171 PU Ph.D Medical Microbiology

136	f 100 PU_2016_171_E Flu is caused by which of the following group of viruses?
0	H3N2
0	H1N1
0	H5N1
0	H5N2
149 Plas	F 100 PU_2016_171_E smids in bacteria helps in:-
0	Transformation
0	Replication
0	Conjugation
0	Transduction
185 Red	F 100 PU_2016_171_E uvid bug is a vector for transmission of:-
0	Lyme disease
0	Relapsing fever
0	Chaga's disease
0	Scrub typus
106	f 100 PU_2016_171_E at is the culture medium for the growth of Leptospira?
0	EMJH (Ellinghausen, McCullough, Johnson and Harris) Medium
0 0	Lowenstein-Jensen (LJ) medium
	McLeod's and Hoyle's medium
	MacConkey agar
118 Whi	F 100 PU_2016_171_E ch of the following disease is caused by virus and transmitted by mosquito?
0	Filariasis
0	Plague
0	Typhus

0	Yellow fever
218	f 100 PU_2016_171_E st abundant antibody present in serum:-
0	IgE
0	IgM
0	IgA
0	IgG
135 Whi	f 100 PU_2016_171_E ich of the following vectors can carry the longest piece of foreign DNA?
0	Yeast Artificial Chromosomes
0	Plasmids
0	Bacteriophages
0	Cosmids
168 Berg	f 100 PU_2016_171_E gey's Manual of Systematic Bacteriology groups bacteria into species according to their:-
0	Morphology
0	Pathogenic properties
0	Phylogenetic relationships
0	Nutritional requirements
197 Bac	f 100 PU_2016_171_E teria which derive their energy from sunlight are called:-
0	Autotrophs
0	Heterotrophs
0	Phototrophs
0	Chemotrophs
115	of 100 PU_2016_171_E primary function of lymphoid organs:-
0	Produce T and B lymphocytes
0	Reserve tank in the formation of RBC
0	Process and present antigens to T cells

0	Serves as the graveyard for effect blood cells
156 Wh	of 100 PU_2016_171_E at is prophage?
0	DNA of temperate phage inserted into host chromosome
0	Lamda phage DNA
0	Transposons
0	Stage of cell cycle
147 Pro	of 100 PU_2016_171_E karyotic cells, but not eukaryotic cells, have:-
0	Endoplasmic reticulum
0	Nucleoid
0	Nucleus
0	Histones
195	of 100 PU_2016_171_E ich refers to the overall level of immunity in a community?
0	Local immunity
0	Herd immunity
0	Acquired immunity
0	Innate immunity
155 Ger chro	of 100 PU_2016_171_E netic element in bacteria that can replicate in the cytoplasm or can integrate into the bacterial omosome and replicate with the host chromosome:-
0	Episome
0	Plasmid
0	Plastome
0	Retrovirus
169	of 100 PU_2016_171_E iday structure of DNA refers to:-
0	Translation
0	Transposition

0	Transcription
0	Recombination
177	of 100 PU_2016_171_E organism grown on agar shows green colored colonies; likely organism is:-
0	Peptostreptococcus
0	E. coli
0	Staphylococcus
0	Pseudomonas
205	of 100 PU_2016_171_E anticodon is present in:-
0	rRNA
0	tRNA
0	mRNA
0	DNA
206	of 100 PU_2016_171_E ich of the following viruses has not been associated with human cancer?
0	Herpes simplex virus type 2
0	Varicella-Zoster virus
0	Hepatitis C virus
0	Hepatitis B virus
209	of 100 PU_2016_171_E ventein-Jensen medium is used for culturing:-
0	Salmonella
	Gram Positive Bacteria
0	Tuberculosis
0	Enterobacteria
179	of 100 PU_2016_171_E ich of the following bacteria produces coagulase?
0	Staphylococcus aureus
0	Staphylococcus saprophyticus

