



BRAINWARE UNIVERSITY

Term End Annual Examination 2020 – 21

Programme – Bachelor of Science in Nursing

Course Name – Microbiology

Course Code – BNS105

(Year – I)

Time allotted: 3 hrs.

Full Marks: 75

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

Section – A

1. Write short answer type questions of the following: 1 x 5 = 5
 - (I) Write a short note on the Agglutination test. [5]

OR

 - (II) Sputum for AFB culture- explain it. [5]
2. Write long answer type question of the following: 2 x 10 = 20
 - (I) What are viruses? Explain the structural characteristics of viruses. [4+6 = 10]
 - (II) Define cross infection with example? How to prevent cross infection in the hospital? [4+6 = 10]
3. Write long answer type questions of the following: 1 x 15 = 15
 - (I) Define immunity. Classify immunity in details. Enumerate different types of immunoglobulin. [2+10+3 = 15]

OR

 - (II) Mrs. Chobi admitted in at female medical ward with suspected malaria. [4+6+2+3=15]
 - a) Name the parasites causing malaria
 - b) Briefly describe the life cycle of malaria parasite.
 - c) What are the confirmatory diagnosis of malaria?
 - d) What will you teach the family members during discharge to prevent the spread of malaria?

Section –B**1. Write short answer on any three of the following:**

3 x 5 = 15

- (I) Discuss in details about Blood agar media. [5]
 (II) Discuss about normal flora. [5]
 (III) Write short note on Bacterial capsule. [5]
 (IV) Write a short note on the cold chain to maintain the efficacy of the vaccine. [5]
 (V) Write short note on PPE. [5]

2. Write long answer of the following:

2 x 10 = 20

- (I) Which micro-organism is responsible for pneumonia? What are the symptoms of the disease? Write about the pathogenicity of the micro-organism. [2+3+5 = 10]
 (II) Discuss about opportunistic infection. Write down four opportunistic infection commonly found in AIDS patients. Explain what precaution you will take as a nurse during collection of blood from an AIDS patient? [4+2+4 = 10]