

Question Paper

Exam Date & Time: 13-Jun-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES
END SEMESTER THEORY EXAMINATIONS - JUNE 2018
PROGRAM: BPHARM SEMESTER 2

DATE: 13/06/2018

TIME: 10:00 AM - 1:00 PM

Pathophysiology [PPR-BP204T]

Marks: 75

Duration: 180 mins.

I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) -----is the causes of cell injury (1)
[Physical agents](#) [Chemical agents](#) [Microbial agents](#) [All the above](#)
- 2) Programmed cell death by which abnormal cells die and are eliminated called as----- (1)
[Apoptosis](#) [Necrosis](#) [Ischemia](#) [All the above](#)
- 3) Inflammation is triggered by----- (1)
[Physical agents](#) [Chemical agents](#) [Microbial infection](#) [All the above](#)
- 4) Rubor of inflammation is due to (1)
[Vasodilation](#) [Vasoconstriction](#) [Vascular Permeability](#) [None of the above](#)
- 5) -----is factor risk factor for atherosclerosis (1)
[Hypertension](#) [age](#) [Smoking](#) [All of the above](#)
- 6) Stable angina also called as----- (1)
[Typical angina](#) [Variant angina](#) [Unstable angina](#) [All of the above](#)
- 7) Diabetes is caused due to deficiency of ----- (1)
[Pepsin](#) [Insulin](#) [Adrenaline](#) [All of the above](#)
- 8) Which of the following disease are sexually transmitted----- (1)
[AIDS](#) [Syphilis](#) [Gonorrhoea](#) [All of the above](#)
- 9) -----is an extra articular features of Rheumatoid Arthritis. (1)
[Anaemi](#) [Vasculitis](#) [Rheumatoid nodules](#) [All the above](#)
- 10) Megaloblastic Anaemia caused due to deficiency of ----- (1)
[Vitamin B12](#) [Iron](#) [Zinc](#) [None of the above](#)
- 11) HIV effecting the following cells in human (1)
[CD4 cells](#) [Platelets](#) [Red Blood Cells](#) [None of the above](#)
- 12) -----one of the macrovascular complication of Diabetes mellitus (1)
[Cardiovascular complications](#) [Nephropathy](#) [neuropathy](#) [None of the above](#)
- 13) -----one of the symptoms of hypothyroidism (1)
[Weight gain](#) [Hoarse voice](#) [Dry Skin](#) [All of the above](#)
- 14) ----- Which of the following deficiency of enzyme causes haemolytic anaemia (1)
[G6PD](#) [Pepsin](#) [Renin](#) [None of the above](#)
- 15) -----is risk factor for acute renal failure (1)
[hypovolemia](#) [kidney stones](#) [Both A and B](#) [None of the above](#)
- 16) Malaria is a infectious -----disease (1)
[Bacterial](#) [protozoal](#) [Fungal](#) [Viral](#)
- 17) Which of the following is a risk factors for tuberculosis (1)
[HIV patients](#) [Children younger than 2 years](#) [Adults 18-25 years age](#) [both A and B](#)
- 18) Which of the following is mediator of inflammation in Asthma patients (1)
[Histamine](#) [Serotonin](#) [Prostaglandin](#) [All of the above](#)
- 19) Emphysema is associated with ----- (1)
[alpha-1-antitrypsin Deficiency](#) [beta-1-antitrypsin Deficiency](#) [gamma-1-antitrypsin Deficiency](#) [None of the above](#)
- 20) The sequence of events that take place within a cell as it tools up for division called as----- (1)
[Cell Cycle](#) [Mutation](#) [Atrophy](#) [All of the above](#)

II Long Answers

Answer all the questions

Answer all the questions.

- 1) Explain the different mechanism of cell injury. (10)
- 2) Define cell cycle. Explain cell cycle with a neat diagram. (10)

III Short Answers

Answer all the questions.

- 1) Explain pathophysiology of epilepsy. (5)
- 2) Write a note on different chemical mediators of inflammation. (5)
- 3) Explain life cycle of HIV in human. (5)
- 4) Define angina. Classify different types of angina. (5)
- 5) Explain pathophysiology of type 1 diabetes. (5)
- 6) Explain pathophysiology of anaemia. (5)
- 7) Classify acute renal failure and enumerate its clinical sign and symptoms. (5)

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