0	Staphylococcus epidermis
0	Staphylococcus hominis
175 Rap	of 100 PU_2016_171_E id examination of Tubercle bacilli is possible with:-
0	Kinyoun stain
0	Auramine-Rhodamine stain
0	Giemsa stain
0	Ziel-nelson stain
199 Whi	of 100 PU_2016_171_E ch of the following disease is transmitted by egg ingestion? Trichinosis Taeniasis
0	Hydatidosis
0	Strongyloidosis
208	PU_2016_171_E flask used in spontaneous generation experimental was:- flat flask swan-necked flask round flask None of the above
165	of 100 PU_2016_171_E sence of Negri bodies is the characteristic histopathological feature in which viral infection?
0	Hepatitis virus
0	Herpes virus
	Rabies virus
0	Smallpox virus
25 of 100 145 PU_2016_171_E Reagent used in catalase test is:-	
0	H_2O_2
U	H_2O

\cup	H_2S_2
0	HS ₂ O
219	of 100 PU_2016_171_E five-kingdom system of classification was set up by:-
0	Masaki Ogata
0	Robert Whittaker
0	Robert Koch
0	Louis Pasteur
157 Whi	of 100 PU_2016_171_E ch of the following macromolecule denaturates at 65 °C?
0	DNA
0	Proteins
0	Carbohydrates
	Lipids
196	of 100 PU_2016_171_E anisms whose optimum temperature for growth is 37°C are known as:-
0	Thermophiles
0	Halophiles
0	Psychrophiles
0	Mesophiles
178 Oral	of 100 PU_2016_171_E I polio vaccine is a:-
0	Live vaccine
0	Recombinant vaccine
0	Killed vaccine
0	Toxoid
107 DN/	of 100 PU_2016_171_E A replication takes place during:-
0	G1 - Phase
0	S- Phase

0	G2 - Phase
0	Prophase
176	of 100 PU_2016_171_E cination against Smallpox was developed for the first time by:- Edward Jenner Robert Hook
Ö	Louis Pasteur
	Paul Ehrlich
189	of 100 PU_2016_171_E ch of the following infestations leads to mal-absorption? Giardia lamblia
0	Ascarislumbricoidis
0	Necatoramerica
0	Ancyclostomaduodenale
187	PU_2016_171_E cell wall of a fungus is generally made up of:- Chitin Peptidoglycan Murein Cellulose
116 Whi	of 100 PU_2016_171_E ch of the following prevents the conversion of prothrombin to thrombin in an undamaged blood sel?
0000	Calcium ions
	Thromboplastin
	Heparin
0	Fibrinogen
159	of 100 PU_2016_171_E ong the following most primitive eukaryotes are-:- Tricomonads

0	Diatoms	
0	Fungi	
0	Diplomonads	
188 Amo	pof 100 PU_2016_171_E peba not found in human intestine:- E. gingivalis E. nana E. histolytica E.coli	
139	of 100 PU_2016_171_E Gram stain and acid-fast stain are based on chemical properties of the:-	
0	plasma membrane	
0	periplasmic space	
0	cell walls	
0	outer membrane	
109	PU_2016_171_E ch one of the following cells is not a phagocytic cell? Monocyte Basophil Neutrophil Macrophage	
39 of 100 146 PU_2016_171_E How does DNA differ from RNA?		
0	DNA consists of two strands in a double helix.	
0	They contain different sugars.	
0	One of their nitrogenous bases is different.	
О	DNA is larger.	
217	PU_2016_171_E yme neuraminidase is carried by which of the following viruses? Influenza virus	

0	Adenovirus
0	Epstein-Barr virus
0	Human immunodeficiency virus
119 Man	of 100 PU_2016_171_E nitol is:-
0	Amino Acid
0	Sugar alcohol
0	Sugar acid
О	Amino alcohol
148 A m	of 100 PU_2016_171_E utagen is:-
0	an organism that has been changed by a mutation
0	a gene that has been altered by a mutation
0	the portion of a chromosome altered by a mutation
0	something that causes a mutation
207	of 100 PU_2016_171_E ochin is used to test:-
0	Lactose fermentation
0	Antibiotic susceptibility
0	Glucose fermentation
0	Motility
127 Wha	of 100 PU_2016_171_E at does penicillin act upon?
0	Cell membrane
0	DNA synthesis
0	Protein Synthesis
0	Cell wall synthesis
215	of 100 PU_2016_171_E reaction between antibody and soluble antigen is demonstrated by:-

