

PBJ 3023

Second Year MBBS Examination

II MBBS Microbiology Paper 1

Time: 2 hours Max Marks: 40

Date: 07-02-2016

Instructions:

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Multiple Choice Questions: (8)

- a. Adhesin is useful in A. Motility B. Bacterial attachment C. Toxigenicity D. Bacterial division
 - b. Interferon is _____ in nature A. Lipid B. Protein C. Polysaccharides D. All of the above
 - c. Botulinum toxin acts on A. Sympathetic system B. Amygdala C. Parasympathetic
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system D. Motor cortex

- d. Bacteria implicated in dental caries
A. Streptococcus mutans B. Pneumococci
C. Streptococcus pyogenes D. Staphylococcus aureus
- e. Glanders disease caused by A. Mumps
B. Burkholderia mallei C. Diphtheria
D. Burkholderia pseudomallei
- f. Which of the following is microaerophilic ?
A. Vibrio B. Bacteroides C. Campylobacter
D. Pseudomonas
- g. HLA complex is on chromosome A. 7 B. 6 C. 8
D. 9

Section 2

2. Write short notes any two (10)

- a. Laboratory diagnosis of cholera
- b. Major Histocompatibility Complex.
- c. Healthcare associated infections

3. Write short notes any two (6)

- a. Enumerate bacteria, producing exotoxins and endotoxins.
 - b. Draw and label gram positive bacterial cell wall and gram negative bacterial cell wall
 - c. Write primary and secondary mediators of anaphylaxis
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4. Write short notes any two (10)

- a. Interleukins
- b. Stabilisation by radiation
- c. Laboratory diagnosis of Rickettsial infection

5. Write short answers on ANY TWO. (6)

- a. Give differences between Mycobacterium tuberculosis and Atypical mycobacteria.
- b. Write the principle of Fluorescent microscope and its use.
- c. Give differences between IgM and IgA

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