

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Nursing Degree Examination – 27-May-2022**

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY**  
**(RS2, RS3, RS4 & RS5)**  
**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary. Answer All Questions.

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of streptococcus pyogenes.
2. Explain the morphology, habitat life cycle, disease caused and laboratory diagnosis of Entamoeba histolytica.

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Draw a neat labeled diagram of bacterial cell and explain bacterial capsule.
4. Draw a neat labeled diagram of bacterial growth curve. Explain phases of growth curve.
5. Define infection. Describe the methods of transmission of infection.
6. Define sterilization. Explain sterilization by hot air oven.
7. Widal test.
8. Define immunity. Explain innate immunity.
9. Define immunization. Describe immunization schedule.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Name two contribution of Louis Pasteur in microbiology
11. Define anaerobic culture media.
12. Name two gram positive bacteria.
13. Name two gaseous disinfectants.
14. Name two specific test done for Syphilis detection.
15. Name two RNA viruses.
16. Name the parasites whose ova are detected in stool microscopy.
17. Define active immunity.
18. Name two live vaccines.
19. Mention two uses of ELISA test.

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**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Nursing Degree Examination – 14-Feb-2022**

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY**  
**(RS2, RS3, RS4 & RS5)**  
**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain the pathogenesis, clinical features, diagnosis of *Salmonella typhi*.
2. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of *Streptococcus pyogenes*.

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Explain harmful effects of microorganisms.
4. Draw a neat labeled bacterial cell. Explain bacterial nucleus.
5. Explain the different cultural media.
6. Define nosocomial infection. Explain wound infection in detail.
7. Define bio-medical waste. Describe the different methods of bio-medical waste treatment.
8. Define vaccine. Describe BCG vaccine.
9. Define immunity. Explain innate immunity.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Define medical microbiology.
11. Mention any two transport media.
12. Define slide agglutination.
13. Name the parasites whose cysts are detected in stool microscopy.
14. Name two cutaneous infection.
15. Define nosocomial infection.
16. Define iatrogenic infection.
17. Give two examples of Aerobic bacteria.
18. Mention four types of immunoglobulins.
19. Define immunization.

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**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Nursing Degree Examination – 04-Aug-2021**

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY**  
**(RS3, RS4 & RS5)**  
**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain in detail the morphology, cultural characteristics, pathogenecity, laboratory diagnosis of streptococcus pyogenes.
2. Explain in detail the morphology, cultural characteristics, pathogenecity, laboratory diagnosis of Gonococci.

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Draw a neat labeled diagram of bacterial growth curve. Explain stationary phase and decline phase.
4. Explain differential culture media.
5. Explain harmful effects of microorganisms.
6. Define disinfection. Explain gaseous disinfection.
7. Define nosocomial infection. Explain wound infection in detail.
8. Explain ELISA reaction.
9. Define immunity. Explain natural passive immunity.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Define medical microbiology.
11. Define anaerobic culture media.
12. Define precipitation reaction.
13. Name two bacterial exotoxins.
14. Define Pasteurization.
15. Define carrier.
16. Name two RNA viruses.
17. Name two acid fast bacteria.
18. Define active immunity.
19. Mention four types of immunoglobulin.

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**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Nursing Degree Examination – 17-Feb-2021**

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY**  
**(RS3, RS4 & RS5)**  
**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain the morphology, mode of transmission, pathogenicity, clinical symptoms, laboratory diagnosis and prophylaxis of hepatitis B virus.
2. Explain the morphology, life cycle, pathogenicity, laboratory diagnosis and prevention of *Entamoeba histolytica*.

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Draw a neat labeled bacterial cell. Explain bacterial capsule.
4. Explain anaerobic culture method.
5. Define culture method. Explain any two culture methods in detail.
6. Define disinfection. Explain gaseous disinfection.
7. Define infection. Describe the methods of transmission of infection.
8. Explain Widal test.
9. Define hypersensitivity. Explain Type I hypersensitivity.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Name four clinical syndromes caused by *E. coli*.
11. Name the motility test done to detect *Vibrio cholera*.
12. Give two examples of Gram-negative bacilli.
13. Define sterilization.
14. Define nosocomial infection.
15. Write two contributions of Louis Pasteur.
16. Name two bacteria causing diarrhea.
17. Name two zoonotic diseases.
18. Define immunization.
19. Write two uses of ELISA.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 11-Sep-2020

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS2, RS3 & RS4) Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary. Answer All Questions

### LONG ESSAYS

2 x 10 = 20 Marks

1. Name two medically important spirochetes. Explain in detail the morphology, cultural characteristics, laboratory diagnosis, pathogenicity and prophylaxis of Syphilis.
2. Classify the genus Staphylococcus. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of Staphylococcus aureus.

