

N.A



## BRAINWARE UNIVERSITY

Term End Examination 2023

Programme – B.Sc.(PA)-2020/B.Sc.(PA)-2021

Course Name – Microbiology and Pathology

Course Code - BPA202

( Semester II )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Indicate the type of cells that are the first to respond to inflammation
- |                |                |
|----------------|----------------|
| a) Mast cells  | b) Neutrophils |
| c) Macrophages | d) T cells     |
- (ii) Represent the type of inflammation that is characterized by a slow onset and long duration.
- |                          |                          |
|--------------------------|--------------------------|
| a) Acute inflammation    | b) Chronic inflammation  |
| c) Subacute inflammation | d) Systemic inflammation |
- (iii) Select the correct disease under COPD
- |                     |                       |
|---------------------|-----------------------|
| a) Acute bronchitis | b) Chronic bronchitis |
| c) bronchiectasis   | d) pneumonia          |
- (iv) Recognize a common type of ovarian cyst:
- |                 |               |
|-----------------|---------------|
| a) Thyroid cyst | b) Liver cyst |
| c) Dermoid cyst | d) Lung cyst  |
- (v) Identify the temperature and time period commonly used for the hot air oven while sterilizing glassware in the laboratory
- |                                    |                                    |
|------------------------------------|------------------------------------|
| a) 180 degrees Celcius for 30 mins | b) 63 degrees Celcius for 30 mins  |
| c) 121 degrees Celcius for 15 mins | d) 160 degrees Celcius for 45 mins |
- (vi) Which of the following is an example of a sterilization method?
- |                |                                 |
|----------------|---------------------------------|
| a) Handwashing | b) Cleaning with soap and water |
| c) Boiling     | d) Autoclaving                  |



- 10. Illustrate B cell immunity response (5)
- 11. Mention the pathogenesis of M. tuberculosis in generation of TB (5)
- 12. Explain the limitations of innate immunity system (5)

**OR**

Explain the functions of Antibody mediated immunity response (5)

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