

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	<p>The Ebola virus in parts of Africa is in excess of what is expected for this region. This virus is a/an _____</p> <p>A1 : Epidemic</p> <p>A2 : Endemic</p> <p>A3 : Pandemic</p> <p>A4 : Cluster</p>	4.0	1.00
Objective Question				
2	2	<p>Epidemiologists use a model for studying infectious disease and its spread that involves the microbe that causes the disease, the organism that harbors the disease, and the external factors that cause or allow disease transmission. This is also known as</p> <p>A1 : Host, vector, and transmission.</p> <p>A2 : Transmission, host, and environment.</p> <p>A3 : Host, agent, and environment.</p> <p>A4 : Organism, transmission, and environment</p>	4.0	1.00
Objective Question				
3	3	<p>Droplet nuclei are dried residues of infectious agents remain suspended in air for long time having a size of</p> <p>A1 : 1-5 microns in diameter</p> <p>A2 : &gt;5 microns in diameter</p> <p>A3 : &lt;0.5 microns in diameter</p> <p>A4 : &gt;50 microns in diameter</p>	4.0	1.00
Objective Question				
4	4	<p>A particular trait imparts partial protection from particular type of malaria.</p> <p>A1 Polycythemia</p>	4.0	1.00

		:  A2 Sickle cell anemia :  A3 Sideroblasticanemia :  A4 Hemochromatosis :		
Objective Question				
5	5	The genetic material of influenza virus is  A1 Single stranded DNA :  A2 Double stranded RNA :  A3 Single stranded RNA :  A4 None of these :	4.0	1.00
Objective Question				
6	6	Genetic variation in viruses contributes to their ability to evade the immuneresponse. Select the principal means by which antigenic shift occurs in influenza A virus.  A1 Low fidelity of DNA dependent DNA polymerase :  A2 Low fidelity of reverse transcriptase :  A3 Reassortment of fragments of the RNA genome :  A4 Recombination between RNA genomes :	4.0	1.00
Objective Question				
7	7	The cell wall of gram-positive bacteria may contribute to the development of septic shock. Identify the component which is most associated with the induction of septic shock.  A1 Capsular protein :  A2 Endotoxin :  A3 Peptidoglycan :  A4 Teichoic acid :	4.0	1.00

Objective Question				
8	8	<p>The aminoglycosides are a very active group of antibacterial agents, particularly against Gram-negative bacilli. Identify their mode of action from the list.</p> <p>A1 : Disruption of cytoplasmic membrane function</p> <p>A2 : Inhibition of bacterial cell wall synthesis</p> <p>A3 : Inhibition of bacterial DNA gyrase</p> <p>A4 : Inhibition of protein synthesis</p>	4.0	1.00
Objective Question				
9	9	<p>Select the culture medium which would be most appropriate to isolate <i>Haemophilus influenzae</i> from the patient.</p> <p>A1 : Blood agar</p> <p>A2 : Chocolate bacitracin agar</p> <p>A3 : MacConkey agar</p> <p>A4 : Methicillin mannitol salt agar</p>	4.0	1.00
Objective Question				
10	10	<p>Which of the following structures contains genes for enzymes and antibiotic resistance?</p> <p>A1 : Plasmid</p> <p>A2 : Pilus</p> <p>A3 : Capsule</p> <p>A4 : Plasma membrane</p>	4.0	1.00
Objective Question				
11	11	<p>Which of the following is the most important structure related to microbial attachment to cells?</p> <p>A1 : Flagellum</p> <p>A2 : Plasmid</p> <p>A3 : Peptidoglycan</p>	4.0	1.00

		A4 Glycocalyx :		
Objective Question				
12	12	Which of the following diseases and bacteria are matched up incorrectly?  A1 Treponema pallidum – syphilis :  A2 Tinea nigra – Cladosporiumwerneckii :  A3 Borreliaburgdorferi – lyme disease :  A4 Yersinia enterocolitica – diphtheria :	4.0	1.00
Objective Question				
13	13	Which of the following is not true concerning Staphylococcus aureus?  A1 S. Aureus is related to inflammation. :  A2 S. Aureus can cause pneumonia :  A3 S. Aureus can lead to acute bacterial endocarditis :  A4 S. Aureus does not make coagulase :	4.0	1.00
Objective Question				
14	14	Which of the following microorganisms has not been linked to UTI's?  A1 E. Coli :  A2 Pseudomonas :  A3 Klebsiella :  A4 Haemophilus :	4.0	1.00
Objective Question				
15	15	The vector which transmits zika, chikungunya and dengue viruses are  A1 Aedes. Albopictus :  A2 Aedesaegypti :  A3 Anopheles stephensi	4.0	1.00

