 - [Purification](#)
 - [Ischemic Injury](#)
- 2) Which of the following is an example for preformed element in the inflammation process? (1)
- [Prostaglandins](#)
 - [Nitric Oxide](#)
 - [Histamine](#)
 - [Free radicals](#)
- 3) Tumor of inflammation is due to----- (1)
- [Increased vascular permeability](#)
 - [Vasoconstriction](#)
 - [Vasodilation](#)
 - [Tissue damage](#)
- 4) Cell Injury associated with reduction in blood flow to the site to which it supply called as ----- (1)
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- [Reversible cell Injury](#)
 - [Ischemic Injury](#)
 - [Apoptosis](#)
 - [Necrosis](#)
- 5) Agents acting as chemotactic substances for different leucocytes in the process if inflammation ----- (1)
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- [Chemokines](#)
 - [Neutrophils](#)
 - [Macrophages](#)
 - [Complimentary activating factor](#)
- 6) Peripherally margined neutrophils slowly roll over the endothelial cells lining of the vessel wall called as ----- (1)
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- [Adhesion Phase](#)

- [Emigration](#)
- [Rolling phase](#)
- [Phagocytosis](#)

7) Angina due to physical activity is also called----- (1)

- [Stable Angina](#)
- [Prinzmetal](#)
- [variant angina](#)
- [Unstable Angina](#)

8) Atherosclerosis is produced by----- (1)

- [Endothelial injury](#)
- [Accumulation of lipoproteins](#)
- [Monocyte adhesion](#)
- [All of the above](#)

9) Rigidity and postural instability of balance is a sign of ----- (1)

- [Parkinson's Disease](#)
- [Inflammatory bowel Disease](#)
- [Sexually transmitted Diseases](#)
- [Epilepsy](#)

10) Thrombus formation and embolism results in arterial occlusion, decreasing cerebral blood flow and causing infarction----- (1)

- [Shock](#)
- [Hemorrhagic Stroke](#)
- [Ischemic Stroke](#)
- [Hypovolemic shock](#)

11) Microcytic and Hypochromic cells are the characteristics of ----- (1)

- [Iron Deficiency Anaemia](#)
- [Vitamin B 12 deficiency Anaemia](#)
- [Haemolytic Anaemia](#)
- [Sideroblastic Anaemia](#)

12) Which of the following stimulate the process of Erythropoiesis----- (1)

- [Hepcidin](#)
- [Erythropoietin](#)
- [Cytokines](#)
- [Leukocytes](#)

13) Diabetes is caused due to deficiency of ----- (1)

- [Insulin](#)
- [Thyroxine](#)
- [Trypsin](#)
- [Adrenaline](#)

14) Which of the following hepatitis spread through food and water ----- (1)

[Hepatitis B](#)
[Hepatitis C](#)
[Hepatitis A](#)
[Hepatitis D](#)

15) The process by which cells divide and reproduce new cells called as ----- (1)

[Cell Cycle](#)
[Mitosis](#)
[Meiosis](#)
[Neoplasia](#)

16) Tender necrotic skin lesions, Tenosynovitis, Monoarticular arthritis is sign and symptoms of----- (1)

[Malaria](#)
[Gonorrhoea](#)
[Syphilis](#)
[HIV](#)

17) The causative organism of syphilis is ----- (1)

[Aedes aegypti](#)
[Orientia](#)
[tsutsugamushi](#)
[Salmonella](#)
[Treponema pallidum](#)

18) . Leprosy is caused by----- (1)

[Mycobacterium leprae](#)
[Mycobacterium Tuberculosis](#)
[Salmonella paratyphi](#)
[E Coli](#)

19) Which of the following belongs to Upper urinary tract Infections----- (1)

[Pyelonephritis](#)
[Cystitis](#)
[Urethritis](#)
[Prostatitis](#)

20) Typhoid spread most commonly through ----- (1)

[Blood transfusion](#)
[Air](#)
[Food and Water](#)
[Sexual Intercourse](#)

II Long Answers

Answer all the questions.

1) Define Cell Injury Explain different mechanism of cell Injury (10)

2) Explain the pathophysiology of Acute Renal Failure. (10)

III Short Answers

Answer all the questions.

1) Explain the pathophysiology of COPD. (5)

- 2) Explain the pathophysiology of anemia (5)
- 3) Explain the pathophysiology of type 1 Diabetes (5)
- 4) Explain Cell Cycle with neat Diagram (5)
- 5) Explain the pathophysiology of Syphilis. (5)
- 6) Write a note on Typhoid Fever (5)
- 7) Write a note on GOUT (5)

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