

Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination – June- 2010

Time: Three Hours

Max. Marks:

35 Marks (RS3)

MICROBIOLOGY

Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the morphology and culture characters of lab diagnosis of crematorium diphtheria. Add a note on prophylaxis of diphtheria.

Short essay

2. Bacterial spore

3. IgG

4. Lab diagnosis of gas gangrene

Short answers

7. Cold sterilization

8. Principles of uses of Elisa

9. Oral thrush

10. Lepromin test

11. Advantages of oral polio vaccine



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination – Dec - 2010

Time: Three Hours

Max. Marks:

35 Marks (RS3)

MICROBIOLOGY

Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify clostridia and write about the morphology and cultural characters. Add a note on prophylaxis of tetanus

Short essay

2. Rhinosporidiosis

3. Hot air oven

4. Erythrocytic schizogony

Short answers

7. Streptococcus mutants

8. Transduction

9. Herpes simplex virus

10. Name two function of IgM

11. Dark field microscope



Rajiv Gandhi University of Health Sciences, Karnataka
II B.D.S Degree Examination - JUNE/JULY- 2011

Time: Three Hours

Max. Marks:

35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify streptococci and describe the pathogenesis and lab diagnosis of streptococcus pharyngitis

Short essay

2. Innate immunity
3. Cultivation of virus
4. Autoclave

Short answers

5. articles sterilized in autoclave
6. bacterial capsule
7. Zoonotic disease
8. Koch postulates
9. Name four viral vaccine



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination – Dec 2011/ Jan 2012

Time: Three Hours

Max. Marks:

35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Enumerate the organism causing the enteric fever. Discuss the pathogenesis and lab diagnosis of typhoid fever.

Short essay

2. Candidiasis

3. Lab diagnosis of malaria

4. Active immunity

Short answers

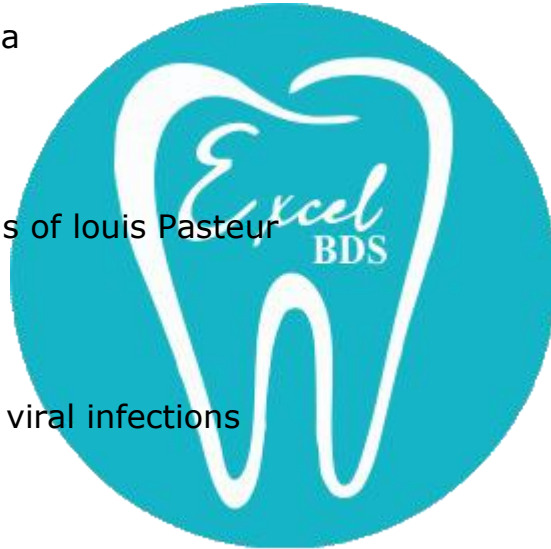
5. Name four contributions of Louis Pasteur

6. Mantoux test

7. Polio vaccine

8. Name two blood borne viral infections

9. Coagulase test



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - JUNE/JULY- 2012

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY
Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the morphology, pathogenesis of tetanus. Add a note on its prophylaxis.

SHORT ESSAY (3×5=15)

2. Bacterial growth curve
3. Mechanism of innate immunity
4. Opportunistic fungal infections

SHORT ANSWERS (5×2=10)

5. Name two transport media
6. Widal test
7. Laboratory diagnosis of syphilis
8. HSV infections
9. Universal precautions while handling blood sample



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - DECEMBER- 2012

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Enumerate the organisms causing enteric fever, Describe the laboratory diagnosis of Typhoid fever

SHORT ESSAY (3×5=15)

2. Nosocomial infection
3. Dental caries
4. Dermatophytes

SHORT ANSWERS (2×5=10)

5. Mention four diseases caused by Herpes simplex virus
6. Mention four contributions of Robert Koch
7. Name 4 bacteria causing pyogenic meningitis
8. Classify hypersensitivity
9. BCG



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - JUNE- 2013

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY
Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify streptococcus, write about morphology, cultural characters pathogenesis and laboratory diagnosis of pharyngitis

SHORT ESSAY (3×5=15)

2. Bacterial flagella

3. Anaphylaxis

4. Candidiasis

SHORT ANSWERS (2×5=10)

5. Define Selective media with 2 example

6. Natural passive immunity

7. Modes of transmission of HIV

8. BCG vaccine

9. Cyst of entamoeba histolytica



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - DECEMBER- 2013

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the morphology of Mycobacterium tuberculosis. Write briefly on pathogenesis & laboratory of pulmonary tuberculosis

SHORT ESSAY (3×5=15)

2. Bacterial flagella

3. IgM

4. Laboratory diagnosis of meningitis

SHORT ANSWERS (5×2=10)

5. Pasteurization

6. List Precipitation reactions

7. Name the organisms which are sexually transmitted

8. Elek's test

9. Name 4 Viral vaccines



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - June- 2014

Time: Three Hours

Max. Marks:

35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify streptococci. Discuss the lab diagnosis of streptococcal throat infection. Add a note on Non-suppurative complication of streptococcus pyogenes

