

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

BF/2012/01

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. Rabies is caused by _____.
 - ii. The causative agent of pityriasis versicolor is _____.
 - iii. Malaria is caused by _____.
 - iv. Cholera is caused by _____.
 - v. Glasswares are best sterilized by _____.
 - vi. Mac Intosh filde's jar is used for _____.
 - vii. Tetanus is caused by _____.
 - viii. The resolution power of naked eye is _____.
 - ix. Leprosy is caused by _____.
 - x. Botulism is caused by _____.
- 1B. **Pick up the most appropriate answer:** [1x5=5]
- i. Which of the following bacteria is cell wall deficient ?

(a) Mycoplasma	(b) Treponema
(c) Staphylococcus	(d) Klebsiella
 - ii. Silver impregnation method is used for demonstration of :

(a) Spirochaetes	(b) Vibrios
(c) Shigella	(d) Salmonella
 - iii. Which of the following protozoa can cause diarrhea ?

(a) Entamoeba histolytica	(b) Giardia lamblia
(c) Cryptosporidium parvum	(d) All of the above
 - iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients ?

(a) Escherichia coli	(b) Klebsiella.	(c) Proteus
(d) All of the above		
 - v. Which of the following vaccines is / are killed vaccine/s ?

(a) Pertusis Vaccine	(b) Cholera Vaccine
(c) Japanese encephalitis Vaccine	(d) All of the above
2. [2]
- (a) Define virus. [2]
 - (b) General properties of viruses. [3]
 - (c) Classification of viruses. [4]
 - (d) Discuss in brief diseases caused by viruses in man and their control. [6]
3. [1]
- (a) **Define the following terms :**
 - i. Sterilization. [1]
 - ii. Disinfection. [1]
 - (b) Describe the physical methods of Sterilization. [8]
4. [1]
- (a) Define hypersensitivity. [1]
 - (b) Classify hypersensitivity reaction. [3]
 - (c) Discuss in brief about type I hypersensitivity reaction. [6]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
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|--------------------------|------------------------|
| (a) Koch's postulate | (b) Acid fast staining |
| (c) Dermatophytosis. | (d) Vaccines. |
| (e) Bacterial cell wall. | (f) Culture media. |
| (g) Zoonotic diseases. | |