Q.1	Which of the following bacterial genera is known for its ability to produce endotoxins?	
	The second of th	
		Question ID:
Maı	ks 1	10091292
No	Options Details	Correct Option
1	Salmonella	✓
2	Streptococcus	•
3	Clostridium	
4	Mycobacterium	
-	Wycobacterium	
Q.2	Which of the following is a type of hypersensitivity reaction mediated by IgE antibodies?	•
		Question ID:
Mai	ks 1	10091293
ivia		10091293
No	Options Details	Correct Option
1	Type I	✓
2	Type II	
3	Type III	
4	Type IV	
Q.3	Which of the following is a mechanism by which bacteria acquire antibiotic resistance g	enes from other
	bacterial species?	
		Question ID:
Mai	ks 1	10091294
iviai		10031234
No	Options Details	Correct Option
1	Transformation	
2	Transduction	
3	Conjugation	✓
4	Transposition	· · · · · · · · · · · · · · · · · · ·
	·	

Exam Name

Description

Total Questions

: Microbiology HNGU

: 100

Q.4	Which of the following viruses is responsible for causing cervical cancer?	
		-
		Question ID:
Ma	rks 1	10091295
No	Options Details	Correct Option
1	Human papillomavirus (HPV)	✓
2	Herpes simplex virus (HSV)	
3	Epstein-Barr virus (EBV)	
4	Hepatitis B virus (HBV)	-
	Which of the fellowing is an autifum all during the tribunate formal cell accombinate with a	
Q.5	Which of the following is an antifungal drug that disrupts fungal cell membrane integrity	·
١		Question ID:
Mai	rks 1	10091296
No	Options Details	Correct Option
1	Penicillin	
2	Vancomycin	
3	Amphotericin B	✓
4	Ciprofloxacin	
1	Ciprolloxaciii	
Q.6		
Q.6	Which of the following is an example of a biofilm-associated bacterial infection?	Question ID:
	Which of the following is an example of a biofilm-associated bacterial infection?	Question ID: 10091297
Q.6	Which of the following is an example of a biofilm-associated bacterial infection?	10091297
Q.6	Which of the following is an example of a biofilm-associated bacterial infection? rks 1 Options Details	1 1 1
Q.6	Which of the following is an example of a biofilm-associated bacterial infection? The second of the following is an example of a biofilm-associated bacterial infection?	10091297
Q.6	Which of the following is an example of a biofilm-associated bacterial infection? rks 1 Options Details	10091297
Q.6	Which of the following is an example of a biofilm-associated bacterial infection? rks 1 Options Details Urinary tract infection	10091297
Q.6 Ma No 1	Which of the following is an example of a biofilm-associated bacterial infection? The street of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis	Correct Option
Q.6 No 1 2 3	Which of the following is an example of a biofilm-associated bacterial infection? This is a property of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis	10091297
Q.6 No 1 2 3	Which of the following is an example of a biofilm-associated bacterial infection? This I Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis	10091297 Correct Option ✓
Q.6 Ma No 1 2 3 4	Which of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis Which of the following is a method used to culture anaerobic bacteria in the laboratory?	Correct Option ✓
Q.6 No 1 2 3 4	Which of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis Which of the following is a method used to culture anaerobic bacteria in the laboratory?	Correct Option ✓ Question ID: 10091298
Q.6 Ma No 1 2 3 4 Q.7	Which of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis Which of the following is a method used to culture anaerobic bacteria in the laboratory? Which of the following is a method used to culture anaerobic bacteria in the laboratory?	Correct Option ✓ Question ID:
Q.6 No 1 2 3 4 Q.7	Which of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis Which of the following is a method used to culture anaerobic bacteria in the laboratory? Which of the following is a method used to culture anaerobic bacteria in the laboratory?	Correct Option ✓ Question ID: 10091298
Q.6 Ma No 1 2 3 4 No 1 2 1 1 1 1 1 1 1 1 1 1 1	Which of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis Which of the following is a method used to culture anaerobic bacteria in the laboratory? Which of the following betails 1 Options Details Blood agar plates Chocolate agar plates	Correct Option ✓ Question ID: 10091298
Q.6 No 1 2 3 4 Q.7	Which of the following is an example of a biofilm-associated bacterial infection? Options Details Urinary tract infection Streptococcal pharyngitis Meningitis Endocarditis Which of the following is a method used to culture anaerobic bacteria in the laboratory? Which of the following is a method used to culture anaerobic bacteria in the laboratory?	Correct Option ✓ Question ID: 10091298

		Question ID:
Ma	rks 1	10091299
_		1
No	Options Details	Correct Option
1	Antigenic shift	
2	Antigenic drift	
3	Latency	✓
4	Quorum sensing	
Q.9	Which of the following nucleotides is found exclusively in RNA molecules but not in DN	A?
		Question ID:
Ma	rks 1	10091300
		10001000
No	Options Details	Correct Option
1	Adenine (A)	
2	Thymine (T)	
3	Guanine (G)	
4	Uracil (U)	✓
Q.1		
	The process of synthesizing an RNA molecule from a DNA template is called:	
🐃	The process of synthesizing an RNA molecule from a DNA template is called:	
J 34.1	The process of synthesizing an RNA molecule from a DNA template is called:	
	The process of synthesizing an RNA molecule from a DNA template is called:	
.	The process of synthesizing an RNA molecule from a DNA template is called:	
\(\sigma \)	The process of synthesizing an RNA molecule from a DNA template is called:	
		Question ID:
Ma		Question ID: 10091301
Ма	rks 1	10091301
Ma No	rks 1 Options Details	10091301 Correct Option
Ma No	rks 1 Options Details Transcription	10091301
No 1 2	rks 1 Options Details Transcription Translation	10091301 Correct Option
Ma No 1 2 3	Options Details Transcription Translation Replication	10091301 Correct Option
No 1 2	rks 1 Options Details Transcription Translation	10091301 Correct Option
Ma No 1 2 3	Options Details Transcription Translation Replication	10091301 Correct Option
Ma No 1 2 3	Options Details Transcription Translation Replication Transformation The Many nucleotides are present in a DNA segment that codes for a protein consisting the segment that codes for a protein code segmen	10091301 Correct Option ✓
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation	10091301 Correct Option ✓
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation The Many nucleotides are present in a DNA segment that codes for a protein consisting the segment that codes for a protein code segmen	10091301 Correct Option ✓
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation The Many nucleotides are present in a DNA segment that codes for a protein consisting the segment that codes for a protein code segmen	10091301 Correct Option
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation The Many nucleotides are present in a DNA segment that codes for a protein consisting the segment that codes for a protein code segmen	10091301 Correct Option
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation The Many nucleotides are present in a DNA segment that codes for a protein consisting the segment that codes for a protein code segmen	10091301 Correct Option
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation The Many nucleotides are present in a DNA segment that codes for a protein consisting the segment that codes for a protein code segmen	10091301 Correct Option
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consistin acids?	Correct Option ✓ g of 300 amino
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consistin acids?	Correct Option ✓ g of 300 amino Question ID:
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consistin acids? NRS 1 Options Details	Correct Option ✓ g of 300 amino Question ID:
Ma No 1 2 3 4	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consisting acids?	Correct Option ✓ g of 300 amino Question ID: 10091302
Ma No 1 2 3 4 Q.1	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consistin acids? NRS 1 Options Details	Correct Option ✓ g of 300 amino Question ID: 10091302
Ma No 1 2 3 4 Q.1	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consistin acids? Options Details 300 900 1200	Correct Option ✓ g of 300 amino Question ID: 10091302
Ma No 1 2 3 4 Q.1	Options Details Transcription Translation Replication Transformation 1 How many nucleotides are present in a DNA segment that codes for a protein consistin acids? this 1 Options Details 300 900	Correct Option ✓ g of 300 amino Question ID: 10091302 Correct Option

Which of the following is a mechanism used by viruses to evade the host immune response?