		:  A4 Both Aedes. Albopictus & Aedes aegypti :		
Objective Question				
16	16	<p>The new coronavirus (COVID-19) is identical to which of the following previous outbreak viruses.</p> <p>A1 MERS-CoV :</p> <p>A2 SARS-CoV :</p> <p>A3 NL63 (alpha coronavirus) :</p> <p>A4 All of these :</p>	4.0	1.00
Objective Question				
17	17	<p>Which of the following assays are widely used to investigate antibiotic resistance of some bacteria.</p> <p>A1 Resazurin assay :</p> <p>A2 Mtt assay :</p> <p>A3 Trypan blue assay :</p> <p>A4 Gram stain assay :</p>	4.0	1.00
Objective Question				
18	18	<p>Which of the following chemical modifications in bacterial cells inactivates the activity of antibiotics</p> <p>A1 Hydrolyzation :</p> <p>A2 Acetylation :</p> <p>A3 Phosphorylation :</p> <p>A4 All of these :</p>	4.0	1.00
Objective Question				
19	19	<p>The genes which encode beta lactamases and impart resistance to beta lactam drugs</p> <p>A1 Ampc gene :</p> <p>A2 Bla gene :</p>	4.0	1.00

		<p>A3 P-glycoprotein gene :</p> <p>A4 Both Ampc gene &amp; Bla gene :</p>		
Objective Question				
20	20	<p>The target antigen for malaria rapid diagnosis are</p> <p>A1 Hrp-2 :</p> <p>A2 Adh &amp; aldolase :</p> <p>A3 Both Hrp-2 &amp; Adh, aldolase :</p> <p>A4 None of these :</p>	4.0	1.00
Objective Question				
21	21	<p>Protozoa have several types of vacuoles. The function of a contractile vacuole is to</p> <p>A1 Maintain osmotic balance by continuous water expulsion :</p> <p>A2 Creates sites of food digestion :</p> <p>A3 Contain specific enzymes that perform various functions :</p> <p>A4 Have sites for photosynthesis :</p>	4.0	1.00
Objective Question				
22	22	<p>Human transmission of Brucellae occurs by</p> <p>A1 Ingestion of contaminated meat :</p> <p>A2 Direct contact with animal tissues :</p> <p>A3 Ingestion of infected milk :</p> <p>A4 All of these :</p>	4.0	1.00
Objective Question				
23	23	<p>Viral RNA is replicated in the host cell</p> <p>A1 Cytoplasmic matrix :</p>	4.0	1.00

		<p>A2 Nucleus :</p> <p>A3 Mitochondria :</p> <p>A4 Lysozomes :</p>		
Objective Question				
24	24	<p>Virulent and nonvirulent viruses may not</p> <p>A1 inhibit host cell DNA synthesis :</p> <p>A2 inhibit host cell RNA synthesis :</p> <p>A3 stimulate host cell macromolecule synthesis :</p> <p>A4 degrade host cell DNA :</p>	4.0	1.00
Objective Question				
25	25	<p>Which of the following virus is always detectable after infections?</p> <p>A1 Hepatitis B virus :</p> <p>A2 Herpes simplex virus :</p> <p>A3 Varicella-zoster virus :</p> <p>A4 Cytomegalovirus :</p>	4.0	1.00
Objective Question				
26	26	<p>CoVs are</p> <p>A1 RNA viruses :</p> <p>A2 DNA Viruses :</p> <p>A3 Prions :</p> <p>A4 None of these :</p>	4.0	1.00
Objective Question				
27	27	<p>Blight diseases of rice is caused by</p> <p>A1 Oryzasativa</p>	4.0	1.00