### SHORT ESSAYS

7 x 5 = 35 Marks

3. Draw a neat labeled bacterial cell. Explain Pili and Fimbriae.
4. Explain enriched culture media.
5. Explain gram staining method.
6. Define sterilization. Explain sterilization by filtration.
7. Define nosocomial infection. Explain iatrogenic infection and congenital infection.
8. Explain ELISA reaction.
9. Define antibody. Write the functions of IgA immunoglobulin.

### SHORT ANSWERS

10 x 2 = 20 Marks

10. Name two contributions of Joseph Lister.
11. Name two acid fast bacteria.
12. Give two examples of Gram-negative cocci.
13. Define harmless waste.
14. Give two functions of Alcohols.
15. Define Secondary infection.
16. Name two diseases caused by spirochetes.
17. Name two sexually transmitted diseases.
18. Name two live vaccine.
19. Define antigen and antibody.

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**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Nursing Degree Examination – OCT-2019**

**Time: Three Hours**

**Marks**

**Max. Marks: 75**

**MICROBIOLOGY**  
**(RS2, RS3 & RS4)**  
**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain the morphology, pathogenesis, clinical symptoms, laboratory diagnosis and prophylaxis of polio virus. (3+3+4)
2. Name the malarial parasites. Explain morphology, life cycle, clinical symptoms and laboratory diagnosis of Malarial Parasite.

**SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Draw a neat labeled bacterial cell. Explain Pili and Fimbriae.
4. Draw a neat labeled diagram of bacterial growth curve. Explain growth curve.
5. Explain gram staining method.
6. Define disinfection. Explain disinfection using phenol (carbolic acid).
7. Define bio-medical waste. Describe the different methods of bio-medical waste treatment.
8. Define immunity. Explain artificial active immunity.
9. Explain VDRL test.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Give two examples of spore bearing Gram positive bacilli.
11. Define fumigation.
12. Name two vectors and the diseases transmitted by them.
13. Define Focal sepsis.
14. Name four parasites causing anemia.
15. Define zoonosis.
16. Name two opportunistic infections associated with HIV infection.
17. Define antigen.
18. Name two live vaccine.
19. Name two types of precipitation test.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3) Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define sterilization. Write the principle of sterilization. Explain detail about Dry Heat method.
2. Define and classify hypersensitivity. Write mechanism and mediators of anaphylaxis and add a note on its clinical importance?
3. Describe morphology, culture characteristics, pathogenicity and laboratory diagnosis of infection caused by salmonella typhi.

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Prophylaxis in rabies
5. Gram's Stain- principle, theories and procedure.
6. Serological diagnosis of Syphilis.
7. Candidiasis.
8. Biomedical waste management.
9. Dermatophytes.
10. Immunization schedule.
11. IgG.
12. Varicella zoster virus

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Morphological classification of bacteria.
14. Blood agar
15. Mention four differences between Exotoxin and Endotoxin.
16. Mention the modes of transmission of Hepatitis B viral infection.
17. Name screening and confirmative test for HIV.
18. Name two special microscopes and mention one use for each.
19. Koch's postulates.
20. Name four common opportunistic infections encountered in HIV.
21. Draw a neat labeled diagram of Bacterial spore.
22. Name four anti-septic agents.

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**Rajiv Gandhi University of Health Sciences, Karnataka**  
I Year B.Sc. Nursing Degree Examination – SEP-2018

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY (RS - 3)**  
**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Define disinfectants. Mention general rules for use of disinfectants. Describe disinfectant of surfaces.
2. Define and classify Immunity. Write about acquired Immunity.
3. Classify Mycobacteria. Discuss the pathogenesis and laboratory diagnosis of pulmonary tuberculosis.

**SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Bacterial spore.
5. Prophylaxis of poliomyelitis.
6. Infections caused by Staphylococci aureus.
7. Laboratory diagnosis of bacterial meningitis.
8. Dermatophytosis.
9. Universal Precautions.
10. Cultivation of viruses.
11. Anaerobic method of cultivation.
12. Life-cycle of Ascaris lumbricoides.

