



Name : .....  
Roll No. : .....  
Invigilator's Signature : .....

**CS/B.OPTM/SEM-3/BO-303/2009-10  
2009**

**MEDICAL MICROBIOLOGY & PATHOLOGY**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**GROUP – A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) Vaccine is an example of
  - a) natural active immunity
  - b) natural passive immunity
  - c) active induced immunity
  - d) passive induced immunity
  - e) none of these.
  
- ii) All are DNA containing viruses *except*
  - a) pox virus
  - b) polio virus
  - c) herpes virus
  - d) adenovirus.

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- iii) All are gram positive bacteria, *except*
- a) Staphylococcus                      b) Salmonella typhi  
c) Streptococcus                        d) Lactobacillus.
- iv) Zeil Neilson's stain is used for
- a) M. tuberculosis  
b) Vibrio cholerae  
c) Pseudomonas aeruginosa  
d) none of these.
- v) pleomorphism is a state which is seen in
- a) bacteria                                b) virus  
c) fungus                                 d) parasites.
- vi) Antigen binding site of an antibody is known as
- a) Paratope                                b) Epitope  
c) Epimer                                 d) Paraoxysome.
- vii) Prostaglandin is a
- a) Vasodilator                            b) Vasoconstrictor  
c) Vasoinhibitor                        d) Vasospasmer.
- viii) The antibody which comes in circulation during any infection is
- a) IgM                                      b) IgG  
c) IgE                                      d) IgD.

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7. What is sigmoid growth curve ? Write about the different stages of growth of bacteria. What are the factors responsible for bacterial growth. 2 + 6 + 7
8. What are the different types of inflammation ? Discuss briefly the vascular and cellular events of acute inflammation. 3 + 6 + 6
9. Explain the factors influencing wound healing. Describe the structure of Lymph node. Discuss the steps involved in classical pathway of complement activation. 4 + 5 + 6
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