		:  A2 Xanthomonasoryzae :  A3 Clostridium sp :  A4 Enterococcusfaecalis :		
Objective Question				
28	28	Which of the following is not essential for Immunoprecipitation?  A1 Protein A :  A2 Protein G :  A3 Anti-mouse HRP conjugate :  A4 Anti-mouse sepharose conjugate :	4.0	1.00
Objective Question				
29	29	Maturation of B cell occurs in  A1 Thymus :  A2 Lymph node :  A3 Blood :  A4 Bone marrow :	4.0	1.00
Objective Question				
30	30	The consensus sequence required for the initiation of translation is termed as:  A1 Pribnow Box :  A2 Kozak Sequence :  A3 Shine Dalgarno Sequence :  A4 TATA Box :	4.0	1.00
Objective Question				
31	31	All the amino acids are encoded by more than one codon except	4.0	1.00



		<p>A1 Methionine and tryptophan :</p> <p>A2 Serine :</p> <p>A3 Methionine :</p> <p>A4 Valine :</p>		
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Objective Question

32	32	<p>The protein which regulates the expression of genes by decreasing the rate of transcription is called</p> <p>A1 Inducer :</p> <p>A2 Repressor :</p> <p>A3 Enhancer :</p> <p>A4 Both Inducer &amp; Enhancer :</p>	4.0	1.00
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Objective Question

33	33	<p>In eukaryotes, DNA methylation is catalysed by</p> <p>A1 DNA methyl transferases :</p> <p>A2 methyl isocyanate :</p> <p>A3 methyl ester protease :</p> <p>A4 terminal DNA transferase :</p>	4.0	1.00
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Objective Question

34	34	<p>Ribosomes are made up of</p> <p>A1 Proteins :</p> <p>A2 RNA :</p> <p>A3 RNA and Proteins :</p> <p>A4 RNA, Proteins and lipids :</p>	4.0	1.00
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Objective Question				
35	35	<p>The binding of mRNA to 30S subunit is initiated by</p> <p>A1 : Initiation factor IF3</p> <p>A2 : Initiation factor IF1</p> <p>A3 : Initiation factor IF5</p> <p>A4 : Initiation factor IF4</p>	4.0	1.00
Objective Question				
36	36	<p>Sterilization can be performed by using _____.</p> <p>A1 : Heat</p> <p>A2 : Filtration</p> <p>A3 : Chemicals</p> <p>A4 : All of these</p>	4.0	1.00
Objective Question				
37	37	<p>Which of the following are commonly used control/housekeeping gene in QRT-PCT?</p> <p>A1 : Actin</p> <p>A2 : GAPDH</p> <p>A3 : P53</p> <p>A4 : Both Actin &amp; GAPDH</p>	4.0	1.00
Objective Question				
38	38	<p>Which of the following method cannot be used to study the protein-protein interaction?</p> <p>A1 : Surface plasmon surface detection</p> <p>A2 : Yeast-2-hybrid screening</p> <p>A3 : GST-pull down</p> <p>A4 : Flow cytometer</p>	4.0	1.00

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Objective Question				
39	39	<p>Bacterial artificial chromosome can be best transformed to Escherichia coli using</p> <p>A1 : Microinjection</p> <p>A2 : Electroporation</p> <p>A3 : Lipofection</p> <p>A4 : Liposuction</p>	4.0	1.00
Objective Question				
40	40	<p>Unspecific amplification in polymerase chain reaction can be avoided by using</p> <p>A1 : High annealing temperature</p> <p>A2 : Increased template DNA</p> <p>A3 : High DNA Polymerase</p> <p>A4 : Low annealing temperature</p>	4.0	1.00
Objective Question				
41	41	<p>Which of the following dye can be used to study cell proliferation in flow cytometry?</p> <p>A1 : Ethidium bromide</p> <p>A2 : Propidium iodide</p> <p>A3 : Phycoerythrin</p> <p>A4 : Phycocyanin</p>	4.0	1.00
Objective Question				
42	42	<p>The dye used in two-dimension differential gel electrophoresis is</p> <p>A1 : Cy2, 3 &amp; 5</p> <p>A2 : Cy2, 3 &amp; 4</p> <p>A3 : Cy1, 2 &amp; 3</p>	4.0	1.00

