EXERCISE-I



KINGDOM MONERA

- **1.** Bacterial ribosomes are called
 - (A) Autosomes (B) Dictyosomes
 - (C) Centrosomes (D)Polyribosomes
- What is the nuclear material of a bacterium(A) Nucleic acid and histoxne protein
 - (B) Nucleic acid and cytoplasm
 - (C) Only nucleic acid
 - (D) All the above
- **3.** Why surgical instruments are boiled in water before use
 - (A) For killing the pathogens present on them
 - (B) So that doctors can use them easily
 - (C) Provides pleasure to the patient
 - (D) All the saprophytes die on the operative surface
- **4.** Bacterial photosynthesis is very peculiar because it takes place
 - (A) Without CO_2
 - (B) Without photosynthetic pigments
 - (C) Without light
 - (D) Without water
- **5.** Which of the following compounds are decomposed during putrefaction
 - (A) Proteins (B) Fats
 - (C) Carbohydrates (D)None
- **6.** The process of replication in plasmid DNA, other than initiation, is controlled by
 - (A) Plasmid gene
 - (B) Bacterial gene
 - (C) Cytoplasmic gene
 - (D) Mitochondrial gene
- 7. Bacteria reproduce sexually by
 - (A) Endospores(B) Transformation(C) Conidia(D) Exospores

- 8. Transfer of DNA from one bacteria to another by contact is known as
 (A) Conjugation (B) Transformation
 (C) Transduction (D) Transcription
- 9. Transformation experiment was performed
 - on which of the following bacteria
 - (A) E. coli
 - (B) Salmonella
 - (C) Pasturella pestis
 - (D) Diplococcus pneumoniae
- **10.** Viral genome incorporated and integrates with bacterial genomes is refer to as
 - (A) Prophages (B)RNA
 - (C) DNA (D)Both (B) and (C)
- 11. Which of the following decompose the remanents of the plants into CO₂ and water(A) Algae(B) Sunlight
 - (C) Virus (D) Bacteria
- **12.** What is the cause of flavour of tea and tobacco leaves
 - (A) Mechanical method
 - (B) Different strains of bacteria
 - (C) Activity of fungi
 - (D) Action of viruses
- **13.** Sugary solution is changed to vinegar by the action of

(A) Azotobacter	(B) Diplococcus
(C) Bacillus subtilis	(D) Mycoderma aciti

- **14.** Tetanolysin is produced by
 - (A) Mycobacterium laprae
 - (B) Clostridium botulinum
 - (C) Clostridium tetani
 - (D) None of these

Biological Classification

			В	iological Classification			
15.	Which of the following red pigment is	23.	The membrane of wh	ich one of the following			
	present in root nodules of bacteria		micro-organism is three layered $(A) N = (B) M = A$				
	(A) Phycoerythrin		(A) Nostoc	(B)Mycoplasma			
	(B) Bacterio chlorophyll		(C) E. coli	(D)Rhodospirillum			
	(C) Leg haemoglobin	24.	PPLO reproduce (mu	ltiply) by			
	(D) Bacterio viridin		(A) Gametic fusion	(B) Binary fission			
16.	Which of the following is disease causing		(C) Akinetes	(D)Endospore			
	bacterium in human beings	25.	Organisms without an	y specific shape are			
	(A) Escherichia coli		(A) Mycoplasmas	(B) Bacteria			
	(B) Xanthomonas citri		(C) Viruses	(D)Cyanobacteria			
	(C) T.M.V.	26.	Which of the follow	ing algae is symbiotic			
	(D) Pilobolus		and nitrogen fixing				
17.	Which of the following is Xanthomonas		(A) Spirogyra	(B) Cladophora			
	related		(C) Anabaena	(D)Oedogonium			
	(A) Xanthophyceae	27.	Blue-green algae	and bacteria show			
	(B) Causing disease in Xanthium		similarity in				
	(C) A kind of Virus		(A) Both show anaero	bic respiration			
10	(D) Causing Citrus canker disease		(B) Both show the presence of chlorophy				
18.	Leprosy is caused by $(A) \subseteq A^{(1)}$		(C) Both are devoid of true nucleus				
	(A) Spirillum (B) Flagellum		(D) None of the above	e			
	(C) Mycobacteria (D)	28.	Prokaryotes are chara	cterized by			
19.	<i>Pseudomonas</i> The poisonous substances commonly		(A) A true nucleus	with double layered			
19.	The poisonous substances commonly produced by bacteria are known as		nuclear membrane is	absent			
	(A) Toxin (Exotoxins) (B) Auxins		(B) Well developed	nucleus with double			
	(C) Antibiotic (D) Antitoxins		layered nuclear memb	orane present			
20.	Bacterial blight of rice is caused due to		(C) Presence of cell	wall made of chitins,			
200	(A) Xanthomonas oryzae		mucopolysaccharides and absence of ce				
	(B) Helminthosporium oryzae		organelles like mitoch	nondria and chloroplasts			
	(C) Pseudomonas falcatum		(D) Autotrophic in n	ature and only DNA is			
	(D) Xanthomonas falcatum		present				
21.	Size of PPLO is	29.	• The cells of cyanobacteria and bacter				
	(A) 0.10μ to 0.15μ (B) 0.21μ to 0.25μ		exhibit similarity in having				
	(C) 0.01μ to 0.08μ (D) 0.05μ to 0.10μ		(A) Plastids	(B) Nuclei (True)			
22.	Prokaryota includes		(C) Centrosome	(D)DNA			
	(A) Mycoplasma	30.	The name cyanobacte	ria refers to			
	(B) Ulothrix		(A) Bacteria	(B)Blue-green algae			
	(C) Fungi		(C) Yeast	(D)Fungi			
	(D) Mycoplasma and blue-green algae						