0	Complement fixation	
	Precipitation	
0	Agglutination	
166	of 100 PU_2016_171_E rsposable genetic elements (mobile genes) was first discovered by:-	
0	Alfred Griffith	
0	Van Niel	
0	Barbara McClintock	
0	Van Ermengem	
47 of 100 129 PU_2016_171_E Which of the following biological substances is similar to a scissor in a		
0	DNA polymerases	
0	Vectors	
0	Restriction Enzymes	
0	DNA probes	
186	of 100 PU_2016_171_E ebral malaria is caused by <i>Plasmodium</i> :-	
0	P. vivax	
0	P. falciparum	
0	P. malaria	
0	P. ovale	
49 of 100 158 PU_2016_171_E Who discovered Polymerase Chain Reaction (PCR) ?		
0000	F. Crick	
	Kary Mullis	
	James Watson	
0	David Baltimore	
105	of 100 PU_2016_171_E ni-conservative replication of DNA was first demonstrated in:- Streptococcuspneumonia	

0	Salmonellatyphimurium
0	Drosophilamelanogaster
0	Escherichia coli
198	PU_2016_171_E nonisins are the fungal contaminants of corn that were produced by Penicilliumcrysoginum Aspergillusflavus Fusarium moniliforme Clavicepspurpura
117	of 100 PU_2016_171_E s Pasteur is not associated with:-
0	Discovery of Rabies Vaccine
0	Discovery of M. tuberculosis
0	Introduction of Complex media
0	Disproved spontaneous regression theory
216 Son	of 100 PU_2016_171_E ication is a laboratory practice used to:-
0	Disrupt bacterial cell walls
0	Pellet down bacteria
0	Kill the bacteria
0	Grow bacteria effectively
54 of 100 108 PU_2016_171_E Bacterial conjugation was first described by:-	
0	Lederberg and Tatum
0	Luria and Delbruck
	Hershey and Chase
0	Avery Macleod and McCarty
125	PU_2016_171_E types of ribosomes found in prokaryotic cell are 100S

0	60S
0	80S
0	70S
167	of 100 PU_2016_171_E nediate type of allergic reaction is mediated by the following antibody? IgA IgM IgD
126	of 100 i PU_2016_171_E igenic drift is commonly seen in:-
0	Cholera
0	Diphtheria
0	Typhoid
0	Influenza virus
128	of 100 3 PU_2016_171_E ere does glycolysis occur in a cell?
0	Ribosome
0	Cytoplasm Mitochondrial matrix
0	Nucleoplasm
137 In a	of 100 'PU_2016_171_E microscope, the oil is used in oil immersion lenses for:-
0	Changing the refractive index of the medium
0	Lubricating the specimen on the slide for better view
0	Lubricating the lens
0	Improving the clarity of the lens
138	of 100 5 PU_2016_171_E determine fatty acid composition, which of the following tests would be performed? Fingerprinting

0	Ribotyping
0	Gas-liquid chromatography
0	Immunoassay
222	PU_2016_171_M ch of the following structure is present in prokaryotic cells? Mesosome Mitochondria Chloroplasts Golgi structure
243	of 100 PU_2016_171_M ch centre is stimulated during increase in body temperature?
0	Limbic system
0	Posterior hypothalamus
0	Anterior hypothalamus
0	Red nucleus
239 Hea	of 100 PU_2016_171_M It labile instruments for use in surgical procedure can be best sterilized by:-
0	Ethylene oxide gas
0	Ultra violet rays
0	Chlorhexidine
0	Absolute alcohol
64 of 100 238 PU_2016_171_M Which of the following is the most predominant constituent of sulphur granules of Actir	
0	Monocytes and Lymphocytes
0	Organisms
0	Neutrophils and Monocytes
O	Eosinophils
230	PU_2016_171_M ing replication process in bacteria-:- Both bacteria possess only parental DNA