Ma	rks 1	Question ID: 10091303
No	Options Details	Correct Option
1	Initiation	✓
2	Elongation	
3	Termination	
4	Elongation	
Q.1	The ribosome is composed of two subunits, a small subunit and a large subunit. In prok subunit is:	aryotes, the small
Ma	rks 1	Question ID: 10091304
No	Options Details	Correct Option
1	30S	✓
2	40\$	v
3	50S	
4	60S	
Q.1	If a DNA sequence has 30% adenine (A), what percentage of cytosine (C) does it have	
Ма	rks 1	Question ID: 10091305
No	Options Details	Correct Option
1	0.3	
2	0.2	
3	0.4 0.5	✓
4	0.5	
Q.1	What is the complementary DNA strand to the following DNA segment: 5'-ATGCTAGC-	3'?
Ма		Question ID:
	rks 1	10091306
No	Options Details	Correct Option
1	Options Details 5'-TACGATCG-3'	
1	Options Details 5'-TACGATCG-3' 5'-CGATCGTA-3'	Correct Option
1	Options Details 5'-TACGATCG-3'	

Which of the following is the correct order of the three steps in translation?

Mai	rks 1	Question ID: 10091307
No	Options Details	Correct Option
1	5"-TACGATCG-3'	✓
2	5'-TACGAUCG-3'	
3	5'-ATCGATCG-3'	
4	5'-GCATCGAT-3'	
Q.1	7 How many codons are needed to specify three amino acids?	
Mai	rks 1	Question ID: 10091308
No	Options Details	Correct Option
1	1	
2	<u>^</u>	
	2	
3	3	✓
3		✓
	3 4	
4	If the DNA sequence is 5'-ATCGATCG-3', what would be the sequence of the mRNA motor transcribed from it?	
4 Q.1	8 If the DNA sequence is 5'-ATCGATCG-3', what would be the sequence of the mRNA motor transcribed from it? ths 1 Options Details	Diecule Question ID:
Q.1	3 4 8 If the DNA sequence is 5'-ATCGATCG-3', what would be the sequence of the mRNA motorised from it? ks 1 Options Details 5'-AUCGAUCG-3'	Question ID:
4 Q.1 No 1 2	3 4 8	Question ID: 10091309 Correct Option
Mai No 1 2 3	8 If the DNA sequence is 5'-ATCGATCG-3', what would be the sequence of the mRNA mot transcribed from it? Options Details 5'-AUCGAUCG-3' 5'-TAGCTAGC-3' 5'-UAUCGAUC-3'	Question ID: 10091309 Correct Option
4 Q.1 No 1 2	3 4 8	Question ID: 10091309 Correct Option

A strand of RNA has the sequence 5'-AUGCUAGC-3'. What is the sequence of the complementary DNA strand?

Q.1	9 Which of the following is a solid media commonly used for the isolation and enumerate	tion of bacteria.
		O ID.
		Question ID:
Mai	rks 1	10091310
No	Options Details	Correct Option
1	Nutrient broth	
2	MacConkey agar	✓
3	Blood agar	
4	Thioglycollate broth	
Q.2	Which of the following components is NOT typically found in a complex media formula	ation?
		Question ID:
Mai	rks 1	10091311
No	Options Details	Correct Option
1	Peptones	- Constant opinion
2	Extracts	
	Defined sugars	
3		✓
4	Agar	V
4		
4		
4		
4		
4		
4		Question ID:
4	Which of the following media is selective for Gram-negative bacteria?	
4 Q.2	Which of the following media is selective for Gram-negative bacteria?	Question ID:
Q.2	Which of the following media is selective for Gram-negative bacteria?	Question ID: 10091312
4 Q.2	Which of the following media is selective for Gram-negative bacteria? rks 1 Options Details	Question ID:
4 Q.2 Ma	Which of the following media is selective for Gram-negative bacteria? This 1 Options Details Sabouraud agar	Question ID: 10091312 Correct Option
4 Q.2 Ma	Which of the following media is selective for Gram-negative bacteria? This is a selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar	Question ID: 10091312
4 Q.2 Ma	Which of the following media is selective for Gram-negative bacteria? This I Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar	Question ID: 10091312 Correct Option
4 Q.2 Ma	Which of the following media is selective for Gram-negative bacteria? This is a selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar	Question ID: 10091312 Correct Option
4 Q.2 Ma	Which of the following media is selective for Gram-negative bacteria? This I Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar	Question ID: 10091312 Correct Option
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option
4 Q.2 Ma	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar	Question ID: 10091312 Correct Option ✓ /gen to grow?
Mal No 1 2 3 4	Chicks 1 Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy	Question ID: 10091312 Correct Option // // // // // // // Question ID:
Ma No 1 2 3 4	Chicks 1 Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy	Question ID: 10091312 Correct Option ✓ /gen to grow?
Mal No 1 2 3 4	Chicks 1 Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy	Question ID: 10091312 Correct Option // // // // // // // Question ID:
Mal No 1 2 3 4	Chicks 1 Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy	Question ID: 10091312 Correct Option // // // // // // // Question ID:
Ma No 1 2 3 4	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy Which of the following Details Options Details	Question ID: 10091312 Correct Option ✓ /gen to grow? Question ID: 10091313
4 Q.2 Ma No 1 2 3 4 No 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy Which of the following Details Options Details Obligate anaerobe	Question ID: 10091312 Correct Option ✓ /gen to grow? Question ID: 10091313
4 Q.2 Ma No 1 2 3 4 No 1 2	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy Which of the following Details Options Details Obligate anaerobe Facultative anaerobe	Question ID: 10091312 Correct Option // // // // // // // / // // // // //
4 Q.2 Ma No 1 2 3 4 No 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Which of the following media is selective for Gram-negative bacteria? Options Details Sabouraud agar Eosin methylene blue (EMB) agar Mannitol salt agar Phenylethyl alcohol (PEA) agar Which of the following growth conditions describes a microorganism that requires oxy Which of the following Details Options Details Obligate anaerobe	Question ID: 10091312 Correct Option ✓ /gen to grow? Question ID: 10091313