			40.				-	lassificat	
	KINGDOM PROTISTA			Proterosp	oongia is a	a conne	ecting li	nk betwee	en
31.	Which one is not a pro	-		(A) Proto	ozoa and p	porifera	a		
	(A) Plasmodium vivax			(B) Porif					
	(B) Paramecium caud	latum		(C) Proto	zoa and a	nnelid	a		
	(C) Enterobius vermic	claris		(D) Porifera and annelida					
	(D) Trypanosoma gan	nbiense			KINGDO	OM FU	UNGI		
32.	Unicellularity is chara	cteristic of	41.	Wart d	isease o	caused	by	Synchytr	ium
	(A) Cyanobacteria	(B)Monera		endobiotio	<i>cum</i> is fou	ind in			
	(C) Protista	(D)All of these		(A) Cabb	bage	(I	B)Potate	С	
33.	<i>Euglena</i> is a			(C) Pea		(I	D)Grou	ndnut	
	(A) Ciliate	(B)Sporozoan	42.	Septum	in eum	iycota	fungi,	bearing	a
	(C) Flagellate	(D)Sarcodine		complex	pore is de	esignat	ed as a		
34.	Protozoans are able to	o live efficiently due to		(A) Coenocyte					
	their			(B) Septa	ate hypha				
	(A) Motility			(C) Dolip	pore septu	ım			
	(B) Rapid reproductio	n		(D) Second	ndary sim	ple po	re		
	(C) Ability to manufactor	cture food	43.	Which of the following secretes t				retes tox	kins
	(D) Specialised organ	elles		during storage conditions of crop plants					
35.	Characteristic spores of	of diatoms are		(A) Fusarium (B) Pencillium			llium		
	(A) Ascospores	(B) Basidiospores		(C) Aspergillus (D) Colletotri		totrichum			
	(C) Auxospores	(D)Zoospores	44.	Which of the following produces spor				s spores,	but
36.	Who discovered malar	ria parasite		lacks vascular structure					
	(A) Sir Ronald Ross	(B) Charles Laveran		(A) Pteri	idophytes	(1	B)Gymr	nosperms	
	(C) Patrick Manson	(D)Grassi		(C) Fungi (D)Dicc		D)Dicot	S		
37.	Sporogony of malaria	l parasite occurs in	45.	The hyph	ae of Asp	pergillu	is are		
	(A) Liver of man			(A) Asep	tate and r	nultinu	icleate		
	(B) RBCs of man		(B) Septate		ate and mu	and multinucleate			
	(C) Stomach wall of n	nosquito		(C) Asep	tate and u	ininucl	eate		
	(D) Salivary glands of	f mosquito		(D) Septate and uninucleate					
38.	Nosema belongs to wh	nich phylum	46.				1		
	(A) Protozoa	(B)Porifera		(A) Zygo	ospore				
	(C) Chordata	(D)Coelenterata		(B) Prom	iycelium				
39.	Which is filter feeder			(C) Proga	ametangiu	ım			
	(A) Amoeba	(B) <i>Leech</i>		(D) Gam	etangium				
	(C) Spider	(D)Paramecium			-				
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				Biological Classification	
47.	In Mucor and Rhizopus there occurs a	54.		read, it becomes porous	
	phenomenon known as heterothallism which		due to release of CO		
	means		(A) Virus	(B) Yeast	
	(A) Fusion of two gametes from two thalli of		(C) Bacteria	(D)Protozoans	
	opposite strains	55.	Yeast is divided under	er the class	
	(B) Fusion of two gametes from thalli of		(A) Basidiomycetes	(B) Deuteromycetes	
	similar stain		(C) Ascomycetes	(D)Zygomycetes	
	(C) Formation of a zygospore partheno-	56.	'Mycorrhizae' are use	ful for plants mainly due	
	genetically		to their following attr	ibute	
	(D) Torula stage		(A) Fixing atmosphe	ric nitrogen	
48.	Which of the following plant and its mode of		(B) Enhanced absor	ption of nutrients from	
	nutrition is not correctly matched		soil		
	(A) <i>Cuscuta</i> – Stem parasite		(C) Killing insects an	nd pathogens	
	(B) <i>Mucor</i> – Autotroph		(D) Providing rest	istance against abiotic	
	(C) <i>Orobanche</i> – Root parasite		stresses		
	(D) Drosera – Insectivorous	57.	In lichens, sexual rep	production belongs to	
49.	Which one of the following fungus shows		(A) Fungal partner only		
	heterothallism		(B) Algal partner onl	У	
	(A) Erisyphe (B)Peziza		(C) Fungal and algal	partners (both)	
	(C) <i>Rhizopus</i> (D) <i>Peronospora</i>		(D) Either fungal partner or algal partner (
50.	Common bread mould is		both)		
	(A) Rhizopus oryzae	58.	Which one of the fol	lowing pairs is correctly	
	(B) Rhizobium species		matched		
	(C) Rhizopus nedosus		(A) Rhizobium –	Parasite in the roots of	
	(D) Rhizopus stolonifer			leguminous plants	
51.	The antibiotic obtained from the yeast is		(B) Mycorrhizae	- Mineral uptake from	
	(A) Ephedrin (B) Saccharin			soil	
	(C) Campestrin (D)Polymixin		(C) Yeast	 Production of biogas 	
52.	Yeast differs from Rhizopus in being		(D) Myxomycetes	– The disease ring	
	(A) Multicellular and coenocytic			worm	
	(B) Unicellular and uninucleate	59.	Mycorrhiza is a		
	(C) Unicellular and coenocytic		(A) Long thin root		
	(D) Filamentous		(B) Association of ro	ot and fungus	
53.	Pseudomycelium is formed in		(C) Root like underground stem		
	(A) Yeast (B) <i>Rhizophora</i>		(D) Parasitic root		
	(C) Aspergillus (D) Synchytrium				

