



Central Library  
SMIMER Surat.

MN-4009

Second Year M. B. B. S. Examination

January - 2014

Microbiology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
Second Year M. B. B. S.

Name of the Subject :  
Microbiology : Paper - I

Subject Code No. : 4 0 0 9 Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

- (2) Figures to the right indicate full marks of the question.  
(3) Answer to the point.  
(4) Draw diagrams wherever necessary.

- 1 Discuss in detail : (any two) 8  
(a) Phase contrast microscope.  
(b) Use of chemicals for sterilization.  
(c) Resistance Transfer factor.
- 2 Write notes on : (any three) 12  
(a) Laboratory diagnosis of amoebiasis.  
(b) Pathogenesis, life cycle and laboratory diagnosis of Enterobius vermicularis.  
(c) Morphology and life cycle of Taenia solium.  
(d) Opportunistic parasitic infections.

MN-4009]

1

[Contd...

3 Write notes on : (any two) 8

- (a) Bacterial cell wall.
- (b) Atopy.
- (c) Segregation and treatment of hospital waste.

4 Write in short : (any three) 12

- (a) Factors responsible for pathogenicity of microorganisms.
- (b) Differences between primary and secondary immune response.
- (c) Immunocompetent cells.
- (d) Immunofluorescence.



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**MN-4010**  
**Second Year M. B. B. S. Examination**  
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**Microbiology : Paper - II**

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[Total Marks : 40

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.		Seat No. :
Name of the Examination :		<input type="text"/>
Second Year M. B. B. S.		<input type="text"/>
Name of the Subject :		<input type="text"/>
Microbiology : Paper - II		<input type="text"/>
Subject Code No. : 4 0 1 0	Section No. (1, 2,.....) :	Nil
		Student's Signature

- (2) Figures to the right indicate full marks of the question.
- (3) Answer to the point.
- (4) Draw diagrams wherever necessary.

- 1 Write notes on : (any two) 8
  - (a) Normal microbial flora of the human body.
  - (b) Enlist the microorganisms causing venereal diseases; describe laboratory diagnosis of any one in detail.
  - (c) Enlist the microorganisms and describe laboratory diagnosis of pyrexia of unknown origin.
  
- 2 Write notes on : (any three) 12
  - (a) Nagler Reaction.
  - (b) Satellitism.
  - (c) Pathogenesis of Cholera.
  - (d) Laboratory Diagnosis of Tuberculosis.

MN-4010]

1

[Contd...

3 Write notes on : (any two) 8

- (a) Moniliasis.
- (b) Rhinosporidiosis.
- (c) Laboratory diagnosis of fungal infections.

4 Write notes on : (any three) 12

- (a) Egg inoculation.
- (b) Arboviruses prevalent in India.
- (c) Laboratory diagnosis of HIV
- (d) Bacteriophage.



PR-4009

Second Year M. B. B. S. Examination

June / July - 2014

Microbiology : Paper - I

Central Library  
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Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
Second Year M. B. B. S.

Name of the Subject :  
Microbiology : Paper - I

Subject Code No. : 4 0 0 9 Section No. (1, 2,.....) : Nil

Seat No. :

Student's Signature

(2) Figures to the right indicate full marks of the question

(3) Answer to the point.

(4) Draw diagrams wherever necessary.

**1. Discuss in detail (any TWO):** **08**

- a) Contributions of Robert Koch.
- b) Types of bacterial filters and their uses.
- c) Genotypic and phenotypic variations.

**2. Write notes on (any THREE):** **12**

- a) Active acquired immunity.
- b) Biological effects of complement.
- c) MHC Restriction
- d) Antigen presenting cells.

**3. Write notes on (any TWO):** **08**

- a) Bacterial flagella and methods to demonstrate it.
- b) Shwartzman reaction
- c) Antibiotic susceptibility testing.





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**PR-4010**  
**Second Year M. B. B. S. Examination**  
June / July - 2014  
**Microbiology : Paper - II**

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

નીચે દર્શાવેલ વિગતો ઉતારવલી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.	Seat No. : □ □ □ □ □ □
Name of the Examination : Second Year M. B. B. S.	Student's Signature
Name of the Subject : Microbiology : Paper - II	
Subject Code No. : 4 0 1 0 Section No. (1, 2,.....) : Nil	

- (2) Figures to the right indicate full marks of the question  
(3) Answer to the point.  
(4) Draw diagrams wherever necessary.

- 1. Write notes on (any TWO):** **08**
- Nosocomial infections.
  - Enlist the microorganisms causing diarrhoea, describe laboratory diagnosis of cholera.
  - Enlist the microorganisms causing upper respiratory tract infections, describe laboratory diagnosis of any one bacterial agent.
- 2. Write notes on (any THREE):** **12**
- Enumerate spore bearing bacteria, add a note on tetanus.
  - BCG vaccine
  - Chlamydia trachomatis.
  - Laboratory diagnosis of enteric fever.
- 3. Write notes on (any TWO):** **08**
- Histoplasmosis.
  - Sporotrichosis
  - Enumerate fungi causing superficial mycosis; add a note on Pityriasis versicolor.

PR-4010]

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[Contd...

4. Write notes on (any THREE):

12

- a) Laboratory diagnosis of Viral Infections.
- b) Immunological abnormalities in HIV infection.
- c) Antigenic drift and antigenic shift
- d) Immunoprophylaxis of rabies.

Total Marks : 40

Time : 3 Hours

Instructions :

(1)

Subject Name	Microbiology - Paper - II
Roll No.	
Section	
Year	
Register No.	

- (1) Draw diagrams wherever necessary.
- (2) Answer to the point.
- (3) Figures to the right indicate full marks of the question.

08

1. Write notes on (any TWO)

- a) Nosocomial infections
- b) List the microorganisms causing diarrhoea, describe laboratory diagnosis of typhoid
- c) List the microorganisms causing upper respiratory tract infections, describe laboratory diagnosis of any one bacterial agent.

15

2. Write notes on (any THREE):

- a) Enumerate spore bearing bacteria, add a note on tetanus
- b) BCG vaccine
- c) Chlamydia trachomatis
- d) Laboratory diagnosis of enteric fever.

08

3. Write notes on (any TWO):

- a) Histoplasmosis
- b) Sporotrichosis
- c) Enumerate fungi causing superficial mycosis; add a note on pityriasis versicolor.

PR-4010]

2

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