What is the purpose of adding antibiotics to media?	
	Question ID:
ks 1	10091314
Options Details	Correct Option
To promote the growth of bacteria	-
To inhibit the growth of unwanted	<u> </u>
contaminants	•
To create anaerobic conditions	
To measure the susceptibility of bacteria to	
antibiotics	
Which of the following is an example of a selective media used for the isolation of fungi?	
	Question ID:
	1
<i>is</i>	10091315
Outland Datalla	On what Outline
·	Correct Option
-	
Sabouraud agar	/
Hektoen enteric agar	✓
Tokeon one agai	▼
Tiontoon ontene again	
Which of the following pH indicators is commonly used in differential media to identify ba	
Which of the following pH indicators is commonly used in differential media to identify ba	
Which of the following pH indicators is commonly used in differential media to identify ba	
Which of the following pH indicators is commonly used in differential media to identify ba	
Which of the following pH indicators is commonly used in differential media to identify ba	
Which of the following pH indicators is commonly used in differential media to identify ba	acteria based on
Which of the following pH indicators is commonly used in differential media to identify batheir ability to ferment sugars?	acteria based on Question ID:
Which of the following pH indicators is commonly used in differential media to identify ba	acteria based on
Which of the following pH indicators is commonly used in differential media to identify batheir ability to ferment sugars? ks 1	Question ID:
Which of the following pH indicators is commonly used in differential media to identify batheir ability to ferment sugars? Ks 1 Options Details	acteria based on Question ID:
Which of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Options Details Methylene blue	Question ID:
Which of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars?	Question ID: 10091316
Which of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Coptions Details Methylene blue Bromothymol blue Phenol red	Question ID:
Which of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars? Solution of the following pH indicators is commonly used in differential media to identify be their ability to ferment sugars?	Question ID: 10091316
	Options Details To promote the growth of bacteria To inhibit the growth of unwanted contaminants To create anaerobic conditions To measure the susceptibility of bacteria to antibiotics Which of the following is an example of a selective media used for the isolation of fungi? Which of the following betails Options Details MacConkey agar Mannitol salt agar

Q.2	Which of the following is an example of a reducing media used to culture anaerobic ba	cteria?
		Question ID:
Ma	rks 1	10091317
		
No	Options Details	Correct Option
1	Nutrient agar	
2	MacConkey agar	
3	Blood agar	
4	Thioglycollate broth	✓
Q.2	Which of the following temperature ranges is considered optimal for most mesophilic b	acteria?
		Question ID:
Ma	rks 1	10091318
	1	10001010
No	Options Details	Correct Option
1	0-20°C	- Consor opnon
2	20-40°C	
	40-60°C	✓
3		
4	60-80°C	
Q.2	Which of the following factors can affect bacterial growth rate?	
Q.2	Which of the following factors can affect bacterial growth rate?	
Q.2	Which of the following factors can affect bacterial growth rate?	
Q.2	Which of the following factors can affect bacterial growth rate?	
Q.2	Which of the following factors can affect bacterial growth rate?	
Q.2	Which of the following factors can affect bacterial growth rate?	
Q.2	Which of the following factors can affect bacterial growth rate?	Question ID:
Q.2		Question ID: 10091319
		Question ID: 10091319
Ма	rks 1	10091319
Ma No	rks 1 Options Details	1 1 1
Ma No	rks 1 Options Details	10091319
Ma No 1 2	rks 1 Options Details pH Temperature	10091319
Ma No 1 2 3	Options Details pH Temperature Oxygen availability	Correct Option
Ma No 1 2	rks 1 Options Details pH Temperature	10091319
Ma No 1 2 3	Options Details pH Temperature Oxygen availability	Correct Option
Ma No 1 2 3	Options Details pH Temperature Oxygen availability All of the above	Correct Option
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above	Correct Option
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above	Correct Option
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above	Correct Option
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above	Correct Option
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above	Correct Option
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above	Correct Option ✓ esponse?
Ma No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune received the second of the sec	Correct Option Sesponse? Question ID:
No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune recognitions and the second se	Correct Option ✓ esponse?
Ma No 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the host immune refers to the following is a mechanism used by pathogens to evade the following is a mechanism used by pathogens to evade the following is a mechanism used by pathogens to evade the following is a mechanism used by pathogens to evade the following is a mechanism used by the following is a mecha	Correct Option Correct Option Correct Option Question ID: 10091320
Ma No 1 2 3 4 Q.2	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by the following is a	Correct Option Sesponse? Question ID:
Ma No 1 2 3 4 Q.2 Ma No 1	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the following is a mechanism used by	Correct Option Correct Option Correct Option Question ID: 10091320
Ma No 1 2 3 4 No 1 2 1 2 3 4	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune of the state of the	Correct Option esponse? Question ID: 10091320 Correct Option
Ma No 1 2 3 4 Q.2 Ma No 1	Options Details pH Temperature Oxygen availability All of the above Which of the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the host immune reference to the following is a mechanism used by pathogens to evade the following is a mechanism used by	Correct Option Correct Option Correct Option Question ID: 10091320

Marks 1 No Options Details Correct Lipopolysaccharide (LPS) Endotoxin Streptokinase 4 Capsule	
Marks1100913NoOptions DetailsCorrect1Lipopolysaccharide (LPS)2Endotoxin3Streptokinase	321
1 Lipopolysaccharide (LPS) 2 Endotoxin 3 Streptokinase ✓	t Option
1 Lipopolysaccharide (LPS) 2 Endotoxin 3 Streptokinase ✓	
3 Streptokinase ✓	
4 Capsule	/
Q.31 Which of the following is a characteristic of an opportunistic pathogen	
Marks 1 Question 100913	
No Options Details Correct	t Option
1 It can cause disease in healthy individuals.	
2 It is always associated with severe infections.	
3 It is highly resistant to antibiotics.	
4 It mainly affects immunocompromised	_
individuals.	
O 32 The breaking and forming of non-covalent interactions reflects which of the following phenomenor	าท
Q.32 The breaking and forming of non-covalent interactions reflects which of the following phenomenon of the follo	on ID:
Question 1 100913	on ID:
Marks 1 No Options Details Correct 1 Entropy	on ID: 323
Marks 1 No Options Details Correct Entropy Enthalpy Cuestic 100913 Correct Tentropy Enthalpy	on ID: 323 et Option
Marks 1 No Options Details Correct 1 Entropy 2 Enthalpy 3 Unfolding	on ID: 323 et Option
Marks 1 No Options Details Correct Entropy Enthalpy Cuestic 100913 Correct Tentropy Enthalpy	on ID: 323 et Option
Marks 1 No Options Details Correct 1 Entropy 2 Enthalpy 3 Unfolding	on ID: 323 et Option
Marks 1 No Options Details 1 Entropy 2 Enthalpy 3 Unfolding 4 All of the above	on ID: 323 et Option on ID:
Marks 1 No Options Details Correct 1 Entropy 2 Enthalpy 3 Unfolding 4 All of the above Questing Q	on ID: 323 et Option on ID:
Marks 1 Options Details Correct Entropy Enthalpy Unfolding All of the above Q.33 Repulsion between non-polar groups and water molecules is known as Questing Marks 1 Questing Options Details Correct Formation of hydrogen bonds	on ID: 323 et Option
Marks 1 No Options Details 1 Entropy 2 2 Enthalpy ✓ 3 Unfolding ✓ 4 All of the above ✓ All of the above Questing Ques	on ID: 323 et Option
Marks 1 Options Details Correct Entropy Enthalpy Unfolding All of the above Q.33 Repulsion between non-polar groups and water molecules is known as Questing Marks 1 Questing Options Details Correct Formation of hydrogen bonds	on ID: 323 et Option

Which of the following is an example of an exotoxin produced by bacteria?