Biological Classification

60.	The symbiotic associa	tion of fungi and algae	68.	68. Hydrophobia is caused by a			
	is called			(A) Bacterium	(B)Fungus		
	(A) Lichen	(B)Mycorrhiza		(C) Virus	(D)Protozoan		
	(C) Both (A) and (B)	(D)Mycoplasma	69.	Our crops suffe	er from many diseases.		
				Indicate the diseas	e caused by virus		
	Virus	es		(A) Potato mosaic			
61.	Helper virus is called			(B) Citrus canker			
	(A) Perfect phage of vi	rus		(C) Brown rot of p	ootato		
	(B) A defective phag	e which helps another		(D) Leaf spot of co	otton		
	defective phage		70.	Banana bunchy to	p is caused by		
	(C) A latent phage			(A) Mycoplasma	(B) Deutromycetes		
	(D) None of these			(C) Xanthomonas	(D)Virus		
62.	Who discovered interf	erons	71.	Rugose mosaic of	potato is caused by		
	(A) Issacs and Lindma	nn		(A) Potato virus–A	(B)Potato virus–Y		
	(B) Holmes and Knigh	t		(C) Potato virus–X	(D)(B) and (C) both		
	(C) Harshey and Chase	e	72.	From infected cells of interferon was			
	(D) Enders			invented			
63.	Absence of respirate	on is what type of		(A) Influenza viru	s (B) Rabies virus		
	character of a virus			(C) Polio virus	(D)None of the above		
	(A) Living	(B) Non-living					
	(C) Intermediate	(D) None of these					
64.	Which of the follow	ing may produce the	73.	• Which of the following is a viral disease			
	mutants			(A) Small pox or p	oolio		
	(A) Bacteria	(B) Virus		(B) Malaria			
	(C) Fungi	(D) All the above		(C) Diphtheria			
65.		ng is called "filterable		(D) Tuberculosis			
	agent"		74.	On the basis of	host attacked viruses are		
	(A) Bacteria	(B) Virus		classified into			
	(C) Fungi	(D)All the above		(A) Two types	(B) Three types		
66.	Gray matter of brain is	2		(C) Four types	(D)Five types		
	(A) Measel virus	(B) Varicella virus	75.	Potato leaf-roll dis	sease is caused by		
	C C	s (D)Encephalitis virus		(A) Mycoplasm a	(B) Virus		
67.	X-bodies are formed o	-		(C) Microspores	(D)Bacterium		
	(A) Bacteria	(B) Mycoplasma	76.	Cotton stenosis is	•		
	(C) Virus	(D)All the above		(A) Virus	(B) Mycoplasma		
				(C) Bacteria	(D)Fungi		

