

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

BF/2013/01

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. Hepatitis B vaccine is a type of _____ vaccine.
 - ii. Chickenpox is caused by _____.
 - iii. _____ is used for sterilization of cystoscopes and endoscopes.
 - iv. _____ is the causative agent of syphilis.
 - v. _____ are the smallest free living micro-organisms.
 - vi. _____ bacteria is commonest cause of suppuration.
 - vii. Endotoxin are _____ in nature.
 - viii. Life span of taenia solium is _____.
 - ix. Incubation period for HIV is _____.
 - x. Kala-Azar is also known as _____.
- 1B. **Pick up the most appropriate answer:** [1x5=5]
- i. Exotoxins having following characteristics :

(a) Heat Stable	(b) No enzymic action
(c) Low potency	(d) Protein
 - ii. Transmission of HIV is by :

(a) Sexual contact	(b) Parental	(c) Perinatal
(d) All of above		
 - iii. Amoebic Dysentery having following characters :

(a) Bright Red Color	(b) Alkaline Reaction
(c) Odourless	(d) 6-8 motions per day
 - iv. Mode of transmission of Hepatitis E is :

(a) Faeco-oral.	(b) Parental
(c) Both	(d) None of above
 - v. Which of the following immunoglobulin is present in the milk :

(a) IgM	(b) IgD
(c) IgG	(d) IgE
2.

2.	(a) Define Gram Positive Bacilli.	[2]
	(b) General properties of Cocci.	[3]
	(c) Classification of Cocci.	[4]
	(d) Discuss in brief diseases caused by cocci and their control.	[6]

3.

3.	(a) Define the following terms :	
	i. Antigen.	[1]
	ii. Antibody.	[1]
	(b) Immunization in diseases.	[8]

4.

4.	(a) Define Hospital infection.	[1]
	(b) Hospital infection control procedures.	[3]
	(c) Role of nurses in Hospital infection control procedure.	[6]

5. **Write Short Notes on any FIVE of the following:** [5x5=25]

(a) Effects of Heat and cold sterilization	(b) Micro-organisms transmitted through food.
(c) Retroviruses	(d) Helminthes infection
(e) Leprosy	(f) Candidiasis
(g) Mechanical methods of sterilization	