		A4 : Cy3, 4 & 5		
Objective Question				
43	43	<p>Study of all protein samples recovered directly from environmental sources is termed as</p> <p>A1 : Proteomic</p> <p>A2 : Transcriptomics</p> <p>A3 : Metaproteomics</p> <p>A4 : Metagenomics</p>	4.0	1.00
Objective Question				
44	44	<p>Bioaugmentation involves</p> <p>A1 : Use of genetically modified DNA for bioremediation</p> <p>A2 : Use of microbes for bioremediation</p> <p>A3 : Use of compost for bioremediation</p> <p>A4 : None of these</p>	4.0	1.00
Objective Question				
45	45	<p>All organic matters are finally broken down to</p> <p>A1 : Carbon</p> <p>A2 : Urea</p> <p>A3 : Oxygen</p> <p>A4 : None of these</p>	4.0	1.00
Objective Question				
46	46	<p>Rhizofiltration is used to</p> <p>A1 : Reduce mobility of contaminated soil</p> <p>A2 : Reduce contamination of natural wetland</p>	4.0	1.00

		<p>A3 Reduce pesticide accumulation :</p> <p>A4 Prevent leaching contaminants from the disposal site :</p>		
Objective Question				
47	47	<p>Which of the following is not a vector used in gene therapy?</p> <p>A1 AAV :</p> <p>A2 Herpes :</p> <p>A3 Retro virus :</p> <p>A4 HIV :</p>	4.0	1.00
Objective Question				
48	48	<p>One gram of soil sample has been diluted to <math>10^{-5}</math> and 0.5 ml of it has been inoculated in a petri plate containing agar media. The number of colonies recorded in the plate after 24hrs incubation is 60. The CFU count will be:</p> <p>A1 <math>60 \times 10^{-5}/g</math> :</p> <p>A2 <math>60 \times 10^5/g</math> :</p> <p>A3 <math>120 \times 10^{-5}/g</math> :</p> <p>A4 <math>120 \times 10^5/g</math> :</p>	4.0	1.00
Objective Question				
49	49	<p>An Hfr strain of E. coli contains</p> <p>A1 A vector of yeast or bacterial origin which is used to make many copies of particular DNA sequence :</p> <p>A2 A bacterial chromosomes with a human gene inserted :</p> <p>A3 Bacterial chromosomes with a F factor inserted :</p> <p>A4 Human chromosome with a transposable element inserted :</p>	4.0	1.00
Objective Question				
50	50	<p>Which component of transcribed RNA in eukaryotes is present in the initial transcript but is removed before translation occurs?</p> <p>A1 Intron :</p>	4.0	1.00

		<p>A2 : 3'-poly A tail</p> <p>A3 : Ribosome binding site</p> <p>A4 : 5' cap</p>		
Objective Question				
51	51	<p>A linkage map</p> <p>A1 : orders genes on a chromosome based on recombination frequencies</p> <p>A2 : can only be constructed for sex chromosomes</p> <p>A3 : orders genes on a chromosome based on their location with respect to a stained band</p> <p>A4 : shows the actual ordering and spacing of genes on a chromosome</p>	4.0	1.00
Objective Question				
52	52	<p>Each cell in an individual with Down syndrome contains ____ chromosomes.</p> <p>A1 : 47</p> <p>A2 : 22</p> <p>A3 : 24</p> <p>A4 : 45</p>	4.0	1.00
Objective Question				
53	53	<p>The acrosome of the sperm is formed from the</p> <p>A1 : Mitochondria</p> <p>A2 : Centrosome</p> <p>A3 : Lysosome</p> <p>A4 : Golgi bodies</p>	4.0	1.00
Objective Question				
54	54	<p>An open reading frame is one that has-</p>	4.0	1.00

		<p>A1 No start and stop codon :</p> <p>A2 A start &amp; stop codon :</p> <p>A3 No start but stop codon :</p> <p>A4 A start but no stop codon :</p>		
Objective Question				
55	55	<p>Which of the following is not associated with cell cycle-?</p> <p>A1 Cyclins :</p> <p>A2 Myosins :</p> <p>A3 CDK :</p> <p>A4 DNA polymerases :</p>	4.0	1.00
Objective Question				
56	56	<p>In a Sephadex gel filtration column, a mixture of albumin, lysozyme and thymidine was loaded. In what sequence these will be eluted from the column-</p> <p>A1 Albumin &gt; Lysozyme &gt; Thymidine :</p> <p>A2 Lysozyme &gt; Thymidine &gt; Albumin :</p> <p>A3 Thymidine &gt; Albumin &gt; Lysozyme :</p> <p>A4 Thymidine &gt; Lysozyme &gt; Albumin :</p>	4.0	1.00
Objective Question				
57	57	<p>Compound microscope was discovered by</p> <p>A1 Antony von :</p> <p>A2 Pasteur :</p> <p>A3 Johnsen &amp; Hans :</p> <p>A4 None of these :</p>	4.0	1.00

