

Time: 3 Hours.

## B.Sc.(N) [Post Basic (1st Year)]

## Microbiology [New Scheme-w.e.f. 2007 admission]

M.M.: 75

1	Note:	Attemp	t all questions.			
i. Rabies is caused by ii. The causative agent of pityriasis versicolor is iii. Malaria is caused by v. Cholera is caused by v. Glasswares are best sterilized by vi. Mae Intosh filde's jar is used for vii. Tetanus is caused by viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by viii. Which of the following bacteria is cell wall deficient.? (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella iii. Which of the following protozoa can cause diarrhea? (a) Entamocba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above v. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above 2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6] 3. (a) Define the following terms: i. Sterilization. [1] ii. Disinfection. [6] 4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [6] 5. Write Short Notes on any FIVE of the following: (c) Direcus in brief about type I hypersensitivity reaction. [6]	1A.	Give one word answer of the following:				[1x10=10]
ii. The causative agent of pityriasis versicolor is iii. Malaria is caused by iv. Cholera is caused by v. Glasswares are best sterilized by vi. Mac Intosh filde's jar is used for vii. Tetanus is caused by viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by x. Botulism is caused by x. Botulism is caused by x. Which of the following bacteria is cell wall deficient? (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella iii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella (c) Proteus (d) All of the above v. Which of the following vaccines is /are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above 2. (a) Define virus. [2] (b) General properties of viruses. [4] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6] 5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Discuss in brief about type I hypersensitivity reaction. [6]						
iii.   Malaria is caused by   iv.   Cholera is caused by   v.   Cflasswares are best sterilized by   vi.   Mac Intosh filde's jar is used for   viii.   Tetanus is caused by   viii.   Tetanus is caused by   viii.   The resolution power of naked eye is   viii.   The resolution power of naked eye is   viii.   Leprosy is caused by   viii.   The resolution power of naked eye is   viii.   Leprosy is caused by   viii.   The resolution power of naked eye is   viii.   Leprosy is caused by   viii.   V		ii.				
iv. Cholera is caused by v. Glasswares are best sterilized by vi. Mac Intosh filde's jar is used for vii. Tetanus is caused by viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by  1B. Pick up the most appropriate answer: i. Which of the following bacteria is cell wall deficient? (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella iii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] ii. Disinfection. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [8]  5. Write Short Notes on any FIVE of the following: (c) Discuss in brief diseases: (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		iii.				
v. Glasswares are best sterilized by vi. Mac Intosh filde's jar is used for vii. Tetanus is caused by viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by  IB. Pick up the most appropriate answer:  (a) Mycoplasma (b) Treponema (c) Staphylococus (d) Klebsiella  ii. Which of the following bacteria is cell wall deficient? (a) Mycoplasma (b) Treponema (c) Staphylococus (d) Klebsiella  iii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:		iv.				
vii. Mac Intosh filde's jar is used for viii. Tetanus is caused by viii. Tetanus is caused by x. Botulism is caused by x. Botulism is caused by x. Botulism is caused by 1B. Pick up the most appropriate answer: (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella iii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (e) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: (i) Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [6] (c) Discuss in brief diseases in brief bollowing: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Discuss in brief of the following: [5x5=25] (d) Vaccine (e) Bacterial cell wall. (f) Culture media.		v.	Glasswares are best sterilized by			
viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by  ii. Which of the following bacteria is cell wall deficient?  (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella  iii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iiii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Bacterial cell wall. (b) Acid fast staining (c) Dermatophytosis. [6] (d) Vaccines.		vi.	Mac Intosh filde's jar is used for			
viii. The resolution power of naked eye is ix. Leprosy is caused by x. Botulism is caused by  IB. Pick up the most appropriate answer:  (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella  ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea?  (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (f) Culture media.		vii.				
ix.   Leprosy is caused by		viii.	The resolution power of naked eye is	•		
R. Botulism is caused by  i. Which of the following bacteria is cell wall deficient?  (a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella  ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea?  (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella (c) Proteus (d) All of the above  v. Which of the following vaccines is /are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines.		ix.				
18.		x.	Botulism is caused by	•** •**		
(a) Mycoplasma (b) Treponema (c) Staphylococcus (d) Klebsiella  iii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [3] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [8] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. [6]	1B.					
(c) Staphylococcus (d) Klebsiella  ii. Silver impregnation method is used for demonstration of: (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea?  (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [8]  4. (a) Define hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: (c) Dematophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		i.	Which of the following bacteria is cell wal			
