(Deemed to be University)

First Year B. Sc. Nursing Examination, June 2018

Paper Title:

Microbiology

Date:

11th June, 2018

Paper Code:

NU- 105

Marks:

75

Time:

9.30 am to 12.30 pm

Instruction to the Candidates:

1. All questions are compulsory.

2. Neat diagrams must be drawn wherever necessary.

3. Answer written in illegible handwriting will not be assessed.

4. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section - B

Que. 2 Answer the following (Any Three)

Marks 15 (3x5)

- a) Robert Koch
- b) Name four killed vaccines
- c) Flagella
- d) Negative staining

Que. 3 Answer the following

Marks 15 (3x5)

- a) Fumigation
- b) Widal test
- c) Types of infection

Que. 4 Answer the following

Marks 10

Define and classify culture media

Que. 5 Answer the following

Marks 20 (2x10)

a) Describe the structure and pathogenecity of HIV virus and outline the laboratory diagnosis

b) Bacterial growth curve.

OR

- a) Classify hypersensitivity reactions; describe in detail about type I hypersensitivity reaction
- b) Mention laboratory diagnosis of pulmonary tuberculosis.

(Deemed University)

First Year B. Sc. Nursing Examination, July 2017

Paper Title:

Microbiology

Date:

19th July 2017

Paper Code:

NU- 105

Marks:

75

Time:

09.30 am to 12.30 pm

Instruction to the Candidates:

1. All questions are compulsory.

2. Neat diagrams must be drawn wherever necessary.

3. Answer written in illegible handwriting will not be assessed.

4. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

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	Section - B	
Que. 2	Answer the following (any three)	Marks 15 (3X5)
	a) BCG vaccine	(0.125)
	b) Robert Koch	
	c) Bacterial growth curve	
	d) Importance of microbiology in nursing	
Que. 3	Answer the following	Marks 15
	a) Collection and transport of specimens	(3X5)
	b) Difference between exotoxins and endotoxins	
	c) ELISA	
Que. 4	Answer the following a) Define hospital acquired infection	Marks 10 (2+3+5)
	b) Discuss on routes of transmission	
	c) Explain the prevention of hospital associated infection	
Que. 5	Answer the following	Marks 20
	a) Name various organisms causing sore throat, how will you diagnose it in the laboratory	(2X10)
	b) Define sterilization, write in detail on chemical methods of sterilization OR	
	a) Define biomedical waste, discuss the steps of biomedical waste management in detail	(2+8)
	b) Define and enumerate the causes of pyrexia of unknown origin (PUO),	(4+6)

and discuss the laboratory diagnosis of PUO

First Year B. Sc. Nursing Examination, June 2016

Paper Title:

Microbiology

Date:

10th June 2016

Paper Code:

NU - 105

Marks:

75 .

Time:

9.30 am to 12.30 pm

Instruction to the Candidates:

1. All question are compulsory.

- 2. Neat diagrams must be drawn wherever necessary.
- 3. Write answer on both sides of answer book.
- 4. Answer written in illegible handwriting will not be assessed.
- 5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

1	Section B	Marks 15
Que. 2	Answer the following: (any three)	(3X5)
	a) Standard tests for syphilis	
	b) Role of normal flora	
	c) Methods of anaerobic culture	
	d) Coagulase test	
Que. 3	Answer the following (any three):	Marks 15 (3X5)
	a) Type I hypersensitivity reaction	
	b) Live attenuated vaccine	
	c) Swine flu	
	d) Elek's gel precipitation test	
Que. 4	Answer the following:	Marks 10
	Classify mycobacteria, and discuss the laboratory diagnosis of pulmonary	
	tuberculosis	
Que. 5	Answer the following:	Marks 20 (2X10)
	a) Enumerate the causative agents of acute pyogenic meningitis, and	
	describe the laboratory diagnosis of acute pyogenic meningitis	
	b) Discuss the pathogenesis and laboratory diagnosis of polio virus	
	OR	
	a) Classify, and discuss the various culture medias	(2X10)
	b) Discuss the methods of sterilization by moist heat	

First Year B. Sc. Nursing Examination, June 2016

Paper Title:

Microbiology

Date:

10th June 2016

Paper Code:

NU - 105

Marks:

75 .

