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B-4009

Second Year M. B. B. S. Examination

June / July - 2017

Paper - I : Microbiology

(General Microbiology, Immunology & Parasitology)

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.	Seat No. : □ □ □ □ □ □ □ □
Name of the Examination : Second Year M. B. B. S.	Student's Signature
Name of the Subject : Paper - I : Microbiology (General Microbio., Immuno. & Parasito.)	
Subject Code No. : 4 0 0 9 Section No. (1, 2,.....) : 1&2	

- (2) Answer to the point.
(3) Draw diagram wherever necessary.

SECTION - I

- 1 Sterilization by moist heat - mechanisms and methods. 8
- OR
- 1 Define agglutination. Write in detail different agglutination reactions. 8
- 2 Write short notes on : (any three) 12
- (a) Bacterial spore
(b) Bacterial growth curve
(c) Monoclonal antibodies
(d) MHC - various classes and applications.

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[Contd...

SECTION - II

- 3 Write notes on : (any two) 10
- (a) Hydatid cyst
 - (b) Laboratory diagnosis of amebiasis
 - (c) Filariasis.
- 4 Write in shorts : (1-2 sentences) 10
- (a) What is Koch's phenomenon ?
 - (b) What is the principle of dark ground microscopy ?
 - (c) How is chocolate agar prepared ? Mention its uses.
 - (d) What is lysogenic conversion ? Give one example.
 - (e) How the endoscopes are disinfected ?
 - (f) What is iatrogenic infection ?
 - (g) Enumerate four intestinal Nematodes.
 - (h) Name two parasites which can cause autoinfection.
 - (i) Write down the common names of *Ascaris lumbricoides* and *Necator americanus*.
 - (j) Name 2 parasites with hexacanth embryos.



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B-4010

Second Year M. B. B. S. Examination

June / July - 2017

Paper - II : Microbiology

(Systemic Bacteriology, Virology, Mycology &
Clinical Microbiology)

Time : 2 Hours]

[Total Marks : 40

Instructions : (1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવાલી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book.

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

Name of the Subject :
Paper - II : Microbio. (Sys. Bacterio., Viro., Myco. & Clini. Micro.)

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

Seat No. :

Student's Signature

- (2) Answer to the point.
- (3) Draw diagram wherever necessary.

SECTION - I

1 Define significant bacteriuria. Describe diagnosis of UTI caused by E.coli. 8

OR

1 Describe pathogenesis and laboratory diagnosis of syphilis. 8

2 Write short notes on : (any three) 12

- (a) Inclusion bodies.
- (b) Vaccines of rabies.
- (c) Laboratory diagnosis of Hepatitis B.
- (d) Opportunistic infections and malignancies associated with HIV infection.

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[Contd...

SECTION - II

- 3 Write notes on : (any two) 10
- (a) Dermatomycetes
 - (b) Candidiasis
 - (c) Mycetoma.
- 4 Write in shorts : (1-2 sentences) 10
- (a) Name the most common Streptococcus species causing neonatal sepsis.
 - (b) Which bacterium cause antibiotic associated diarrhea ?
 - (c) Enumerate fungi causing systemic mycoses ?
 - (d) What is stormy fermentation ?
 - (e) What is M' faydean's reaction ?
 - (f) Name the bacteria causing plague ? What is its characteristics morphology ?
 - (g) Four differences between classical and El Tor Vibrio.
 - (h) Name the diseases caused by Varicella Zoster virus ?
 - (i) Enumerate four DNA viruses.
 - (j) What is prion ? Name two diseases caused by prions.



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BA-3712

Second Year M. B. B. S. Examination

November / December - 2017

Microbiology : Paper - I

(General Microbiology, Immunology & Parasitology)

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરચઢી 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 - 1

Subject Code No. : 3 7 1 2 Section No. (1, 2,.....): 1&2

Seat No. :

Student's Signature

- (2) Answer to the point.
(3) Draw diagram wherever necessary.

SECTION - I

- 1 Describe primary and secondary immune response. 8

OR

- 1 Define and classify hypersensitivity reactions, describe type I in detail. 8
- 2 Write short notes on : (any three) 12
- (a) Differences between exotoxins and endotoxins.
(b) Hot air oven
(c) Transduction
(d) Humoral Immunity

SECTION - II

- 3 Write notes on : (any two) 10
- (a) Toxoplasma
(b) Life cycle of Taenia
(c) Parasites causing autoinfection.

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[Contd.....

4 Write in short : (1-2 sentences)

10

- (a) Name two secondary mediators of anaphylaxis.
- (b) Write two applications of monoclonal antibodies.
- (c) Define pleomorphism.
- (d) What is the principle of phase contrast microscopy.
- (e) Enumerate Koch's postulates.
- (f) How will you sterilize glassware ?
- (g) Name two haemoflagellates.
- (h) Give names of two parasites producing bile stained eggs.
- (i) Give names of viviparous parasites.
- (j) Write common names of *Ascaris lumbricoides* and *Necator americanus*.



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BA-3713
Second Year M. B. B. S. Examination
November / December - 2017
Microbiology : Paper - II
(Systemic Bacteriology, Virology, Mycology & Clinical Microbiology)

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.	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 - II (Systemic Bacterio., Virology, Mycology & Clini. Microbio.)	<input type="text"/>
Subject Code No. : 3 7 1 3	Section No. (1, 2.....) : Nil
	Student's Signature

- (2) Answer to the point.
(3) Draw diagram wherever necessary.

SECTION - I

- 1 Describe suppurative and non suppurative clinical manifestations of Streptococcus pyogenes infections. 8

OR

- 1 Write laboratory diagnosis of Enteric fever. 8
- 2 Write short notes on : (Any Three) 12
- (a) Cytomegalovirus
(b) Write about immunoprophylaxis of Polio
(c) Write the different routes of inoculation in chick embryo.
(d) Write laboratory diagnosis of Pulmonary Anthrax.

SECTION - II

- 3 Write notes on : (Any Two) 10
- (a) Enumerate opportunistic fungal infections and methods to diagnose any of them.
(b) Dimorphic fungi.
(c) Rhinosporidiosis

4 Write in short : (1-2 sentences) 10

- (a) Enumerate pathogenic species of Aspergillus
- (b) Draw structure of HIV
- (c) What is Nagler Reaction ?
- (d) Name two Atypical Mycobacteria causing skin ulcers.
- (e) Castaneda method of blood culture.
- (f) Name two double standard RNA viruses.
- (g) Name two Dermatophytes.
- (h) Write names of two fungi belonging to Phycomycetes.
- (i) Name two viral inclusion bodies.
- (j) Enumerate organisms causing food poisoning.