ii. Silver impregnation method is used for demonstration of:  (a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea?  (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [4] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [8]  4. (a) Define hypersensitivity. [8] (b) Classify hypersensitivity reaction. [8] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: (c) Bacterial cell wall. (f) Culture media.						
(a) Spirochaetes (b) Vibrios (c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea? (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: (e) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.			(c) Staphylococcus	(d)	* Klebsiella	
(c) Shigella (d) Salmonella  iii. Which of the following protozoa can cause diarrhea?  (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		ii. Silver impregnation method is used for demonstration of:				
iii. Which of the following protozoa can cause diarrhea?  (a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients? (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.						
(a) Entamoeba histolytica (b) Giardia lamblia (c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.			(c) Shigella	(d)	Salmonella	
(c) Cryptosporidium parvum (d) All of the above  iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		iii.		e diarrhea		
iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.				(b)	Giardia lamblia	
iv. Which of the following bacteria can cause urinary tract infection in hospitalized patients?  (a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  v. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.						
(a) Escherichia coli (b) Klebsiella. (c) Proteus (d) All of the above  V. Which of the following vaccines is / are killed vaccine/s? (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms: i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.						
v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus.  (b) General properties of viruses. (c) Classification of viruses. (d) Discuss in brief diseases caused by viruses in man and their control.  3. (a) Define the following terms:  i. Sterilization. ii. Disinfection. (b) Describe the physical methods of Sterilization.  (a) Define hypersensitivity. (b) Classify hypersensitivity reaction. (c) Discuss in brief about type I hypersensitivity reaction. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		iv.	N. T. C.	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]		
v. Which of the following vaccines is / are killed vaccine/s?  (a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. (b) General properties of viruses. (c) Classification of viruses. (d) Discuss in brief diseases caused by viruses in man and their control.  3. (a) Define the following terms:  i. Sterilization. ii. Disinfection. (b) Describe the physical methods of Sterilization.  4. (a) Define hypersensitivity. (b) Classify hypersensitivity reaction. (c) Discuss in brief about type I hypersensitivity reaction. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.				(b)	Klebsiella.	(c) Proteus
(a) Pertusis Vaccine (b) Cholera Vaccine (c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2]         (b) General properties of viruses. [3]         (c) Classification of viruses. [4]         (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:						
(c) Japanese encephalitis Vaccine (d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		v.	The first property of the control of			
(d) All of the above  2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.				(b)	Cholera Vaccine	
2. (a) Define virus. [2] (b) General properties of viruses. [3] (c) Classification of viruses. [4] (d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.						
(b) General properties of viruses. (c) Classification of viruses. (d) Discuss in brief diseases caused by viruses in man and their control.  3. (a) Define the following terms:	-	2.5	60 - 60			
(c) Classification of viruses. (d) Discuss in brief diseases caused by viruses in man and their control.  (a) Define the following terms:  i. Sterilization.  ii. Disinfection.  (b) Describe the physical methods of Sterilization.  (a) Define hypersensitivity.  (b) Classify hypersensitivity reaction.  (c) Discuss in brief about type I hypersensitivity reaction.  (d) Vaccines. (e) Bacterial cell wall.  (e) Classification of viruses.  [4]  [4]  [5]  [6]  [7]  [8]	2.					
(d) Discuss in brief diseases caused by viruses in man and their control. [6]  3. (a) Define the following terms:  i. Sterilization. [1]  ii. Disinfection. [1]  (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1]  (b) Classify hypersensitivity reaction. [3]  (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25]  (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.						
3. (a) Define the following terms:  i. Sterilization. [1]  ii. Disinfection. [1]  (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1]  (b) Classify hypersensitivity reaction. [3]  (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25]  (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		2.7				
i. Sterilization. [1] ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.	3.	(a)	Define the following terms:			
ii. Disinfection. [1] (b) Describe the physical methods of Sterilization. [8]  4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		(4)				[1]
4. (a) Define hypersensitivity. [1] (b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.			ii. Disinfection.			
(b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		(b)	Describe the physical methods of Steriliza	[8]		
(b) Classify hypersensitivity reaction. [3] (c) Discuss in brief about type I hypersensitivity reaction. [6]  5. Write Short Notes on any FIVE of the following: [5x5=25] (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.	4.	(a)	Define hypersensitivity.			[1]
5. Write Short Notes on any FIVE of the following:  (a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		100000000000000000000000000000000000000	Classify hypersensitivity reaction.	[3]		
(a) Koch's postulate (b) Acid fast staining (c) Dermatophytosis. (d) Vaccines. (e) Bacterial cell wall. (f) Culture media.		(c) Discuss in brief about type I hypersensitivity reaction.				[6]
<ul> <li>(c) Dermatophytosis.</li> <li>(d) Vaccines.</li> <li>(e) Bacterial cell wall.</li> <li>(f) Culture media.</li> </ul>	5.	Write Short Notes on any FIVE of the following:				[5x5=25]
(e) Bacterial cell wall. (f) Culture media.		0.000				3
		200				
(g) Zoonotic diseases		(e) (g)	Zoonotic diseases.	(1)	Culture media.	