Time: 9.30 am to 12.30 pm

Instruction to the Candidates:

1. All question are compulsory.

- 2. Neat diagrams must be drawn wherever necessary.
- 3. Write answer on both sides of answer book.
- 4. Answer written in illegible handwriting will not be assessed.
- 5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

1	Section B	Marks 15
Que, 2	Answer the following: (any three)	(3X5)
	a) Standard tests for syphilis	
	b) Role of normal flora	
	c) Methods of anaerobic culture	
	d) Coagulase test	
Que. 3	Answer the following (any three):	Marks 15 (3X5)
	a) Type I hypersensitivity reaction	
	b) Live attenuated vaccine	
	c) Swine flu	
	d) Elek's gel precipitation test	
Que. 4	Answer the following:	Marks 10
	Classify mycobacteria, and discuss the laboratory diagnosis of pulmonary	
	tuberculosis	
Que. 5	Answer the following:	Marks 20 (2X10)
	a) Enumerate the causative agents of acute pyogenic meningitis, and	(2A10)
	describe the laboratory diagnosis of acute pyogenic meningitis	
	b) Discuss the pathogenesis and laboratory diagnosis of polio virus	
	OR	
	a) Classify, and discuss the various culture medias	(2X10)
	b) Discuss the methods of sterilization by moist heat	

First Year B. Sc. Nursing Examination, June 2015

Paper Title:

Microbiology

Date:

16th June 2015

Paper Code:

NU - 105

Marks:

75

Time:

2.30 pm to 5.30 pm

Instruction to the Candidates:

1. All question are compulsory.

- 2. Neat diagrams must be drawn wherever necessary.
- 3. Write answer on both sides of answer book.

tuberculosis

causes

- 4. Answer written in illegible handwriting will not be assessed.
- 5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

	Section B	Marks 15
Que. 2	Answer the following: (any five)	(5X3)
	a) Importance of microbiology in nursing	
	b) Characteristics of microbes	
	c) Gram staining	
	d) Structure of HIV virus	
	e) Laboratory diagnosis of enteric fever	
	f) Enlist the names of six parasites	Moules 15
Que. 3	Answer the following (any three):	Marks 15 (3X5)
	a) Hypersensitivity reaction	
	b) Types of vaccines	
	c) Cold chain	
	d) Gas gangrene pathogenesis	
Que. 4	Answer the following:	Marks 10 (2+8)
	a) Define immunity	(2+8)
	b) Describe the immunity in detail	
Que, 5	Answer the following:	Marks 20
	a) i) Define nosocomial infection	(2+8)
	ii) Write in detail note on biomedical waste management	
	b) i) Define sterifization	(2+8)
	ii) Write in detail on sterilization methods	
	OR	

a) Describe the pathogenesis and laboratory diagnosis of mycobacterium

b) Discuss the laboratory diagnosis of pyrexia of unknown origin and its

(10+10)

First Year B. Sc. Nursing Examination, December 2016

Paper Title:

Microbiology

Date:

9th December 2016

Paper Code:

NU - 105

Marks:

75

Time:

9.30 am to 12.30 pm

Instruction to the Candidates:

- 1. All questions are compulsory.
- 2. Neat diagrams must be drawn wherever necessary.
- Write answer on both sides of answer book.
- 4. Answer written in illegible handwriting will not be assessed.

5. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes Section B Marks 15 Answer the following: (any three) Que. 2 (3X5) a) Draw a labeled diagram of bacterial cell b) Define culture media, write short note on enrichment media c) Principles of microbiology applied in nursing practice d) Gram staining Marks 15 Answer the following One J (3X5)a) Sterilization control b) Widal test c) Normal flora of gastrointestinal tract Marks 19 Answer the following: Que. 4 (2+3)a) Define infection b) Explain the sources and methods of transmission of infection Marks 20 Answer the following: Que. 5 (2X10) a) Describe life cycle of plasmodium vivax and write the laboratory diagnosis of malaria caused by this parasite

b) Define medical microbiology, and explain the role and functions of infection control nurse

