



N-2106121001010001

M. D. Examination

June/July - 2021

Microbiology : Paper - I
(General Microbiology & Immunology)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृशविक निशानीवाणी दिगतो उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
M. D.	<input type="text"/>
Name of the Subject :	<input type="text"/>
Microbiology - I (General Microbiology & Immunology)	<input type="text"/>
Subject Code No.:	Section No. (1, 2,.....): Nil
2 1 0 6 1 2 1 0 0 1 0 1 0 0 0 1	<input type="text"/>
	Student's Signature

- (2) All questions are compulsory.
- (3) Draw labelled diagrams wherever necessary.
- (4) Figures to the right indicate marks.

- 1 Describe in detail about different types of immunising agents. 20
- 2 Describe the different mechanisms of autoimmunity. 20
- 3 Write short notes on : 20
 - (a) Superinfections
 - (b) Microbial typing
 - (c) Preservation of mico-organisms.
 - (d) Bacterial cell wall.

4 Write short notes on :

40

- (a) Carrier particles and their applications in serological tests.
 - (b) Physical methods of sterilization and their application in hospital setup.
 - (c) Classify hypersensitivity. Discuss in detail about cell mediated hypersensitivity.
 - (d) Techniques and applications of genetic engineering in Medical Microbiology.
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N-2106121001020001

M. D. Examination

June/July - 2021

Microbiology : Paper - II
(Systemic Bacteriology)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृशविक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
M. D.	<input type="text"/>
Name of the Subject :	<input type="text"/>
Microbiology - II (Systemic Bacteriology)	<input type="text"/>
Subject Code No. :	Section No. (1, 2,.....): Nil
2 1 0 6 1 2 1 0 0 1 0 2 0 0 0 1	<input type="text"/>
	Student's Signature

- (2) All questions are compulsory.
(3) Draw labelled diagrams wherever necessary.
(4) Figures to the right indicate marks.

- 1 Classify vibrios. Describe the epidemiology and pathogenicity of V Cholera. 20
- 2 Write short notes on : 20
(a) Bacterial growth products.
(b) Tuberculosis in HIV-AIDS patients.
(c) Neurosyphilis.
(d) Coagulase negative staphylococci.
- 3 Define & classify non-fermenters. Describe in details about non-fermenters. 20
- 4 Write short notes on : 40
(a) Non suppurative complication of Strept pyogenes.
(b) Mechanisms of bacterial virulence.
(c) Leptospirosis.
(d) Legionellosis.



N-2106121001030001

M. D. Examination

June/July - 2021

Microbiology : Paper - III
(Parasitology, Mycology & Virology)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृशविल निशानीवाणी विगतो उत्तरवली पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
M. D.	<input type="text"/>
Name of the Subject :	<input type="text"/>
Microbiology - III (Parasitology, Mycology & Virology)	<input type="text"/>
Subject Code No. :	Section No. (1, 2,.....): Nil
2 1 0 6 1 2 1 0 0 1 0 3 0 0 0 1	<input type="text"/>
	Student's Signature

- (2) All questions are compulsory.
(3) Draw labelled diagrams wherever necessary.
(4) Figures to the right indicate marks.

- 1 Laboratory diagnosis and prophylaxis of Covid-19. 20
- 2 Write short notes on : 20
(1) Useful and harmful properties of fungi.
(2) Laboratory fungal contaminants.
(3) Allergic fungal diseases.
(4) CCHF virus.
- 3 Give an account of pathogenesis and laboratory diagnosis of *P falciparum*. Discuss the prospect of malaria vaccine. 20
- 4 Write short notes on : 40
(a) Cultivation methods in parasitology.
(b) Arthropods in Parasitology.
(c) Autoinfections in parasites.
(d) Mycotoxicoses.



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M. D. Examination

June/July - 2021

Microbiology : Paper - IV
(Essay)

Time : 3 Hours]

[Total Marks : 100

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"/>
M. D.	<input type="text"/>
Name of the Subject :	<input type="text"/>
Microbiology - IV (Essay)	<input type="text"/>
Subject Code No. :	Section No. (1, 2,.....): Nil
2 1 0 6 1 2 1 0 0 1 0 4 0 0 0 1	<input type="text"/>
	Student's Signature

- (2) All questions are compulsory.
(3) Draw labelled diagrams wherever necessary.
(4) Figures to the right indicate marks

- 1 Classify the haemorrhagic fever viruses. Describe in details about different human species of Ebolavirus. 30
- 2 Write shot notes on : 40
(a) Bengal strain of V cholerae.
(b) Chennai declaration in Microbiology.
- 3 Write about hazards in microbiology laboratory. 30
Discuss universal safety precautions and biomedical waste management.