Objective Question				
58	58	<p>Which of the following is ionizing radiation?</p> <p>A1 : U.V. rays</p> <p>A2 : Infrared rays</p> <p>A3 : X-rays</p> <p>A4 : None of these</p>	4.0	1.00
Objective Question				
59	59	<p>Nagler's reaction detects</p> <p>A1 : Coagulase</p> <p>A2 : Hyaluronidase</p> <p>A3 : Lecithinase</p> <p>A4 : None of these</p>	4.0	1.00
Objective Question				
60	60	<p>Which of the following is an example of RNA virus?</p> <p>A1 : SV 40</p> <p>A2 : T4 phage</p> <p>A3 : Tobacco mosaic virus</p> <p>A4 : Adeno virus</p>	4.0	1.00
Objective Question				
61	61	<p>In which medium the hydridoma cells grow selectively?</p> <p>A1 : Polyethylene glycol</p> <p>A2 : Hypoxanthine aminopterinthymine</p> <p>A3 : Hypoxathing-guaning phosphoribosyl transferase</p> <p>A4 Both Hypoxanthine aminopterinthymine and Hypoxathing-guaning phosphoribosyl transferase</p>	4.0	1.00



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Objective Question				
62	62	Double standard RNA is seen in	4.0	1.00
		A1 : Reo virus		
		A2 : Rhabdo virus		
		A3 : Parvo virus		
		A4 : Retro virus		
Objective Question				
63	63	Shick test is used for the detection of	4.0	1.00
		A1 : Diphtheria		
		A2 : T.B.		
		A3 : Cholera		
		A4 : Typhoid		
Objective Question				
64	64	Attenuated, oral poliomyelitis vaccine is	4.0	1.00
		A1 : BCG		
		A2 : Measles vaccine		
		A3 : Sabin vaccine		
		A4 : TAB vaccine		
Objective Question				
65	65	Moutax reaction is used for detection of	4.0	1.00
		A1 : Tuberculosis		
		A2 : Diphtheria		
		A3 : Cholera		

		A4 : None of these		
Objective Question				
66	66	<p>Example for live vaccine is</p> <p>A1 : Rubella &amp; BCG</p> <p>A2 : Polio &amp; TAB</p> <p>A3 : Diphtheria &amp; Tetanus</p> <p>A4 : Hepatitis A &amp; Rabies</p>	4.0	1.00
Objective Question				
67	67	<p>Kinetosomes are observed in</p> <p>A1 : Algae</p> <p>A2 : Fungi</p> <p>A3 : Protozoa</p> <p>A4 : Viruses</p>	4.0	1.00
Objective Question				
68	68	<p>Lyme disease is caused by</p> <p>A1 : Bacteria</p> <p>A2 : Fungi</p> <p>A3 : Spirochaete</p> <p>A4 : Virus</p>	4.0	1.00
Objective Question				
69	69	<p>“Toxic shock syndrome” is caused by the toxin of</p> <p>A1 : Staphylococcus aureus</p> <p>A2 : Streptococcus pyogen</p>	4.0	1.00

		<p>A3 Vibrio cholera :</p> <p>A4 Candida :</p>		
Objective Question				
70	70	<p>Yellow fever is caused by</p> <p>A1 Bunya virus :</p> <p>A2 Calci virus :</p> <p>A3 Arbo virus :</p> <p>A4 None of these :</p>	4.0	1.00
Objective Question				
71	71	<p>Pfeiffer phenomenon is related to</p> <p>A1 Vibrio cholerae :</p> <p>A2 Bacillus anthrax :</p> <p>A3 Rickettsial pox :</p> <p>A4 All of these :</p>	4.0	1.00
Objective Question				
72	72	<p>Endotoxin produced by gramnegative bacteria is present in</p> <p>A1 Peptidoglycan :</p> <p>A2 Lippolysacharide :</p> <p>A3 Theichoic acid :</p> <p>A4 Inner membrane :</p>	4.0	1.00
Objective Question				
73	73	<p>Which one of the following was Gramnegative, chemolithotrophic bacteria is _____</p> <p>A1 Siderococcus :</p> <p>A2 E.coli</p>	4.0	1.00

