C. U. SHAH UNIVERSITY

Winter Examination-2021

Subject Name: Microbiology

Subject Code: 4NS01MIC1 Branch: B.Sc. (Nursing)

Year: 1 Date: 10/12/2021 Time: 02:00 To 05:00 Marks: 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

| Q-1 | Attempt the following questions: | (15) |
|-----|---|------|
| a |) Malaria isborne disease. | 1 |
| | 1. Vector. 2. Virus. | |
| | 3. Fungi. 4. Bacteria | |
| b |) Covid 19 is a | 1 |
| | 1. RNA virus. 2. DNA Virus. | |
| | 3. Bacteria. 4. None of above | |
| c | , J | 1 |
| | 1. Gonorrhoea. 2. HIV | |
| | 3. Candidiasis 4. All of above | |
| d | , | 1 |
| | 1. Non pathogen 2. Antibody | |
| | 3. Pathogen 4. Both 2 &3 | |
| e | | 1 |
| | 1. Candida Albicans 2. Gonococci. | |
| | 3. Staphylococcus. 4. E collie. | |
| f | | 1 |
| | 1. Vibrio 2. Clostridium Titany | |
| | 3. Mico Bacterium Laprae 4. Treponema pelidum | |
| g | | 1 |
| | 1. RBC 2. Antigen | |
| | 3. Antibody. 4. None of above | |
| h | , , , | 1 |
| | 1. Spore forming bacteria 2. Non spore forming bacteria | |
| | 2. Both 1 & 2. 4. None of these | |
| i | | 1 |
| | Gastritis. Hepatitis | |
| | 3. AIDS 4. Cancer | |



| | j) | E coli producetoxins. | 1 |
|-------|-------------------------|---|-----------|
| | _ | Exotoxins. Haemolycins | |
| | | 3. Uro toxins. 4. Endo toxins | |
| | k) | Rabis virus can multiply in | 1 |
| | | 1. Central nervous system. 2. Peripheral nervous system | |
| | | 3. Muscles system. 4. All of above | |
| | 1) | Food poisoning is caused by | 1 |
| | | Clostridium Tetani. Diphtheria | |
| | | 3. Clostridium botulinum. 4. None of these | |
| | m) | Koplic's spot develope in | 1 |
| | | 1. Rubella. 2. Measles | |
| | | 3. HIV. 4. Gonorrhoea | |
| | n) | Specific test for syphilis is | 1 |
| | | ELIZA Test. VDRL Test | |
| | | 3. FTA Test. 4. None of these | |
| | o) | Gonorrhoea is | 1 |
| | | Air borne disease. Water borbe disease | |
| | | 3. Sexually transmitted disease 4. None of these | |
| Atten | nnt anv | two questions from Q-2 to Q-5 | |
| | -pr any | | ■ |
| Q-2 | | Attempt all questions | (15) |
| | A. | Define antigen. | 2 |
| | B. | Describe various factor of antigenicity. | 6 |
| | C. | Explain types of antigen. | 7 |
| Q-3 | | Attempt all questions | (15) |
| | A. | Define biomedical waste. | 2 |
| | B. | Explain various segregation methods of biomedical waste. | 6 |
| | C. | Describe nurses role in in biomedical waste management. | 7 |
| Q-4 | | Attempt all questions | (15) |
| | A. | Define hospital acquired infection. | 2 |
| | B. | Explain the factors and sources of hospital acquired infection. | 6 |
| | C. | Discuss the role of nurses in preventing hospital infection. | 7 |
| Q-5 | | Attempt all questions | (15) |
| | A. | Enumerate common chemical disinfectants. | 7 |
| | B. | Describe uses of common disinfectants in hospital. | 8 |
| Q-6 | | Explain any six questions from A to J: | (30) |
| | \mathbf{A} | Autoclave | 5 |
| | В | Dry Heat sterilization | 5 |
| | \mathbf{C} | Candidiasis | 5 5 |
| | D | Dermatophytes | 5 |
| | ${f E}$ | Lab diagnosis of amoebic dysentery | 5 |
| | $\overline{\mathbf{F}}$ | Selective media. | 5 5 |
| | G | Lab diagnosis of enteric fever | 5 |
| | H | Acquired immunity | 5 |
| | I | Post exposure prophylaxis after needle stick injury. | 5 |
| | J | Immunoglobulins | 5 5 |
| | | | |

