

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

BF/2009/06

Microbiology

[Old Scheme]

M.M. : 70

Time : 3 Hours.

Note: Attempt FIVE questions only. Q.No.1 is compulsory.

1A. Give one word answer of the following: [8x1=8]

1. Name a vaccine to prevent Tetanus.
2. Name a virus causing Genital ulcer.
3. Name causative agent of T.B.
4. Give scientific name of Earth worm.
5. Name vector for Malaria.
6. Name causative agent of Kala-azar.
7. Name causative agent of Diphtheria.
8. Name a bacterium causing Meningitis.

1B. Pick up the most appropriate answer: [3x1=3]

1. Robertson cooked Meat Medium is a:
 - a. Medium used for culture of anaerobic bacteria.
 - b. Medium used to grow fungi.
 - c. Medium used for growing Mycobacteria.
 - d. Medium used for virus isolation.
2. Cerebral Malaria is caused by:
 - a. P.vivax.
 - b. P.Ovale.
 - c. P.falciparum.
 - d. P.Malaria.
3. Immunoglobulin that does not cross placenta:
 - a. IgG₁
 - b. Ig G₂
 - c. Ig D
 - d. Ig M

1C. Fill up the blanks: [3x1=3]

- a. Oral thrush is caused by_____.
- b. Sore Throat is caused by_____ (bacterium), _____ (Virus), _____ (fungal agent).
- c. Name two dimorphic fungi_____,_____.

2. Write short notes on any FOUR of the following: [4x3¹/₂=14]

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|------------------|----------------------------|
| 1. Enteric fever | 2. Bacterial growth curve. |
| 3. Leprosy. | 4. Syphilis. |
| 5. Cholera. | 6. Cells of Immune system. |

3. Define Sterilisation and Disinfection. Enumerate different methods of Sterilisation. Write about one method in detail. [2+2+3+7]

P.T.O.

4. What are Hypersensitivity reactions. Classify them. Write about delayed hypersensitivity in detail. [3+3+8]

5. What is the role of Vectors in transmitting Parasitic infections. Enumerate different vectors and the diseases transmitted. Write about vector control in Malaria. [4+4+6]

6. What are Dermatophytes. Classify the infections caused by them. Write about laboratory diagnosis of these infections. [3+5+6]

7. **Write briefly on:** [7+7]
 - a. Lab. Diagnosis of UTI.
 - b. Guinea worm disease.
