

Total No. of Printed Pages - 2

SS/BSN-1/MIC/6-15

2015

(June)

MICROBIOLOGY

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **all** questions

1. Fill in the blanks: 1 × 10 = 10
- (a) _____ is the method used for killing of micro-organisms.
 - (b) _____ immunoglobulin can pass through placental barrier.
 - (c) _____ is used as mordant for Gram's staining.
 - (d) Gas gangrene is caused by _____.
 - (e) Vibrio Cholera is a _____ shaped organism.
 - (f) Target cell for HIV is _____
 - (g) Hydrophobia is a symptom of _____ virus infection.

(Turn Over)

(2)

- (h) _____ is an example of differential medium.
(i) VDRL test is used for diagnosis of _____.
(j) _____ causes Filariasis.

8 × 2 = 16

2. Explain *any two*:

- (a) Superficial Mycoses
(b) Hepatitis B
(c) Structure of Immunoglobulin and its types

2 × 8 = 16

3. Answer the following:

- (a) Give two example of transport medium.
(b) Name two examples of type II hypersensitivity.
(c) Name two organisms causing UTI.
(d) Name the two types of polio vaccines.
(e) Name two parasites that cause malaria.
(f) Name two fungi causing systemic mycosis.
(g) Draw a labelled structure of a bacterial cell.
(h) Write the properties of an Antigen.

4. What is biomedical waste? Mention types of biomedical waste.
Explain different methods of biomedical waste management.

1+2+5=8

5. Write short notes on (*any five*)

5 × 5 = 25

- (a) Sterilization by heating
(b) Acid fast staining method
(c) Structure of HIV
(d) Nosocomial infection
(e) Immunity
(f) Life cycle of *Plasmodium vivax*.

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