Short essay

2. Active immunity

3. Lab diagnosis of syphilis

4. Human immunodeficiency virus

Short answers

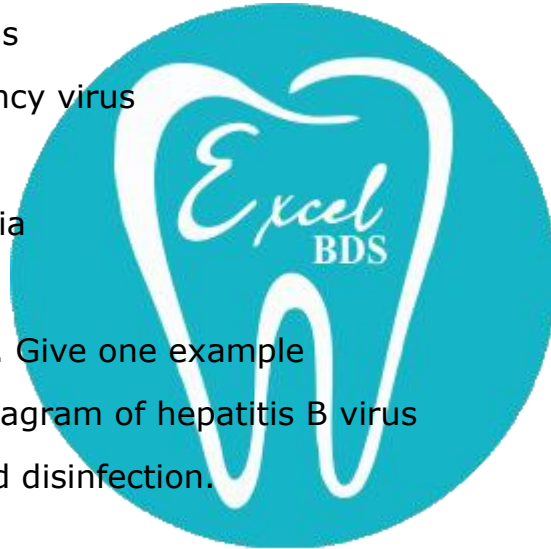
5. Complications of malaria

6. Candida albicans

7. Define selective media. Give one example

8. Draw a neat labelled diagram of hepatitis B virus

9. Classify sterilization and disinfection.



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - DECEMBER- 2014

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY **Q.P. CODE: 1183**

LONG ESSAYS

1 x 10 = 10 Marks

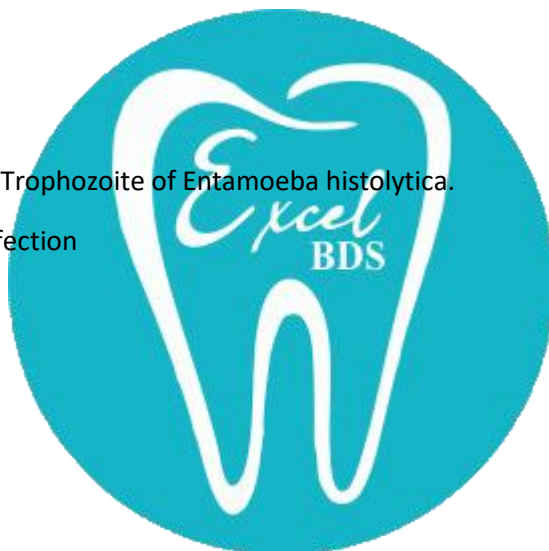
1. Define and classify Immunity. Write in detail about Innate Immunity.

SHORT ESSAYS (3 x5 = 15)

2. Bacterial Growth Curve
3. ELISA
4. Laboratory diagnosis of Hepatitis B Virus infection

SHORT ANSWERS (5x2=10)

5. Classify hypersensitivity.
6. Contributions of Louis Pasteur
7. Rhinosporidiosis
8. Draw a neat labelled diagram of Trophozoite of *Entamoeba histolytica*.
9. Routes of transmission of HIV infection



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - JULY- 2015

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1 Describe the lesions produced by staphylococcus aureus. And its laboratory diagnosis

SHORT ESSAY (3×5=15)

2. Dry heat method of sterilization

3. IgM

4. Prophylaxis against tetanus

SHORT ANSWERS (5×2=10)

5. Bacterial filters

6. List antigen antibody reactions

7. Diagram of HIV virus

8. Germ tube test

9. List opportunistic mycotic infections



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - DECEMBER- 2015

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe in detail the morphology of a Bacterial cell.

SHORT ESSAYS (3×5=15)

2. Anaphylaxis
3. Herpes simplex virus
4. Clostridium perfringens

SHORT ANSWERS (5×2=10)

5. Classify Streptococci.
6. Define enriched media. Give one example.
7. Contributions of Robert Koch
8. Laboratory diagnosis of Candidiasis
9. Draw neat labelled diagrams of cysts of Entamoeba histolytica.



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - JUNE- 2016

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY **Q.P. CODE: 1183**

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the pathogenicity and laboratory diagnosis of infections Caused by Mycobacterium tuberculouosis.

SHORT ESSAYS (3×5=15)

2. Bacterial Flagella
3. Delayed hypersensitivity
4. Laboratory diagnosis of Diphtheria

SHORT ANSWERS (5×2=10)

5. Plasmids
6. List two examples of Passive immunity.
7. Routes of transmission of HIV infection
8. Draw a neat labelled diagram of Hepatitis B virus.
9. Name two opportunistic fungal infections.



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - DECEMBER- 2016

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY Q.P. CODE: 1183

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify streptococci. Describe the morphology, cultural characteristics and pathogenesis of streptococcus pyogenes

SHORT ESSAY (3×5=15)

2. Structure and functions of IgG) Immunoglobulins

3. Anaerobic methods of cultivation

4. Oral Candidiasis

SHORT ANSWERS (5×2=10)

5. Name four selective media

6. Define Agglutination test with two examples

7. Normal flora of oral cavity

8. Draw labeled diagram of HIV

9. MMR



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - JUNE- 2017

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY **Q.P. CODE: 1183**

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify Streptococci. Describe the pathogenicity and laboratory diagnosis of Streptococcus pyogenes infection.

