

B.Sc.(N) [Post Basic (1st Year)]

BF/2013/07

Microbiology

[New Scheme-w.e.f. 2007 admission]

M.M. : 75

Time : 3 Hours.

Note: Attempt all questions.

- 1A. **Give one word answer of the following:** [1x10=10]
- i. An organism that grows on dead and decaying matter is called _____.
 - ii. _____ is a causative agent of Diphtheria.
 - iii. Soil may serve as a source of parasiting infection like _____.
 - iv. _____ is an enzyme present in tears.
 - v. Common causative agent of skin and wound infection is _____.
 - vi. Gas gangrene is caused by _____.
 - vii. Oral thrush which is a fungal infection of mouth of new born babies is caused by _____.
 - viii. Koplik's spot is a chief symptom of _____.
 - ix. Cocci in chains are called as _____.
 - x. Sleeping sickness is another name of _____.
- 1B. **Write the most appropriate answer :** [1x5=5]
- i. Major line of defense in new born is because of :
 (a) Immunoglobulin M (IgM) (b) IgG (c) IgE (d) IgA
 - ii. Presence of flagella all around the bacterial cell is the pattern called as :
 (a) Lophotrichous (b) Peritrichous (c) Amphitrichous (d) Multipolar
 - iii. Rubella is another name of :
 (a) German Measles (b) Shingles (c) Influenza (d) Encephalitis
 - iv. Dermatophyte which affect scalp is :
 (a) Tinea Corporis (b) Tinea manum (c) Tinea cruris (d) Tinea capitis
 - v. Physical agents of sterilization include :
 (a) Sunlight (b) Drying (c) Boiling
 (d) All of the above.
2. **Write Five Points of the following :** [5x3=15]
- (a) Portals of entry of micro organisms.
 - (b) Chemical agents of disinfection.
 - (c) Causative agents of nosocomial infection.
3. (a) **Define the following terms :**
- i. Neutralizing antibody. [1]
 - ii. Diplococci. [1]
- (b) Clinical features and transmission of HIV. [8]
4. (a) Define active immunity. [1]
- (b) General properties of virus. [3]
- (c) Barrier Nursing. [6]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
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| (a) Giardiasis. | (b) Cutaneous anthrax |
| (c) General principles in sample collection | (d) Bacterial growth curve |
| (e) Pathogenesis of Diphtheria | (f) Food poisoning |
| (g) National Immunization Schedule | |