

# Question Paper

Exam Date & Time: 02-May-2019 (09:30 AM - 12:30 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

B.Pharm Semester II- End-Semester Examination May 2019

Exam Date: 02-05-2019

### Pathophysiology [PPR-BP204T]

Marks: 75

Duration: 180 mins.

#### I Multiple Choice Questions (MCQs)

Answer all the questions.

Section Duration: 30 mins

- 1) Decreases in oxygen supply to specific organ called as----- (1)
- ATP depletion  
Ischemia  
Calcification  
Saponification
- 2) Triple response of inflammation includes ----- (1)
- Pain  
Flare  
Itching  
Cyanosis
- 3) Focal death along with degradation of tissue by hydrolytic enzymes called as (1)
- Necrosis  
Hypertrophy  
Calcification  
Apoptosis
- 4) -----Agents responsible for inflammation (1)
- Physical agents  
Chemical agents  
Microbial agents  
All of the above
- 5) Extreme elevations in Blood Pressure that are accompanied by acute or progressing target-organ damage (1)
- Hypertensive emergency  
Hypertensive urgency  
Hypertension  
White coat hypertension

6) The lab investigation used to differentiate microcytic anaemia from macrocytic anaemia (1)  
is -----

Haemoglobin

MCV

Platelets

WBCs

7) -----Following is microvascular complication of Diabetes (1)

Cardiovascular complications

Neuropathy

Cerebrovascular Complications

All of the above

8) -----following enzymes responsible for conversion of viral RNA to DNA (1)

Reverse transcriptase

Integrase

Protease

Endonuclease

9) Salmonella typhi is causes which of the following disease----- (1)

Typhoid

Tuberculosis

Diarrhoea

HIV

10) 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

11) The tonic phase of generalized tonic clonic seizure lasts for (1)

one minute

fifteen minutes

half an hour

one hour

12) The threshold for the onset of parkinsons is the loss of \_\_\_\_\_ dopaminergic neurons (1)

50%

70%

80%

90%

Hypoperfusion results in this type of acute renal failure (1)

Pre-renal

Renal

Post-renal

both renal and post renal

14) \_\_\_\_\_ is NOT the complication of chronic renal failure (1)

Hyperparathyroidism

Osteomalacia

Osteoarthritis

Hyperparathyroidism

15) Home monitoring of asthma patients is possible with (1)

cell counts

symptoms assessment questionnaires

Pulmonary Function Test

Peak expiratory flow meter

16) This enzyme balances Alpha-1 antitrypsin in lungs (1)

Tropomerase

Isomerase

Elastase

protease

17) This is NOT a risk factor for gastric ulcer (1)

cigarette smoking

alcohol use

acetaminophen use

aspirin use

18) The test which is commonly used in diagnosing epilepsy is (1)

ECG

EEG

MRI

PET

19) Tuberculosis spread mostly through (1)

blood circulation

endocrine pathway

lymphatic circulation

plasma

20) Clinical presentation of Tuberculosis does NOT include (1)

Anorexia

Night sweats

Malaise

weight gain

### II Long Answers

**Answer all the questions.**

- 1) Explain Apoptosis with a neat diagram. (10)
- 2) Describe the pathophysiology of acute renal failure and complications of chronic renal failure. (10)

### III Short Answers

**Answer all the questions.**

- 1) Explain the characteristic of a cancer cell. (5)
- 2) Explain pathophysiology of atherosclerosis. (5)
- 3) Explain type 1 diabetes with neat diagram. (5)
- 4) Explain pathophysiology of anaemia. (5)
- 5) Describe the pathophysiology of tuberculosis. (5)
- 6) Discuss the pathophysiology of COPD. (5)
- 7) Describe the pathophysiology of Parkinsons disease. (5)

-----End-----