0	Half of the DNA in both bacteria is parental while another half is newly synthesized
	Both bacteria possess new copy
0	One bacteria possess parental DNA while another possess new copy
242 A pe	of 100 PU_2016_171_M erson is suffering from frequent episodes of nasal discharge, nasal congestion, reddening of eyes and ery eyes. These are the symptoms of:-
0	Bronchitis
0	Cyanosis
0	Bronchial carcinoma
0	Rhinitis
247	of 100 PU_2016_171_M ne following examples, find out the one which is NOT the same or closely related? Insertion Sequence Elements
\circ	Jumping genes
\circ	Transposons
0	Cosmids
223	PU_2016_171_M word cell was first used by:- Ronald Ross Louis Pasteur Theodor Schwann Robert Hooke
250	of 100 PU_2016_171_M ch is the correct order, from smallest to largest number of base pairs?
0	plasmid, transposon, chromosomal DNA
0	plasmid, chromosomal DNA transposon
0	transposon, plasmid, chromosomal DNA
0	chromosomal DNA, transposon, plasmid
234	of 100 PU_2016_171_M rspecific hybrids have proved very useful for:-

000	Gene structure
	Gene mapping
	Gene function
0	Genetic manipulation
259 The don	of 100 PU_2016_171_M proofreading of newly synthesized DNA, to excise incorrect nucleotides which have been inserted, is e by:-
0	DNA ligase
0	DNA gyrase
0	DNA polymerase III
0	Restriction endonucleases
231	of 100 PU_2016_171_M nch septate hyphae found on corneal smear in a case of corneal ulcer is:- Mucor Candida Aspergillus Histoplasma
255	PU_2016_171_M consensus sequence in eukaryotic Hogness box is:- TATAAA TATATA TATATT TATAATG
254	of 100 PU_2016_171_M high risk Human Papilloma Virus (HPV) in India is:- HPV 24 &26
	Both B and C
	HPV 17 & 19
	HPV 16 & 18
	of 100 PU_2016_171_M

The	e major site of attack by HIV-virus on immune system is-:-
0	Macrophages
0	MHC
0	B- Lymphocytes
0	T-Lymphocytes
235 A g chro	of 100 5 PU_2016_171_M ene which suppresses the action of another gene not situated on the same locus on the same omosome is termed:-
0	Hypostatic gene
0	Jumping gene
0	Supplementary gene
0	Epistatic gene
246 The	of 100 5 PU_2016_171_M e following methods of diagnosis utilize labelled antibodies except:-
0	Immunofluorescence
0	Haemagglutination inhibition test
0	Radio Immuno Assay
0	ELISA
258	of 100 BPU_2016_171_M uctural lipids of cell membrane:-
0	Chromo lipids
0	Phospholipids
0	Steroid
0	Simple lipid
226 The	of 100 5 PU_2016_171_M e DNA sequence for two DNA was found to be different then also they code similar protein. It may be e to:-
0	Due to mutation in DNA
0	Using similar enzymes for transcription
0	More the one codon can code single amino acid
0	Start of transcription at different sites

251	of 100 PU_2016_171_M E.coli strain lacking of DNA polymerase I would be deficient in DNA:- Elongation Repair Splicing Methylation
292 Sor O O	of 100 PU_2016_171_D ne hyperthermophilic organisms that grow in highly acidic (pH2) habitats belong to the two groups:- Protists and mosses Cyanobacteria and diatoms Liverworts and yeasts Eubacteria and archaea
295	of 100 5 PU_2016_171_D ich of the following is correct about Arbovirus? Chikungunya is transmitted by Aedes Dengue has only one serotype KFD was first identified in West Bengal Yellow fever is endemic in India
279 Blo	of 100 PU_2016_171_D od stains are found at the site of a murder. If DNA profiling technique is to be used for identifying the ninal, which of the following is ideal for use? Platelets Leucocytes Serum Erythrocytes
270	of 100 PU_2016_171_D ich therapeutic antibiotic blocks the peptidyl transferase reaction of protein synthesis? Tetracycline Chloramphenicol Puromycin Erythromycin