Q.3	Which of the following techniques is commonly used for site-directed mutagenesis in pr	otein engineering?
		Question ID:
Ma	rks 1	10091325
No	Options Details	Correct Option
1	Western blotting	
2	Gel electrophoresis	
3	Southern blotting	
4	Polymerase chain reaction (PCR)	✓
Q.3	5 Which protein engineering approach involves the directed evolution of proteins to optim	izo thoir
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	properties?	iize iiieii
	L. C. P. C.	
Mai		Question ID:
	rks 1	Question ID: 10091326
	rks 1	
No	Options Details	
No	·	10091326
	Options Details	10091326
1	Options Details Rational design	10091326
1	Options Details Rational design Homology modeling	Correct Option
1 2 3	Options Details Rational design Homology modeling Phage display	Correct Option
1 2 3 4	Options Details Rational design Homology modeling Phage display X-ray crystallography	Correct Option
1 2 3	Options Details Rational design Homology modeling Phage display X-ray crystallography	Correct Option
1 2 3 4	Options Details Rational design Homology modeling Phage display X-ray crystallography	Correct Option
1 2 3 4	Options Details Rational design Homology modeling Phage display X-ray crystallography	Correct Option
1 2 3 4	Options Details Rational design Homology modeling Phage display X-ray crystallography	Correct Option
1 2 3 4	Options Details Rational design Homology modeling Phage display X-ray crystallography	Correct Option
1 2 3 4	Options Details Rational design Homology modeling Phage display X-ray crystallography	10091326 Correct Option ✓
1 2 3 4	Rational design Homology modeling Phage display X-ray crystallography 6 Which of the following protein is known as bacterial cellular thermometer?	Correct Option

Options Details

No

2

DnaK

DnaJ FtsH GroES Correct Option

Q.3	What is the function of the OxyR regulatory protein found in bacteria?	
		Question ID:
Ma	rks 1	10091328
-		
No	Options Details	Correct Option
1	Activates antioxidant enzyme production	✓
2	Inhibits protein synthesis	
3	Regulates nutrient uptake	
4	Enhances ROS production	
	T	
Q.3	The gene which encode sigma 32 protein is	
١		Question ID:
Ma	rks 1	10091329
No	Options Details	Correct Option
1	гроН	✓
2	rpoK	
3	rpoM	
4	rpoD	
	Eunction of BOSE elementefound in cortain baceria is	
Q.3	Function of ROSE elementsfound in certain baceria is	
Q.3	Function of ROSE elementsfound in certain baceria is	
Q.3	Function of ROSE elementsfound in certain baceria is	
Q.3	Function of ROSE elementsfound in certain baceria is	
Q.3	Function of ROSE elementsfound in certain baceria is	
Q.3	Function of ROSE elementsfound in certain baceria is	Question ID:
		Question ID: 10091330
Q.3		Question ID: 10091330
Ма	rks 1	10091330
Ma No	rks 1 Options Details	
Ma No	rks 1 Options Details DNA thermometer	Correct Option
Ma No 1 2	rks 1 Options Details DNA thermometer RNA thermometer	10091330
Ma No 1 2 3	Coptions Details DNA thermometer RNA thermometer Protein thermometer	Correct Option
Ma No 1 2	rks 1 Options Details DNA thermometer RNA thermometer	Correct Option
Ma No 1 2 3	Coptions Details DNA thermometer RNA thermometer Protein thermometer	Correct Option
Ma No 1 2 3	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria?	Correct Option ✓ Question ID:
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria?	Correct Option
Ma No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria?	Correct Option ✓ Question ID: 10091331
Ma No 1 2 3 4 Q.4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria? It is a part of the shock gene hsp70 in bacteria? Options Details	Correct Option ✓ Question ID:
Ma No 1 2 3 4 Na No 1	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria? It Options Details DNA replication	Correct Option Question ID: 10091331 Correct Option
Ma No 1 2 3 4 Na No 1 2 3 4	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria? What is the function of the heat shock gene hsp70 in bacteria? Options Details DNA replication Protein folding	Correct Option ✓ Question ID: 10091331
Ma No 1 2 3 4 Na No 1	Options Details DNA thermometer RNA thermometer Protein thermometer None of the above What is the function of the heat shock gene hsp70 in bacteria? It Options Details DNA replication	Correct Option Question ID: 10091331 Correct Option

Q.4	1 What is the role of sigma factors in heat shock gene expression in bacteria?	
 Mai	ks 1	Question ID:
IVIA		10091332
No	Options Details	Correct Option
1	Regulate protein folding	
2	Control DNA replication Bind to heat shock promoters and initiate	
٥	transcription	✓
4	Enhance antibiotic resistance	
Q.4	Which of the following forces primarily govern protein folding?	
		Question ID:
Mai	ks 1	10091333
No	Options Details	Correct Option
No 1	Options Details Covalent bonds	Correct Option
	Covalent bonds Hydrogen bonds, hydrophobic interactions,	Correct Option ✓
1	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic	Correct Option ✓
1	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions	Correct Option ✓
2	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions lonic bonds	Correct Option ✓
1 2 3	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions	Correct Option ✓
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds	Correct Option ✓
1 2 3	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds	Correct Option ✓
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds	Correct Option ✓
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds	Correct Option ✓
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds	Correct Option ✓
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds	
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions lonic bonds Peptide bonds Which of the following is NOT a consequence of protein misfolding?	Question ID:
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds Which of the following is NOT a consequence of protein misfolding?	
3 4	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions lonic bonds Peptide bonds Which of the following is NOT a consequence of protein misfolding? ks 1 Options Details	Question ID:
1 2 3 4 Mal	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds Which of the following is NOT a consequence of protein misfolding? Cyptions Details Loss of function	Question ID: 10091334
1 2 3 4 Mai No 1 2	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions lonic bonds Peptide bonds Which of the following is NOT a consequence of protein misfolding? Coptions Details Loss of function Formation of amyloid plaques	Question ID: 10091334
1 2 3 4 Mal	Covalent bonds Hydrogen bonds, hydrophobic interactions, van der Waals forces, and electrostatic interactions Ionic bonds Peptide bonds Which of the following is NOT a consequence of protein misfolding? Cyptions Details Loss of function	Question ID: 10091334