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Bacterial capsule
14. Define bacteremia and septicaemia.
15. Draw a neat labeled diagram of Immunoglobulin-A (IgA).
16. Name two specific diagnostic tests for syphilis.
17. Draw a neat labeled diagram of trophozoite of Giardia lamblia.
18. Name four DNA viruses.
19. Name any four disinfectant agents.
20. Mention four contributions of Louis Pasteur.
21. Name four Zoonotic diseases.
22. Name two bacterial sexually transmitted diseases.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2018

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define sterilization. Classify. Explain moist heat in detail.
2. Define immunity. Classify. Explain innate immunity with mechanism.
3. Define Hospital acquired infection. Discuss the hospital infection control programme with the role of nurse in that.

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Gram staining
5. Bacterial cell wall
6. Growth curve
7. Prophylaxis of poliomyelitis
8. Lab diagnosis of cholera
9. Candida albicans
10. Infections and diseases caused by Staphylococcus aureus
11. Life cycle of malaria
12. Type IV hypersensitivity

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Define transport media. Give two examples.
14. Define anaerobic bacteria. Give two examples.
15. Name four diseases transmitted by mosquito bite.
16. BCG vaccine
17. Mention four contributions of Robert Koch.
18. Antibiotic Sensitivity test
19. Mention any two sexually transmitted diseases.
20. Types of culture medias.
21. Cultivation of viruses
22. Name any two parasites.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – OCT - 2017

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

Your answers should be specific to the questions asked.  
Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define culture media. Explain about enriched media or transport media or selective media or differential media.
2. Classify mycobacterium. Explain in detail about morphology, pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
3. What is enteric fever? Write about the pathogenesis and lab diagnosis of typhoid fever.

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Candida albicans or candidiasis
5. Immunoglobulin
6. Antibiotic sensitivity test
7. Rabies vaccine
8. Bacterial growth curve
9. Contribution of Louis Pasteur
10. Bacterial spore
11. Laboratory diagnosis of Corynebacteria diphtheria.
12. Widal test

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Name live vaccine.
14. Name four types of diarrhoea caused by E. Coli.
15. Name four DNA virus and RNA viruses.
16. Name four zoonotic infections.
17. Pasteurization
18. Name the method of treatment of biomedical waste.
19. Name any four transport media.
20. Hanging drop method
21. Draw a neat labeled diagram of a spore.
22. Gram staining procedure.

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# Rajiv Gandhi University of Health Sciences, Karnataka

1 Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define and classify hypersensitivity. Explain type I hypersensitivity.
2. Describe the morphology of a bacterial cell with a neat labelled diagram.
3. Explain the pathogenesis, structure and lab diagnosis of HIV.

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. List down the methods of sterilization. Explain any one method in detail.
5. Enriched media and selective media with examples.
6. Laboratory diagnosis of Tuberculosis.
7. H1N1 virus.
8. Immunization schedule.
9. Acquired immunity.
10. Hydatid cyst.
11. Gram staining.
12. Dermatophytes.

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Name two gaseous disinfectants.
14. Four contributions of Louis Pasteur.
15. Cold chain.
16. Biomedical waste management.
17. Oral thrush.
18. VDRL test.
19. OPV and IPV.
20. Name four intestinal nematodes.
21. Name four bacteria causing nosocomial infections.
22. Flagella.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – SEP 2016

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3) Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define infection. Describe the factors predisposing to microbial pathogenicity.
2. Name the Hepatitis viruses. Write on Hepatitis B viruses.
3. Discuss the pathogenicity, laboratory diagnosis and prophylaxis of coryne bacterium Diphtheria.

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Bacterial flagella
5. Autoclave
6. Immunoglobulin
7. Laboratory diagnosis of Syphilis
8. Blood culture for typhoid fever.
9. Prophylaxis of Rabies
10. Life cycle of *Ascaris lumbricoides*
11. Type I hypersensitivity
12. Laboratory diagnosis of Amoebiasis

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Draw a neat, labeled diagram of bacterial spore.
14. Fumigation
15. BCG Vaccine
16. Name two bacteria associated with urinary tract infection.
17. Draw a neat, labeled diagram of *Giardia intestinalis*.
18. Define selective media with an example.
19. Define iatrogenic infection.
20. Name two Dermatophytes.
21. Define Nosocomial infection
22. Name four species of malarial parasites.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – MAY 2016

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Discuss the pathogenesis and laboratory diagnosis of vibrio cholerae.
2. Define infection and classify. Discuss in detail about nosocomial infection.
3. Define immunity and classify. Explain acquired immunity in detail.