OR

- a) Define hypersensitivity, classify hypersensitivity reactions, and describe in detail on Type I hypersensitivity reactions
- b) Describe the morphology of HIV, discuss briefly about modes of transmission of HIV infection, and write the laboratory diagnosis of it

(Deemed University)

First Year B. Sc. Nursing Examination, December 2015

Paper Title:

Microbiology

Date:

9th December 2015

Paper Code:

NU-105

Marks:

75

Time:

09.30 am to 12.30 pm

Instruction to the Candidates:

1. All questions are compulsory.

2. Neat diagrams must be drawn wherever necessary.

3. Answer written in illegible handwriting will not be assessed.

4. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section - B

Que. 2 Answer the following (any three)

Marks 15 (3X5)

- a) Koch's Postulates
- b) Polio vaccine
- c) Normal bacterial flora of skin
- d) Immunization schedule

Que. 3 Answer the following (any three)

Marks 15 (3X5)

- a) Coagulase test
- b) Difference between active and passive immunity
- c) Properties of ideal disinfectant
- d) Enumerate the causes of diarrhea

Que. 4 Answer the following

Marks 10

What is bacterial colony? Write in detail about growth and nutritional requirements of bacteria

Que. 5 Answer the following

Marks 20

a) Describe the laboratory diagnosis of infections cause by hepatitis B virus

(2X10)

b) Define sterilization? Write in detail on autoclave

OR

- a) What is the role of nurse in controlling and preventing hospital infections
- b) Describe the life cycle of plasmodium vivax, and write the laboratory diagnosis of malaria caused by this parasite

(Deemed University)

First Year B. Sc. Nursing Examination, December 2014

Paper Title:

Microbiology

10th December 2014

Paper Code:

NU - 105

Time:

2.30 pm to 5.30 pm

Marks:

75

Instruction to the Candidates:

- 1. All question are compulsory.
- 2. Neat diagrams must be drawn wherever necessary.
- 4. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section B

Answer the following (any three) Que. 2

Marks 15 (3X5)

- a) Inspissations
 - b) Koch's postulates
 - c) Contribution of Louis Pasteur to microbiology
 - d) Enriched media

Marks 15

Answer the following Que. 3

(3X5)

- a) Sterilization by radiation
- b) Antigen
- c) Acquired immunity

Marks 10

Name the various classes of Immuoglobulins. Describe the structure and Que.-4

properties of lgG

Answer the following Que. 5

Marks 20 (2X10)

- a) List down the bacteria's causing urinary tract infection and discuss laboratory diagnosis of urinary tract infection
- b) Discuss the staining procedure used in microbiology

- a) Discuss hospital waste management
- b) Define hospital acquired infection. Enumerate the microorganisms causing it. What are the factors contribute in development of hospital acquired infection

(Deemed University)

First Year B. Sc. Nursing Examination, June 2014

Paper Title:

Microbiology

Date: 11th June 2014

Paper Code:

NU- 105

Marles:

75

Time:

2.30 pm to 5.30 pm

Instruction to the Candidates:

1. All question are compulsory.

2. Neat diagrams must be drawn wherever necessary.

3. Answer written in illegible handwriting will not be assessed.

1. A Separate Answer sheet is provided for MCQ which will be collected after 20 minutes

Section - B

Que. 2 Answer the following (any three)

Marks 15 (353)

- a) Bacterial cell wall
- b) Live attenuated vaccines
- c) Bacterial growth curve
- d) Hot air oven

Oac. 3 Answer the following

Marks 15

(3X5)

- a) Morphology of HIV
 - b) Role of normal microbial flora
 - c) Hagella

Marks 10

Que. 4 Answer the following

Define hospital acquired infection, enumerate the microorganisms causing it, and write what are the factors which contribute in development of hospital acquired infections

Que. 5 Answer the following

Marks 20 (2510)

- a) Define sterifization and disinfection, add a note on principle and functioning of autoclave
- b) Describe in detail the laboratory diagnosis of enteric fever

- a) Describe the morphology and pathogenesis of Cl. Diphtheriae and discuss the laboratory diagnosis of Diphtheria
- b) Discuss the staining procedures used in microbiology