		<p>:</p> <p>A3 Spirellum :</p> <p>A4 Mycoplasms :</p>		
Objective Question				
74	74	<p>The mode of reproduction which occurs in mycoplasma is</p> <p>A1 Budding :</p> <p>A2 Bursting :</p> <p>A3 Binary fission :</p> <p>A4 Binary fusion :</p>	4.0	1.00
Objective Question				
75	75	<p>Which one of the following is about Herpes viruses?</p> <p>A1 Icosahedral, with envelope, ds DNA :</p> <p>A2 Polyhedral with envelope, ds DNA :</p> <p>A3 RNA, helical with envelope :</p> <p>A4 dsDNA, brick shape :</p>	4.0	1.00
Objective Question				
76	76	<p>The smallest virus is</p> <p>A1 Parvo virus :</p> <p>A2 Rhabdo virus :</p> <p>A3 Pox virus :</p> <p>A4 Adeno virus :</p>	4.0	1.00
Objective Question				
77	77	<p>Influenza virus contains</p> <p>A1 Eight segments of RNA :</p>	4.0	1.00

		<p>A2 : Two strands of RNA</p> <p>A3 : Single RNA</p> <p>A4 : None of these</p>		
Objective Question				
78	78	<p>What are the Cell receptors for Influenza viruse</p> <p>A1 : Sialic acid</p> <p>A2 : Sialic acid containing glycoproteins</p> <p>A3 : Glycolipid</p> <p>A4 : Sialic acid containing glycolipid</p>	4.0	1.00
Objective Question				
79	79	<p>CD155 is receptor for</p> <p>A1 : Poliovirus</p> <p>A2 : HIV</p> <p>A3 : Hepatitis virus</p> <p>A4 : Rabies virus</p>	4.0	1.00
Objective Question				
80	80	<p>Myristylated protein in the picornavirus capsid is</p> <p>A1 : VP4</p> <p>A2 : VP2</p> <p>A3 : VP6</p> <p>A4 : VPm</p>	4.0	1.00
Objective Question				
81	81	<p>In RNA silencing 'Dicer' is</p>	4.0	1.00

		<p>A1 RNase II :</p> <p>A2 RNase III :</p> <p>A3 DNase II :</p> <p>A4 DNase III :</p>		
Objective Question				
82	82	<p>The rate at which the DNA Sequences evolve and diverge at a constant rate is known as</p> <p>A1 Molecular evolution :</p> <p>A2 Molecular divergence :</p> <p>A3 Molecular clock :</p> <p>A4 Genetic drift :</p>	4.0	1.00
Objective Question				
83	83	<p>Given below are two statements, one labelled as Assertion (a) and the other labelled as reason(R):</p> <p>Assertion (A): Most of the evolutionary theories support natural selection Reason (R): Mass extinction of giant and dominating dinosaurs is due to natural selection</p> <p>In the context of the above two statements, which of the following statements is correct</p> <p>A1 Both (A) and (R) are true and (R) is the correct explanation of (A) :</p> <p>A2 Both (A) and (R) are true but (R) is not the correct explanation of (A) :</p> <p>A3 (A) is true and (R) is false :</p> <p>A4 (A) is false and (R) is true :</p>	4.0	1.00
Objective Question				
84	84	<p>In the light of modern evidences, the original theory of Darwin is now known as a</p> <p>A1 Re- Darwinism :</p> <p>A2 Neo- Darwinism :</p> <p>A3 Iso- Darwinism :</p>	4.0	1.00

		A4 Trans- Darwinism :		
Objective Question				
85	85	Member of the same species which are capable of interbreeding is best describe as  A1 Community :  A2 Population :  A3 Eco system :  A4 Biosphere :	4.0	1.00
Objective Question				
86	86	Which of the fact suggests that eukaryotic mitochondria and chloroplast are evolved from prokaryotes?  A1 The ribosome found in chloroplast and mitochondria are similar in size as found in prokaryotes :  A2 DNA is present in both chloroplast and mitochondria :  A3 The inner membrane of chloroplast and mitochondria is similar to prokaryotes while outer membranes are similar to eukaryotes :  A4 All of these :	4.0	1.00
Objective Question				
87	87	Which of the following would cause deviation from the Hardy – Weinberg equilibrium?  A1 Small population :  A2 Isolation :  A3 Random mating :  A4 Lack of selection pressure :	4.0	1.00
Objective Question				
88	88	If 16% of the persons in a population show a recessive trait, what is the allelic frequency for the dominant allele?  A1 4% :  A2 16% :  A3 84%	4.0	1.00