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Hot air oven
5. Bacterial capsule.
6. Lab diagnosis of syphilis.
7. Anaerobic culture methods.
8. Candida albicans.
9. Pathogenesis and lab diagnosis of Mycobacterium tuberculi
10. Life cycle of Entamoeba histolytica.
11. Hepatitis B virus.
12. Universal precautions.

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Mention any four contributions of Joseph Lister.
14. MMR Vaccine.
15. Name two acid fast bacteria.
16. Autoclaving.
17. Name two RNA and DNA viruses.
18. Name four malarial parasites.
19. Structure of Immunoglobulin G
20. Expand ELISA and mention types.
21. Name two Zoonotic diseases.
22. Pasteurization.

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination - SEPTEMBER 2015

Time: Three Hours

Max. Marks: 75 Marks

## MICROBIOLOGY (RS - 3) Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Classify hypersensitivity. Briefly write about Type I hypersensitivity.
2. Describe the pathogenicity and laboratory diagnosis of pulmonary tuberculosis and add a note on RNTCP.
3. Define Nosocomial infection. Explain source and mode of transmission of Nosocomial infection. What are the steps taken to control such infections?

### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Bacterial spore
5. Hot air oven
6. Laboratory diagnosis of syphilis
7. *Candida albicans*
8. Laboratory diagnosis of Hepatitis B virus infection
9. Life cycle of *Plasmodium falciparum* in man
10. Immunisation schedule
11. Bacterial exotoxins
12. Immunoglobulin G (IgG)

### SHORT ANSWERS

10 x 2 = 20 Marks

13. Name two gaseous disinfectants.
14. Define an antigen.
15. Draw a neat, labeled diagram of bacterial growth curve.
16. Name two bile stained ova.
17. Draw a neat, labeled diagram of trophozoite of *Entamoeba histolytica*.
18. Define enriched media. Give one example.
19. Name two RNA viruses.
20. Name two bacteria causing sexually transmitted disease.
21. Write the steps of Gram staining.
22. Define mechanical vector and biological vector.

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Kajiv Gandhi University of Health Sciences, Karnataka  
1 Year B.Sc. Nursing Degree Examination - APRIL 2015

Time: Three Hours

Max. Marks: 75 Marks

MICROBIOLOGY (RS - 3)  
Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Describe the pathogenicity and laboratory diagnosis of infection caused by salmonella typhi
2. What is Amoebiasis? Discuss the pathogenicity, laboratory diagnosis of Amoebiasis and its prevention
3. Define sterilization and disinfection. Discuss applications of various disinfectants in clinical practices

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. ELISA and its uses
5. Paralytic poliomyelitis - clinical features and prevention
6. Different sources of infections
7. Bacterial capsule - chemical composition and functions
8. Rabies vaccines
9. Ascaris lumbricoides - life cycle, clinical features and treatment
10. Laboratory diagnosis of Diphtheria
11. Negative staining - principle and procedure
12. Stool examination for parasitic ova and cysts

SHORT ANSWERS

10 x 2 = 20 Marks

13. Write any two RNA viruses
14. Diagram of IgG
15. Name the types of hypersensitivity
16. Name any two tape worms
17. Four phases of Bacterial growth curve
18. What are Interferons
19. Name the dermatophytes
20. Name two zoonotic diseases
21. Name any two bacterial vaccines
22. Define Antisepsis



Rajiv Gandhi University of Health Sciences, Karnataka  
1 Year B.Sc. Nursing Degree Examination - September 2014

Time: Three Hours

Max. Marks: 75 Marks

MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Classify Streptococci. Describe pathogenicity & laboratory diagnosis of streptococci pyogenes infection.
2. Define sterilization. Classify sterilization and write in detail about Hot air oven.
3. Write the life cycle, pathogenesis and lab diagnosis of *Ascaris lumbricoides* (Round Worm)?

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Nosocomial Infections.
5. Immunization schedule.
6. Autoclave.
7. Bacterial spore.
8. Innate Immunity.
9. Prophylaxis of Poliomyelitis.
10. *Candida albicans*.
11. Laboratory diagnosis of syphilis.
12. Bacterial growth curve.