Г

Marks 1		Question ID: 10091335
No	Options Details	Correct Option
1	electrical	
3	physicochemical electrochemical	
4	chemical	✓
	- Chemisal	
Q.4	Which of the following physical sensor converts biochemical events into measurable significations biosensor	gnals in a glucose
Ма	rks 1	Question ID: 10091336
No	Options Details	Correct Option
1	pH electrode	
2	Oxygen electrode	✓
3	Piezoelectric crystal	
4	fiber optic	
	What is the appropriate range of nanoparticles size?	
Ма	rks 1	Question ID: 10091337
No	Options Details	1 1
No	Options Details 1 to 100 micrometers	10091337 Correct Option
No 1 2	Options Details 1 to 100 micrometers 1 to 100 nanometers	10091337
No 1 2 3	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters	10091337 Correct Option
No 1 2	Options Details 1 to 100 micrometers 1 to 100 nanometers	10091337 Correct Option
No 1 2 3	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters 1 to 100 centimeters	10091337 Correct Option
No 1 2 3 4	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters 1 to 100 centimeters What is the most common method for the synthesis of nanoparticles?	10091337 Correct Option
No 1 2 3 4 Q.4	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters 1 to 100 centimeters What is the most common method for the synthesis of nanoparticles?	Correct Option ✓ Question ID:
No 1 2 3 4 Wa Ma No 1	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters 1 to 100 centimeters What is the most common method for the synthesis of nanoparticles? What is the most common method for the synthesis of nanoparticles? Options Details Top-down approach	Correct Option Question ID: 10091338
No 1 2 3 4 Ma No 1 2	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters 1 to 100 centimeters What is the most common method for the synthesis of nanoparticles? What is the most common method for the synthesis of nanoparticles? Options Details Top-down approach Bottom-up approach	Correct Option Question ID: 10091338 Correct Option
No 1 2 3 4 Wa Ma No 1	Options Details 1 to 100 micrometers 1 to 100 nanometers 1 to 100 millimeters 1 to 100 centimeters What is the most common method for the synthesis of nanoparticles? What is the most common method for the synthesis of nanoparticles? Options Details Top-down approach	Correct Option Question ID: 10091338 Correct Option

Personnel blood glucose monitor works on the principle of

Ma	Question ID: 10091339	
No	Options Details	Correct Option
1	luciferase	✓
2	GFP	
3	NAD	
4	Glucose oxidase	
Q.4	Which of the following techniques is used to sequence the entire genome of an organis	m?
		Question ID:
Ma	rks 1	10091340
No	Options Details	Correct Option
1	Polymerase chain reaction (PCR)	
2	DNA microarray analysis	
3	Sanger sequencing	
4	Next-generation sequencing (NGS)	✓
Q.5	Which of the following is a type of bacterial genetic transfer that involves the direct cell- through a pilus?	to cell contact
Ma	rks 1	Question ID: 10091341
Ma No	rks 1 Options Details	1 1 1
	·	10091341
No	Options Details	10091341
No 1	Options Details Transformation	10091341
No 1 2	Options Details Transformation Transduction	10091341
No 1 2 3	Options Details Transformation Transduction Conjugation Transposition	10091341
No 1 2 3 4	Transformation Transduction Conjugation Transposition The depth of any research can be judged by	10091341
No 1 2 3 4 Q.5	Transformation Transduction Conjugation Transposition The depth of any research can be judged by	Correct Option ✓ Question ID: 10091342
No 1 2 3 4 Q.5	Transformation Transduction Conjugation Transposition The depth of any research can be judged by Options Details Options Details	Correct Option ✓ Question ID:
No 1 2 3 4 4 Ma No 1	Transformation Transduction Conjugation Transposition The depth of any research can be judged by The depth of any research can be judged by	Correct Option ✓ Question ID: 10091342
No 1 2 3 4 Ma No 1 2	Transformation Transduction Conjugation Transposition The depth of any research can be judged by The depth of any research can be judged by Options Details Objectives of the research Total expenditure on the research	Correct Option Question ID: 10091342 Correct Option
No 1 2 3 4 Ma No 1 2 3	Options Details Transformation Transduction Conjugation Transposition The depth of any research can be judged by The depth of any research can be judged by Options Details Objectives of the research Total expenditure on the research Duration of the research	Correct Option ✓ Question ID: 10091342 Correct Option
No 1 2 3 4 Wa No 1 2	Transformation Transduction Conjugation Transposition The depth of any research can be judged by The depth of any research can be judged by Options Details Objectives of the research Total expenditure on the research	Correct Option ✓ Question ID: 10091342 Correct Option

Which of the following biomolecule is used to determine the biomass from a bioreactor?

		Question ID:
Marks 1		10091343
No	Options Details	Correct Option
1	Research is systematic	
2	Research is not a process	✓
3	Research is problem oriented	
4	Research is not passive	
Q.5	Formulation of hypothesis may not be required in	
Mai	dra d	Question ID:
IVIAI	rks 1	10091344
No	Options Details	Correct Option
1	Historical studies	✓
2	Survey method	
3	Normative studies	
4	Experimental studies	
Q.5	4 The experimental study is based on	
	The experimental study is based on	
	4	Question ID:
Maı	rks 1	10091345
No	Options Details	Correct Option
1	Manipulation	
2	Law of single variable	
3	Both Manipulation and Law of single variable	✓
4	None of these	

Which of the following is not a characteristic of research?

Q.5	The quality of research is judged by the	
		Question ID:
Mai	rks 1	10091346
No	Options Details	Correct Option
1	Depth of research	
2	Relevance of research	
3	Experience of researcher	
4	Methodology adopted in conducting the	✓
	research	
		1
Q.5	Which scientific method focuses on testing hypothesis developed from theories?	
		Question ID:
Mai	rks 1	10091347
		_
No	Options Details	Correct Option
1	Deductive method	√
2	Inductive method	
3	Hypothesis method	
4	Pattern method	
Q.5	The process not needed in experimental researches is	
Q.5	The process not needed in experimental researches is	Question ID:
Q.5		Question ID: 10091348
Mai	rks 1	10091348
Ma No	rks 1 Options Details	10091348
Mai No	rks 1 Options Details Observation	10091348
No 1 2 3	Options Details Observation Manipulation Controlling	Correct Option
Mai No 1 2	Options Details Observation Manipulation	10091348
No 1 2 3	Options Details Observation Manipulation Controlling Content analysis	Correct Option
No 1 2 3 4	Options Details Observation Manipulation Controlling Content analysis Which one is known as non-probability sampling?	Correct Option
No 1 2 3 4	Options Details Observation Manipulation Controlling Content analysis Which one is known as non-probability sampling?	Correct Option ✓ Question ID:
Mai No 1 2 3 4 Mai	Options Details Observation Manipulation Controlling Content analysis Which one is known as non-probability sampling? Options Details	10091348 Correct Option ✓ Question ID: 10091349
Mai No 1 No 1 No 1	Options Details Observation Manipulation Controlling Content analysis Which one is known as non-probability sampling? Options Details Stratified random sampling	Correct Option ✓ Question ID: 10091349
Mai No 1 2 3 4 No 1 2	Options Details Observation Manipulation Controlling Content analysis 8 Which one is known as non-probability sampling? This 1 Options Details Stratified random sampling Systematic sampling	10091348 Correct Option ✓ Question ID: 10091349
Mai No 1 2 3	Observation Manipulation Controlling Content analysis 8 Which one is known as non-probability sampling? Options Details Stratified random sampling Systematic sampling Cluster sampling Cluster sampling	Correct Option Question ID: 10091349 Correct Option
Mai No 1 2 3 4 No 1 2	Options Details Observation Manipulation Controlling Content analysis 8 Which one is known as non-probability sampling? This 1 Options Details Stratified random sampling Systematic sampling	10091348 Correct Option ✓ Question ID: 10091349