Biological Classification

					Bi	iological Classific	ation	
77.	Bacteriophage is made	e up of	85.	Number of capsomeres in a T ₄ phage is				
	(A) Carbon and nitrogen			(A) 2000		(B)1000		
	(B) DNA			(C) 2100		(D)2144		
	(C) Nucleoprotein (Nucleic acid + protein)		86.	Ultrastructure	of	bacteriophage-T	was	
	(D) Protein only			studied by				
78.	Which one is the	smallest among the		(A) R.L. Sinsheir	mer	(B)S. Brenner		
	following			(C) M. Schlesing	ger	(D)None of the a	lbove	
	(A) Bacteriophage	(B)TMV	87.	Tail of bacteriop	hage	is		
	(C) E. coli	(D)Neurospora		(A) 1000×200 Å	Å in si	ize		
79.	Which of the virus has	s tadpole like shape		(B) 1000 × 250 Å	Å in si	ize		
	(A) TMV	(B)DMV		(C) 1000×230 Å	Å in si	ize		
	(C) Human polio virus	(D)Bacteriophage		(D) 1000×300 Å	Å in si	ize		
80.	The spread of AIDS d	isease is promoted by	88.	Cyanophages atta	ack			
	(A) Homosexuality			(A) Cyanobacteri	ia	(B)Bacteria		
	(B) Immoral way of life	fe		(C) Fungi		(D)Lichens		
	(C) Use of infected	d needles in blood	89.	The water of Hol	ly Ga	nga, river is pure d	lue to	
	transfusion			the presence of				
	(D) All the above			(A) Cyanophages (B) Hydrophytes				
81.	The phage which doe	es not destroy the host		(C) Bacteria (D)Bacteriophages				
	cell but infects it, is ca	lled	90.	Satellite virus is a				
	(A) Cyanophage	(B)T ₂ phage		(A) Independent virus				
	(C) Virulent phage	(D) λ phage		(B) Associated with an activator virus				
82.	Which of the followin	g was used by Hershey		(C) Both (A) and (B)				
	and Chase to prove that	at DNA is the chemical		(D) None of these				
	basis of heredity		91.	A provirus is				
	(A)TMV			(A) Precursor of	a vira	l particle		
	(B) Cauliflower mosai	c virus		(B) Prolonged viral infection				
	(C) Dahlia mosaic viru	18		(C) A symbiotic	viral	nucleic acid withi	n the	
	(D) T ₂ bacteriophage			host genome				
83.	Genetic mapping of I	bacteriophage $\phi \times 174$		(D) A dormant viral protein				
	has been done by		92.	Sometimes when	n a vii	rus attacks a bacte	rium,	
	(A) Pirie and Bawden	(B)F. Sanger		neither the virus multiplies nor the bacterium			erium	
	(C) R.L. Sinsheimer	(D)Salk and Sabin		dies. This phenor	nenor	n is called as		
84.	Coliphage T ₂ has			(A) Adsorption		(B) Assimilation		
	(A) ssRNA	(B)ssDNA		(C) Lysogeny		(D)Viral stability	/	
	(C) dsRNA	(D)dsDNA						

Biological Classification 93. Which one of the following is the cause of Virus that infects bacteria is called 97. yellow fever (A) Bacteriophage (B)Cyanophage (A) Virus (B)Bacteria (C) Telophase (D)Prophase (C) Protozoa (D)None of these **98.** Interferon is 94. Which of the following is a pandemic disease (A) Bacteria (B)Anti-Viral (A) Amoebic dysentry (B) Hepatitis (C) Anti-algal (D)Anti-bacterial (C) Filariasis (D)Influenza **99.** Influenza is caused by **95.** M_{12} phage is (A) Bacterium (B) Virus (A) Avirulent (B) Intermediate (C) Fungus (D)Cyanobacterium (C) Virulent (D)None of these 100. Interferons are produced in response to **96.** The genetic material of $\phi \times 174$ is (A) Virus (B) Bacteria (C) Helminthes (D) Malarial parasite (A) ss DNA (B)ds DNA (C) ss RNA (D)ds RNA