SHORT ANSWERS

10 x 2 = 20 Marks

13. Draw a neat labeled diagram of *Trichomonas Vaginalis*.
14. Name 2 disinfectants.
15. Name two bacterial zoonotic diseases.
16. Name 4 diseases transmitted by Mosquito bite.
17. Draw a neat labeled diagram of Immunoglobulin M.
18. Gram's Staining procedure.
19. BCG vaccine.
20. Define enriched media. Give two examples.
21. What is significant bacteriuria?
22. Name two Bile Stained Eggs.



**Rajiv Gandhi University of Health Sciences, Karnataka**

I Year B.Sc. Nursing Degree Examination – April 2014

**Time: Three Hours****Max. Marks: 75 Marks****MICROBIOLOGY (RS - 3)****Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Answer any Two)****2 x 10 = 20 Marks**

1. Define immunity. Classify immunity and explain in detail about innate immunity.
2. Mention four different species causing Malaria. Explain life cycle of any one in detail with lab diagnosis prevention and treatment
3. Classify mycobacteria. Discuss the pathogenicity and the laboratory diagnosis of Mycobacterium tuberculosis

**SHORT ESSAYS (Answer any Seven)****7 x 5 = 35 Marks**

4. Widal test
5. Use of Radiations in sterilization
6. Nosocomial infections-their development and control
7. Bacterial Growth curve
8. Hepatitis B virus
9. Taenia solium – life cycle, clinical features and treatment
10. Candida albicans
11. Gram's staining – principle and procedure
12. Mention antibiotic sensitivity tests and explain anyone in detail

**SHORT ANSWERS****10 x 2 = 20 Marks**

13. Write any two functions of Bacterial capsule
14. Diagram of a autoclave
15. Name any two sexually transmitted diseases causing viruses
16. Name the dermatophytes
17. Name the antibodies
18. What is Incineration
19. Write any two universal precautions
20. Name two popular polio vaccines
21. Define sterilization
22. What are vectors

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**Rajiv Gandhi University of Health Sciences, Karnataka**  
I Year B.Sc. Nursing Degree Examination – Aug 2013

**Time: Three Hours**

**Max. Marks: 75 Marks**

**MICROBIOLOGY (RS - 3)**

**Q.P. CODE: 1759**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Define and classify sterilization. Give an account of moist heat sterilization.
2. Classify viruses. Discuss in detail cultivation of viruses.
3. Describe the morphology, lifecycle, pathogenicity and laboratory diagnosis of *Entamoeba histolytica*.

**SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Bacterial growth curve
5. Laboratory diagnosis of enteric fever
6. Acquired immunity
7. Anaphylaxis
8. Dermatophytes
9. Laboratory diagnosis of HIV infection
10. Examination of stool for parasitic infections
11. Nosocomial infection
12. Antibiotic sensitivity testing

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Name two zoonotic diseases.
14. Draw a neat, labeled diagram of Immunoglobulin M (IgM).
15. Give two examples of selective media.
16. Name two methods of Pasteurisation.
17. DPT vaccine
18. Oral thrush
19. Name two viruses causing diarrhea.
20. Draw a neat, labeled diagram of hookworm ova.
21. Name two bacterial exotoxins.
22. VDRL test

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# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Mar 2013

**Time: Three Hours**

**Max. Marks: 75 Marks**

## MICROBIOLOGY (RS - 3)

### Q.P. CODE: 1759

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

#### **LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Mention the various Malarial parasites. Describe the life cycle and laboratory diagnosis of Plasmodium Falciparum
2. Define and classify immunity. Discuss the various mechanisms of innate immunity
3. Enumerate various sexually transmitted diseases and their causative agents. Describe in detail the laboratory diagnosis of syphilis

#### **SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Bacterial spore
5. Antiseptics and disinfectants
6. Structure of an immunoglobulin
7. Widal test
8. Exotoxins and endotoxins
9. B.C.G
10. Universal precautions
11. Life cycle of Ancylostoma duodenale
12. Prophylaxis of Poliomyelitis

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Mention two Anaerobic culture media
14. Gram's Stain
15. Name two bacteria causing nosocomial infection
16. Draw a neat labeled diagram of bacterial growth curve
17. Name two Post-Streptococcal complications
18. Name the Bacteria causing Gas gangrene
19. MMR Vaccine
20. Draw a neat labeled diagram of trophozoite of Giardia Lamblia
21. Mention two somatic nematodes
22. Name two subcutaneous mycosis

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