Mai	dia.	Question ID:	
Maı	rks 1	10091350	
No	Options Details	Correct Option	
1	Two-stage random sampling	✓	
2	Systematic sampling		
3	Convenience sampling		
4	Purposive sampling		
Q.6	Which of the following is considered a primary source of scientific literature?		
Mai	rks 1	Question ID: 10091351	
No	Options Details	Correct Option	
1	Textbooks		
2	Review articles		
3	Original research articles	✓	
4	Popular science magazines		
	1 What type of literature provides a comprehensive overview of a specific research area?	Question ID:	
Maı	ks 1	10091352	
No	Options Details	Correct Option	
1	Technical reports		
2	Conference proceedings		
3	Review articles	✓	
4	Thesis and dissertation		
Q.6	Q.62 Which process ensures that literature is properly credited to its original authors?		
Maı	·	Question ID: 10091353	
No	Options Details	Correct Option	
1	Abstracting		
2	Indexing		
3	Citation	✓	
4	Paraphrasing		

Which of the following is an example of a random sampling method?

Q.6		Question ID:
Maı	ks 1	10091354
No	Options Details	Correct Option
1	To provide a summary of the research findings	
2	To list all the sources cited in the document	✓
3	To outline the research methodology	
4	To present raw data	

Q.6	What does <i>"et al.</i> " indicate in a citation?	
Ма	rks 1	Question ID: 10091355
No	Options Details	Correct Option
1	The editor of a book	
2	The place of publication	
3	That there are multiple authors	✓
4	The edition of a journal	

Q.6	In APA style, where is the year of publication typically placed in an in-text citation?	
		Question ID:
Mai	rks 1	10091356
No	Options Details	Correct Option
1	After the title	
2	Before the author's name	
3	After the author's name	✓
4	At the end of the sentence	

Mark		
Mark		Question ID:
	ss 1	10091357
No	Options Details	Correct Option
1	To provide a detailed analysis of the data	
2	To offer a brief summary of the paper	✓
	To list all the references	
4	To acknowledge funding sources	
Q.67	Which section of a scientific report typically summarizes the main findings?	
Mark	ss 1	Question ID: 10091358
No	Options Details	Correct Option
1	Introduction	
2	Methodology	
3	Results	
4	Conclusion	✓
Q 68	Which source is often used to find information on specific methodologies or techniques	?
Q.68	Which source is often used to find information on specific methodologies or techniques	?
Q.68	Which source is often used to find information on specific methodologies or techniques	?
Q.68	Which source is often used to find information on specific methodologies or techniques	?
Q.68	Which source is often used to find information on specific methodologies or techniques	? Question ID:
Q.68		
	ss 1	Question ID: 10091359
Mark	Options Details	Question ID:
Mark No	Options Details Books	Question ID: 10091359 Correct Option
No 1 2 2	Options Details Books Patents	Question ID: 10091359
No	Options Details Books Patents Trade journals	Question ID: 10091359 Correct Option
No	Options Details Books Patents	Question ID: 10091359 Correct Option
No	Options Details Books Patents Trade journals Newspapers	Question ID: 10091359 Correct Option
No 1 2 3 4	Options Details Books Patents Trade journals Newspapers	Question ID: 10091359 Correct Option
No 1 2 3 4	Options Details Books Patents Trade journals Newspapers Which of the following correlational values is the strongest?	Question ID: 10091359 Correct Option
No	Options Details Books Patents Trade journals Newspapers Which of the following correlational values is the strongest? S 1 Options Details	Question ID: 10091359 Correct Option Question ID:
No 1 2 3 4 Q.69 Mark	Options Details Books Patents Trade journals Newspapers Which of the following correlational values is the strongest? Separation of the following correlational values is the strongest of the	Question ID: 10091359 Correct Option ✓ Question ID: 10091360
No	Options Details Books Patents Trade journals Newspapers Which of the following correlational values is the strongest? Options Details 0.9 0.1	Question ID: 10091359 Correct Option ✓ Question ID: 10091360
No 1 2 3 4 No 1 2 3 3 4 No 1 2 3 3	Options Details Books Patents Trade journals Newspapers Which of the following correlational values is the strongest? Separation of the following correlational values is the strongest of the	Question ID: 10091359 Correct Option ✓ Question ID: 10091360

What is the purpose of an "abstract" in a scientific paper?

Q.7	70	To test null hypothesis, a researcher uses		
Ma	Marks 1			
No		Options Details	Correct Option	
1	t-test			
2	Chi-squa	ire test	✓	
3	ANOVA			
4	Factorial	analysis		
		·		
]			

Q.7	What does the significance level (alpha) represent in a t-test?	
Ma	rks 1	Question ID: 10091362
No	Options Details	Correct Option
1	The probability of a Type II error	
2	The probability of rejecting the null hypothesis when it is true	✓
3	The power of the test	
4	The sample size	

Q.7	If the p-value is less than the significance level, what decision is typically made?	
Ма	rks 1	Question ID: 10091363
No	Options Details	Correct Option
1	Accept the null hypothesis	
2	Reject the null hypothesis	✓
3	Fail to reject the alternative hypothesis	
4	Increase the sample size	

Ma	ks 1	Question ID: 10091364
No	Options Details	Correct Option
1	To compare the means of two groups	
2	To analyse the variance between multiple	✓
3	To measure the correlation between variables	
4	To test categorical data	
Q.7	What is the purpose of a "randomized block design" (RBD) ANOVA?	
Marks 1 Question ID: 10091365		
No	Options Details	Correct Option
1	To increase the number of treatments To control for extraneous variables	
3	To simplify data analysis	✓
4	To eliminate the need for replication	
Q.7	If the coefficient of determination is 0.81, the correlation coefficient	
Marks 1 Question ID: 10091366		Question ID: 10091366
No	Options Details	Correct Option
1	must be positive	
2	must be negative	1

What is the primary purpose of Analysis of Variance (ANOVA)?

Q.73

could be either + 0.9 or - 0.9

Is equal to 0.6561

Q.7	6 What does "bivariate analysis" involve?	
Mai	rks 1	Question ID: 10091367
No	Options Details	Correct Option
		Concet Option
1	Analyzing the relationship between two variables	✓
1 2	Analyzing the relationship between two	✓
1	Analyzing the relationship between two variables	✓
1	Analyzing the relationship between two variables Analyzing variance within one group	✓

Q.7	Which of the following is an application of the Chi-square test?	
Ма	rks 1	Question ID: 10091368
No	Options Details	Correct Option
1	Comparing means of two groups	
2	Predicting a dependent variable	
3	Testing goodness-of-fit	✓
4	Measuring the strength of a linear relationship	

Q.7	8 Which type of software is primarily used for managing and analysing qualitative data?	
Ma	ks 1	Question ID: 10091369
No	Options Details	Correct Option
1	NVivo	✓
2	SPSS	
3	Excel	
4	PowerPoint	