		:  A4 96% :		
Objective Question				
89	89	<p>Choose the correct sequence of evolutionary events in one form of allopatric speciation, using the codes given below</p> <p>I. Geographical isolation II. Ecological isolation III. Increased pre- mating reproductive isolation IV. Increased genetic divergence V. Selection completed.</p> <p>A1 III IV II V :</p> <p>A2 I IV III V :</p> <p>A3 III II IV V :</p> <p>A4 I II III V :</p>	4.0	1.00
Objective Question				
90	90	<p>Mangroves are highly productive eco system but they are poor in bird diversity because</p> <p>A1 Lack of structural diversity :</p> <p>A2 Lack of food diversity :</p> <p>A3 More number of predators that feed on birds :</p> <p>A4 Lack of breeding place :</p>	4.0	1.00
Objective Question				
91	91	<p>Among the following which would lead into new species formation</p> <p>A1 Increased resources :</p> <p>A2 Niche overlapping tolerance :</p> <p>A3 Niche specialization :</p> <p>A4 Lack of competition :</p>	4.0	1.00
Objective Question				
92	92	<p>“Inclusive fitness “ theory was originally put forward by</p>	4.0	1.00



		<p>A1 Hamilton :</p> <p>A2 RA Fisher :</p> <p>A3 JBS Haldane :</p> <p>A4 Darwin :</p>		
Objective Question				
93	93	<p>Altruistic behaviour is not seen in</p> <p>A1 Ant :</p> <p>A2 Bee :</p> <p>A3 Termite :</p> <p>A4 Silk Worm :</p>	4.0	1.00
Objective Question				
94	94	<p>Consider the following statement            I. Reciprocal altruism health or sacrifice repaid later            II. Kin selection present when self-sacrifice relatives lead to altruism            III. Courtship ritual minimizes agonistic behaviour before mating            IV. Cognition is the ability to store, process and use sensory information</p> <p>Which of the above statement are correct regarding animal behaviour?</p> <p>A1 I, II, and III :</p> <p>A2 II, III, and IV :</p> <p>A3 I, III, and IV :</p> <p>A4 I, II, III, and IV :</p>	4.0	1.00
Objective Question				
95	95	<p>Which of species are occupationally referred to us “opportunists”?</p> <p>A1 Allopatric species :</p> <p>A2 Sympatric species :</p> <p>A3 Peripatric species :</p>	4.0	1.00

		A4 : r – selected species		
Objective Question				
96	96	<p>Alpha male are example of</p> <p>A1 : Social dominance</p> <p>A2 : Intragroup aggression</p> <p>A3 : Agnostic behaviour</p> <p>A4 : All of these</p>	4.0	1.00
Objective Question				
97	97	<p>In plant tissue culture – callus is</p> <p>A1 : Differentiated non – dividing mass of cells</p> <p>A2 : Differentiated actively dividing mass of cell</p> <p>A3 : Undifferentiated non – dividing mass of cells</p> <p>A4 : Undifferentiated actively dividing mass of cell</p>	4.0	1.00
Objective Question				
98	98	<p>The production of substance in industrial microbiology occur in the sequence</p> <p>A1 : Fermentation, downstream processing, removal of waste and inoculation</p> <p>A2 : Inoculation, downstream processing, fermentation and removal of waste</p> <p>A3 : Inoculation, fermentation, downstream processing and removal of waste</p> <p>A4 : Removal of waste, inoculation, fermentation, and downstream processing</p>	4.0	1.00
Objective Question				
99	99	<p>Thermal death point is</p> <p>A1 : Time require to kill all cell at given temperature</p> <p>A2 : Lowest temperature necessary to kill all cells in 10 minutes</p> <p>A3 : Time and temperature require to kill all cells</p>	4.0	1.00

		:  A4 : All of these		
Objective Question				
100	100	Dysbiosis of microbiome indicates  A1 : Probiotics  A2 : Impaired microbiota  A3 : Abundance of Genus  A4 : Abundance of Species	4.0	1.00