298	of 100 B PU_2016_171_D the statement 'survival of the fittest', Darwin meant that:-
0	The most adaptable of the species to changes survives
0	The strongest of all species survives
0	The most intelligent of the species survives
0	The cleverest of the species survives
286 A b hrs.	of 100 5 PU_2016_171_D acteria having the doubling time of 30 mins, assuming 100,000 bacterial cells fill the culture tube at 8. At which time half of the tube would be achieved?
0	4 hrs
0	6.5hrs
0	7.5hrs
0	2hrs
260 Wh	of 100 PU_2016_171_D ich of the following makes direct use of oxygen?
0	Fermentation
0	Glycolysis
0	Kreb's citric acid cycle
0	Electron transport chain
269 Hea Sor	of 100 9 PU_2016_171_D at shock proteins of bacteria are originally described as proteins produced in response to heat stress. The are known to act as:-
0	Protein tyrosine kinase
0	Molecular chaperones that regulate protein folding
0	Protease that degrade ubiquitin- tagged proteins
0	Stress related protein
283 As	of 100 BPU_2016_171_D an antibiotic inhibiting protein synthesis, what is the specific action of Rifamycin?
0	Blocking binding at A-site or causing misreading of codon in prokaryotes
0	Inhibition of recognition on mRNA in both prokaryotes and eukaryotes
0	Denaturing RNA polymerase thereby blocking initiation at transcription in prokaryotes

0	Inhibition of elongation at transcription in eukaryotes
277	of 100 PU_2016_171_D he following contribute to promoter binding protein by RNA polymerase in <i>E.coli</i> except the:-
0	-35 consensus sequence
0	β sub unit RNA polymerase
0	-10 consensus sequence
0	rho Factor
282 BT	of 100 PU_2016_171_D brinjal is an example of transgenic crop. In this, BT refers to :-
0	a) Biotechnology
0	b) Betacarotene
0	c) Bacillus thuringiensis
0	d) Both b & c
299	PU_2016_171_D ich drug is given to prevent HIV transmission from mother to child? Nevirapine Stavudine Lamivudine Abacavir
291	of 100 PU_2016_171_D ich one of the following is matched wrongly for a microbe and its industrial product?
0	Yeast - statins
0	Clostridium butylicum - lactic acid
0	Aspergillus niger - citric acid
0	Streptococcus thermophilus - Yogurt
261	of 100 PU_2016_171_D en a mutation is limited to substitution of one nucleotide pair for another, it is called a:- Translocation
0	Deletion
0	Inversion

0	Point mutation
287 Sall	of 100 'PU_2016_171_D k vaccine is prepared from killed pathogenic:-
0	Salmonellatyphi
0	Salmonellaparatyphi
0	Influenza virus Poliovirus
0	Poliovirus
274 Whitech	of 100 PU_2016_171_D ich of the following types of information cannot be determined from the traditional Northern blotting nnique?
0	The half -life of the mRNA species
0	The size of the mRNA species
0	The amino acid sequence of protein coded by an mRNA species
0	The strand of DNA that is transcribed to mRNA
265	of 100 5 PU_2016_171_D 6 pu_set bacteriophages differ from other bacteriophages on the basis of:-
0	fragment the host cell chromosome
0	inhibit synthesis of host cell protein
0	can lysogenize the host cell
0	reproduce at moderate temperature
273 The exp	of 100 BPU_2016_171_D Expressed by probability of getting a viral infection is .0005. So out of 10,000 people, how many of them are exceed to get infected?
0	0.5
0	5
0	50
0	5.5
266	of 100 5 PU_2016_171_D 4+ is not important for which of the following?
0	Cytotoxicity of T cells
0	Opsonisation

0	Memory B cells
0	Antibody production
297 In cı	of 100 PU_2016_171_D rop improvement programmes, virus-free clones can be obtained through:-
0	Shoot apex culture
0	Grafting
0	Hybridization
0	Embryo culture