1 Publisher 2 Mendeley	Q.7	Which software is commonly used for creating and managing bibliographies and citation	ns?
Marks 1 10091370 No			
Marks 1 10091370 No			
Marks 1 10091370 No			Question ID:
1 Publisher 2 Mendeley	Ma	rks 1	1 1
1 Publisher 2 Mendeley			
2 Mendeley 3 Access 4 Outlook Q.80 Which file format is commonly used for storing and exchanging data in a structured way? Marks 1 Question ID: 10091371 No Options Details Correct Option Q.81 What is a "data repository"? Marks 1 Question ID: 10091372 Q.81 What is a "data repository"? Marks 1 Question ID: 10091372 A software for data analysis 3 A central location for storing and managing data in a structured way? Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Question ID: 10091373 A column that 10091373 Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Question ID: 10091373 Q.82 Which type of graph is used to display the relationship between two quantitative variables? Q.82 Correct Option Q.83 Options Details Question ID: 10091373 Column that Q.95 Options Details Correct Option Q.95 Options Details Correct Option Q.95 Options Details Correct Option Q.97 Options Details Correct Option Q.98 Options Details Correct Option Q.98 Options Details Correct Option	No	Options Details	Correct Option
3 Access 4 Outlook Q.80 Which file format is commonly used for storing and exchanging data in a structured way? Marks 1 Options Details Correct Option doox 2 pptx 3 pdf 4 csv Q.81 What is a "data repository"? What is a "data repository"? Marks 1 Options Details Correct Option Question ID: 10091372 No Options Details Correct Option 1 A method for data visualization 2 A software for data analysis 3 A central location for storing and managing data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Question ID: 10091373 Which type of graph is used to display the relationship between two quantitative variables? Question ID: 10091373 No Options Details Correct Option No I Options Details Correct Option Line I Histogram 2 Pie chart 3 Column chart			
Question ID:			✓
Q.80 Which file format is commonly used for storing and exchanging data in a structured way? Marks 1 Question ID: 10091371 No Options Details Correct Option 1 .docx .docx 2 .pptx 3 .pdf 4 .csv Q.81 What is a "data repository"? No Options Details Correct Option 1 A method for data visualization 2 A software for data analysis 3 A central location for storing and managing data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 No Options Details Correct Option No Options Details Correct Option 1 Histogram 3 Column chart			
Marks 1 No Options Details Correct Option 1 .docx	4	Outlook	
Marks 1 10091371 No Options Details Correct Option 1 .docx	Q.8	Which file format is commonly used for storing and exchanging data in a structured way	?
No Options Details Correct Option A cosv	Mai	rks 1	
1 docx 2 pptx 3 pdf 4 csv Q.81 What is a "data repository"? Q.81 What is a "data repository"? Q.81 What is a "data repository"? No Options Details Correct Option A method for data visualization 2 A software for data analysis 3 A central location for storing and managing data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Question ID: 10091373 Couestion ID: 10091373 No Options Details Correct Option 1 Histogram 2 Pie chart 3 Column chart		•	
2 pptx	No	Options Details	Correct Option
3 pdf 4 csv		.docx	
Q.81 What is a "data repository"? Marks			
Question ID: 1		· ·	
Marks 1 No Options Details Correct Option A method for data visualization A central location for storing and managing data A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 No Options Details Correct Option Histogram Pie chart Couestion ID: 10091373 Column chart	4	.CSV	✓
1 A method for data visualization 2 A software for data analysis 3 A central location for storing and managing data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Question ID: 10091373 No Options Details Correct Option 1 Histogram 2 Pie chart 3 Column chart	Ma	rks 1	1 1
1 A method for data visualization 2 A software for data analysis 3 A central location for storing and managing data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Question ID: 10091373 No Options Details Correct Option 1 Histogram 2 Pie chart 3 Column chart	Nο	Options Details	Correct Option
A central location for storing and managing data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Question ID: 10091373 No Options Details Correct Option 1 Histogram 2 Pie chart 3 Column chart		•	Correct Option
data 4 A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Marks 1 Options Details Correct Option Histogram Pie chart Column chart Column chart	2	A software for data analysis	
A tool for data encryption Q.82 Which type of graph is used to display the relationship between two quantitative variables? Question ID: 10091373 No Options Details Correct Option Histogram Pie chart Column chart Options Details Correct Correct Option	3		✓
Marks 1 No Options Details Correct Option Histogram Pie chart Column chart	4		
Marks1NoOptions DetailsCorrect Option1Histogram2Pie chart3Column chart	Q.8	Which type of graph is used to display the relationship between two quantitative variable	es?
1 Histogram 2 Pie chart 3 Column chart	Ma	rks 1	1 1
2 Pie chart 3 Column chart	No	Options Details	Correct Option
3 Column chart	1	·	-
	2	Pie chart	
4 Scatter plot ✓			
	4	Scatter plot	✓

Q.8	3 What is a "legend" in a graph?	
Ма	rks 1	Question ID: 10091374
No	Options Details	Correct Option
1	An explanation of the symbols or colours used	✓
2	The title of the graph	
3	The statistical analysis	
4	The source of the data	

Q.8	Which view in Microsoft PowerPoint is useful for organizing and reordering slides?	
Ma	rks 1	Question ID: 10091375
No	Options Details	Correct Option
1	Reading View	
2	Slide Sorter View	✓
3	Normal View	
4	Notes Page View	

Q.8	What is the function of "Mail Merge" in Microsoft Word?	
Ma	rks 1	Question ID: 10091376
No	Options Details	Correct Option
1	To create personalized documents for multiple recipients	✓
2	To check spelling and grammar	
3	To track changes in a document	
4	To insert footnotes and endnotes	

Q.8	In scientific writing, the passive voice is used primarily to	
		Question ID:
Ма	rks 1	10091377
No	Options Details	Correct Option
1	Emphasise the researcher	
2	Avoid repetition	
3	Focus on the action or process	✓
4	Make the text more personal	
Q.8	Choose the correct sentence. 1. The results was significant. 2. The result were significant. esults were significant. 4. The result were significant.	ance. 3. The
		Question ID:
Ma	rks 1	10091378
	·	
No	Options Details	Correct Option
	· · · · · · · · · · · · · · · · · · ·	Correct Option
No 1 2	Options Details 1 2	Correct Option
No 1	Options Details 1 2 3	Correct Option
No 1 2	Options Details 1 2	
No 1 2 3	Options Details 1 2 3	
No 1 2 3	Options Details 1 2 3 4	othesis. 2. The data
No 1 2 3 4	Options Details 1 2 3 4 Which sentence uses a modal verb to express possibility? 1. The data proved the hypomight support the hypothesis. 3. The data supports the hypothesis. 4. The data has su	othesis. 2. The data opported the
No 1 2 3 4	Options Details 1 2 3 4 Which sentence uses a modal verb to express possibility? 1. The data proved the hypomight support the hypothesis. 3. The data supports the hypothesis. 4. The data has su hypothesis.	othesis. 2. The data
No 1 2 3 4 4 Q.8	Options Details 1 2 3 4 Which sentence uses a modal verb to express possibility? 1. The data proved the hypomight support the hypothesis. 3. The data supports the hypothesis. 4. The data has su hypothesis. Tks 1 Options Details	othesis. 2. The data opported the
No 1 2 3 4 4 Q.8 Ma	Options Details 1 2 3 4 Which sentence uses a modal verb to express possibility? 1. The data proved the hypomight support the hypothesis. 3. The data supports the hypothesis. 4. The data has su hypothesis. 1 Options Details 1	othesis. 2. The data opported the Question ID: 10091379
No 1 2 3 4 Ma No 1 2	Options Details 1 2 3 4 Which sentence uses a modal verb to express possibility? 1. The data proved the hypomight support the hypothesis. 3. The data supports the hypothesis. 4. The data has su hypothesis. rks 1 Options Details 1	othesis. 2. The data opported the Question ID: 10091379
No 1 2 3 4 4 Q.8	Options Details 1 2 3 4 Which sentence uses a modal verb to express possibility? 1. The data proved the hypomight support the hypothesis. 3. The data supports the hypothesis. 4. The data has su hypothesis. 1 Options Details 1	othesis. 2. The data opported the Question ID: 10091379 Correct Option