SHORT ESSAYS (3 x 5 = 15)

2. Bacterial spore
3. Acquired immunity
4. Laboratory diagnosis of syphilis

SHORT ANSWERS (5x2=10)

5. Define sterilization and disinfection.
6. Classify hypersensitivity.
7. Draw a neat labelled diagram of Trophozoite of Giardia lamblia.
8. Candida albicans
9. BCG vaccine



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - DECEMBER- 2017

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY **Q.P. CODE: 1183**

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the Morphology, Pathogenesis and Laboratory diagnosis of Pulmonary tuberculosis

SHORT ESSAY (3×5=15)

2. Bacterial Growth curve
3. Laboratory diagnosis of Hepatitis B infection
4. Candida albicans

SHORT ANSWERS (2×5=10)

5. Name two gaseous disinfectants with uses
6. Toxins produced by staphylococcus aureus
7. Mention four Autoimmune diseases
8. Define enriched media with example
9. Mention four opportunistic infections in HIV



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination - JULY- 2018

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY **Q.P. CODE: 1183**

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe in detail precipitation test.

SHORT ESSAY (3×5=15)

2. Moist heat sterilization

3. Entamoeba histolytica

4. Laboratory diagnosis of Syphilis

SHORT ANSWERS (5×2=10)

5. Draw a neat labeled diagram of bacterial spore

6. Name 4 RNA viruses

7. Bacterial growth curve phases with diagram

8. Blood agar preparation

9. Name 2 pathways of complement



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination – Dec - 2018

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

(Note : Both QP Codes 1182 and 1183 are to be answered within total duration of 3 hours) LONG
ESSAY

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the morphology, cultural characteristics, etiopathogenesis and laboratory diagnosis of Clostridium tetani

SHORT ESSAY

3 X 5 = 25 Marks

2. Type I hypersensitivity
3. Bacterial flagella
4. Laboratory diagnosis of diphtheria

SHORT ANSWERS

2 X 5 = 10 Marks

5. Cold sterilization
6. Staphylococcal food poisoning
7. Routes of transmission of HIV
8. Hepatitis B vaccine
9. Neat labeled diagram of IgA.



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination – June - 2019

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

(Note : Both QP Codes 1182 and 1183 are to be answered within total duration of 3 hours) LONG
ESSAY

LONG ESSAYS

1 x 10 = 10 Marks

1. Classify spirochetes. Describe in detail the pathogenesis and laboratory diagnosis of syphilis.

SHORT ESSAY

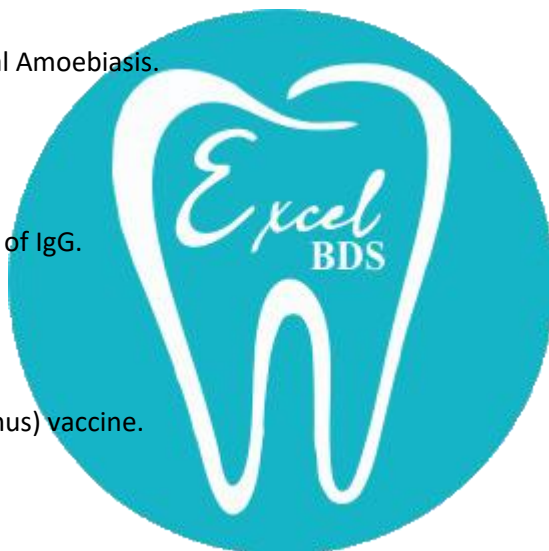
3 X 5 = 15 Marks

2. Laboratory diagnosis of Candidiasis.
3. Bacterial growth curve.
4. Laboratory diagnosis of intestinal Amoebiasis.

SHORT ANSWERS

2 X 5 = 10 Marks

5. Write neat and labelled diagram of IgG.
6. Name four RNA viruses.
7. Name four Leishmania species.
8. DPT (Diphtheria, Pertussis, Tetanus) vaccine.
9. Sterilization controls.



Rajiv Gandhi University of Health Sciences, Karnataka

II B.D.S Degree Examination – Dec - 2019

Time: Three Hours

Max. Marks: 35 Marks

MICROBIOLOGY

Q.P. CODE: 1183

(Note : Both QP Codes 1182 and 1183 are to be answered within total duration of 3 hours) LONG
ESSAY

LONG ESSAYS

1 x 10 = 10 Marks

1. Name the malarial parasite. Write in detail the life cycle pathogenesis and lab diagnosis of malaria

Short essay

2. Autoclave
3. Lab diagnosis of cholera
4. Rabies vaccine

Short answers

5. Write four contribution of Louis Pasteur
6. Triple sugar iron agar test
7. Enzyme linked immunosorbent assay
8. Name four experimental animals used in lab diagnosis
9. Draw neat labelled diagram of HIV



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