 \Box

Q.8	39	What is the function of transition words like however, therefore, and in contrast?	
			Question ID:
Ma	rks	1	10091380
-			
No	ı	Options Details	Correct Option
1	Create a	mbiguity	
2	Signal lo	gical relationships	✓
3		verb tense	
4		se repetition	
	·	· · · · · · · · · · · · · · · · · · ·	
Q.9	90	Which of the following words is NOT typically associated with scientific vocabulary?	
١	ē		Question ID:
Ma	rks	1	10091381
No		Options Details	Correct Option
1	Entertair		✓
2	Variable		
3	Assumpt	ion	
4	Methodo	logy	
Q.9		X and Y are siblings. C and D are wife and husband, respectively; X is the only son of C D. How is Y related to F?	Question ID:
IVIa	rks	1	10091382
No		Options Details	Correct Option
1	Niece		✓
2	Uncle		
3	Nephew		
4	Cousin		
	Cousin		
Q.9	92	What was the day of week on 1 April, 2001?	
Ма	rks	1	Question ID: 10091383
No		Options Details	Correct Option
1	Sunday	·	√
2	Monday		▼
3	Tuesday		
4	Wednes		
	vveuiles	auy	

Q.9	Assertion (A): The Indian Constitution came into force with effect from 26 January January is celebrated as Republic Day.	1950. Reason (R): 26
Mai	rks 1	Question ID: 10091384
No	Options Details	Correct Option
1	A is true but R is false	
2	A is false but R is true	
3	Both A and R are true and R is not the correct explanation of A	
4	Both A and R are true and R is the correct explanation of A	✓

Q.94	Evaluate the following statements in terms of whether each is a fact, opinion, prejudice, or advice.
	I. Women are not suitable for police service.
	II. In a democracy no party should be in power for too long.
	III. Have proper rest, even during the examination time.
	IV. Obesity is a risk factor for coronary heart disease.
	Which one of the following is correct? Fact Opinion Prejudice Advice Fact Opinion Prejudice Advice Fact Opinion Prejudice Advice
	Fact
	Opinion
	Prejudice
	Advice
	(a)
	III
	II
	1
	IV
	(b)
	IV
	II
	1
	III
	(c)
	IV
	II
	III
	1
	(d)
	IV
	III
	II
	Question ID:

		Question ID:	-	
Marks	1	10091385		

No	Options Details	Correct Option	
1	(a) III II I IV		
2	(b) IV II I III	✓	

Q.9	4	Evaluate the following statements in terms of whether each is a fact, opinion, prejudice,	or advice.
		I. Women are not suitable for police service.	
		II. In a democracy no party should be in power for too long.	
		III. Have proper rest, even during the examination time.	
		IV. Obesity is a risk factor for coronary heart disease.	
		Which one of the following is correct? Fact Opinion Prejudice Advice Fact Opinion Prejudice Advice	dice Advice Fact
		Fact	
		Opinion	
		Prejudice	
		Advice	
		(a)	
		III	
		II	
		I	
		IV	
		(b)	
		IV	
		II	
		I	
		III	
		(c)	
		IV	
		II	
		III	
		I	
		(d)	
		IV	
		III	
		I	
		II	
Maı	rks	1	Question ID: 10091385
No		Options Details	Correct Option
3	(c) IV II I		

Q.9)4	Evaluate the following statements in terms of whether each is a fact, opinion, prejudice,	or advice.
		I. Women are not suitable for police service.	
		II. In a democracy no party should be in power for too long.	
		III. Have proper rest, even during the examination time.	
		IV. Obesity is a risk factor for coronary heart disease.	
		Which one of the following is correct? Fact Opinion Prejudice Advice Fact Opinion Prejudice Advice	dice Advice Fact
		Fact	
		Opinion	
		Prejudice	
		Advice	
		(a)	
		III	
		II	
		I .	
		IV	
		(b)	
		IV	
		II	
		I and the second	
		III	
		(c)	
		IV	
		II	
		III	
		T. Control of the con	
		(d)	
		IV	
		III	
		T. Control of the con	
		II	
			Question ID:
Mai	rks	1	10091385
No		Options Details	Correct Option
4	(d) IV III		

Q.9	5 Inductive reasoning is based on			
Mai	ks 1	Question ID: 10091386		
No	Options Details	Correct Option		
1	Unity of nature			
2	Laws of nature			
3	God created the world			
4	Uniformity of nature	✓		
Q.9	6 The appropriate definition of a computer is a/an			
Mai	rks 1	Question ID: 10091387		
No	Options Details	Correct Option		
1	machine that can process the information			
2	electronic device that can store, retrieve and quickly process both quantitative and	✓		
	qualitative data quickly and accurately			
3	electronic device that can store, retrieve and quickly process only quantitative data			
4	electronic device that can store, retrieve and quickly process only qualitative data			
Q.9	7 The is/are example/s of operating systems. I. Unix/BSD II. II. GNU/Linux III. IV. Mac OS: Mac OS X	III. Windows IV.		
Marks 1				
No	Options Details	Correct Option		
1	II, III and IV			
2	I, II and III			
3	I, III and IV			
4	All of these	✓		

Q.9	8	The largest unit of storage is	
			Question ID:
Mai	rks	1	10091389
		·	
No		Options Details	Correct Option
1	Megabyt		
2	Gigabyte		
3	Terabyte		✓
4	Kilobyte		
Q.9	9	Errors in computer programme are called	
			Question ID:
Mai	rks	1	10091390
No	0	Options Details	Correct Option
1	Spam		
2	Follies		
3	Mistakes		
4	Bugs	· ·	
			✓
I			V
Q.1	00	A storage area used to store data to compensate for the difference in speed at which the	
Q.1	00	A storage area used to store data to compensate for the difference in speed at which the can handle data is	
Q.1	00		
Q.1	00		
Q.1	00		e different units
Q.1		can handle data is	e different units Question ID:
			e different units
		can handle data is	e different units Question ID:
Ма		can handle data is 1	Question ID:
Ma No	rks	1 Options Details	Question ID:
Ma No	rks Address	1 Options Details	Question ID:
Ma No 1	rks Address Accumul	1 Options Details	Question ID: 10091391 Correct Option