S.S.R. DEGREE COLLEGE, (AUTONOMOUS) NIZAMABAD (C.C:5029) I SEMESTER INTERNAL ASSESSMENT I EXAMINATIONS BOTANY QUESTION BANK

I. Mu	ltiple Choice Ques	tions					
1.	Which of this bacteria is resistant to pencillin as it lacks a cell wall?					С)
	a) Spirochaetes		b) Cyanobacteria				
	c) Mycoplasma		d) Bdellovibrios				
2.	What is a cluster of polar flagella called					D)
	a) Petritrichous		b) Monotrichous				
	c) Amphitrichous		d) Kophotrichous				
3.	Which microorganisms among the following perform photosynthesis by uti						ght
					(С)
	a) Cyanobacteria, fungi, and viruses		b) Viruses				
	c) Cyanobacteria		d) Fungi				
4.	The respiratiory chain of bacteria is associated with the					A)
	a) Cytoplasmic membrane		b) Cell wall				
	c) Cytoplasm	d) Mitochondrial m	embrane				
5.	What does a viral DNA becomes after being associated with the bacterial ch						me
					(С)
	a) Plasmid	b) Plaque	c) Provirus	d) Gene			
6.	The protein coat	The protein coat of viruses that encloses the genetic material is called)
	a) Vision	b) Capsid	c) Peploners	d) Capsome	ers		
7.	Which of the following is the genome of the virus					С)
	a) DNA b) RNA		c) DN	IA (or) RNA	d)	DN	IA and
	RNA						
8.	Which of the following is the largest virus					A)
	a) Megavirus	b) Arbo virus	c) Herpesvirus	d) M	ump	s vi	rus
9.	The viral envelope is made up of					D)
	a) Proteins	b) Glycoproteins	c) Lipids and prote	ind) All the ab	ove		
10). Which of the follo	wing is a helical virus			(A)
	a) TMV	b) T ₄ phage	c) Poxvirus	d) Herpes v	irus		
11	l. Bacteriophages tl	nat induce bacterial ce	ll lysis are called		(С)
	a) Viroids	b) Lysogemic phag	ges c) Virulent phages	d) Tempera	te pł	ıges	3

12. The spike- like pro	jections on the viral c	apsid a	ne known as		(C)
a) Viriod	b) Proteomes	c) Pe	plomers	d) Cap	someres		
13. Who is the father of	of virology				(A)
a) Martinus Beijeri	inck		b) Omitri Iva	anosky			
c) Omitri Ivanosky		d) Ma	artinus Beijeri	nk			
14. Who is discovered	viruses				(С)
a) John ellerman		b) Fr	ederick twort				
c) Omitri Ivanosky		d) Ma	artinus Beijeri	nk			
15. Viruses outside the	eir host cells sutvive a	ıs			(A)
a) Virions	b) algar	c) Pro	otocoa	d) Bac	cteria		
16. Which of the follow	wing virus effects the	liver			(С)
a) HSV	b) EBV	c) HP	V	d) HIV	7		
17. The cocci which m	ostly occurs in single	(or) pai	rs are		(В)
a) Streptococci	b) Diplococ	ci	c) Tetracocc	i	d) None	of th	ese
18. The common word	d for bacteria which a	re strai	ght rod in shap	oe is	(В)
a) Cocci	b) Bacilli	c) Sp	irilla	d) Ple	onorphic		
19. A single polar flage	ella is known as				(A)
a) Monotrichous	b) Lophotrichous	c) An	nphitrichous	d) No	ne of these	,	
20. In eukaryotic cells,	ribosomes are				(С)
a) 70s	b) 60s	c) 80	С	d) Not	t specific		
21. Hetenocysts are fo	ound in				(A)
a) Nostoc	b) Cystopus	c) Vlo	othrix	d) Asp	ergillus		
22. What is the storage	e product of most of t	the alga	e		(С)
a) Cellulose	b) Glycogen	c) Sta	rch and Oil	d) Fat			
23. Red colour of the r	ed algae is due to				(D)
a) Y- Phycocyanin	b) X an aophyll		c) Carotene		d) Y-phy	coer	ythrin
24. Cyanobacteria nan	ne has been given to				(В)
a) Mycoplasma	b) Myxophy	ceac	c) Myxomyc	etes	d) Schizo	myc	etes
25. Parasitic algae is					(A)
a) Cephaleuros	b) Ulohrix		c) Spirogyra		d) Chlam	ydo	monas
26. Agar – Agar is obta	ined form				(A)
a) Gelidiumb	b) Polysiphonia	c) Fu	cus	d) Lar	ninaria		

27. Which of the most primitive group of algae

a) Blue green algae
b) Red algae
c) Brown algae
d) Green algae

II. FILL IN THE BLANKS

- 1. Glycolysis can occursin aerobic & anacrobic
- 2. Cryptococcosis is a disease of **Mycotic infection**
- 3. Crysolaminarin is the reserved food of **Xanthophycophyta**
- 4. Vaccination was invented by **Jenner**
- 5. A fully formed infectious viral particles is called **<u>virion</u>**
- 6. The shape of the TMV is **Rod shaped**
- 7. Viruses that attack bacteria are called **Bacterio phages**
- 8. The reproduction of algac occurs by vegetative, sexual, Asexual
- 9. Simplest type of reproduction in plants is found in **chlamydomonas**
- 10. The **thallus** is the vegetative body of algac
- 11. Plants which ane not diffentiated into roots, stem, and leaves ane grouped under

Thallophytes

- 12. Origin and evolution of sex in algac is best seen in **Green algac**
- 13. Zygotic meiosis is a characteristic feature of **Algac**
- 14. Food is storage in pheophyceae **Starch**
- 15. Cell wall of diatoms are impregnated with **Silica**
- 16. The algac found in still fresh water is **Spirogyra**
- 17. RNA is present in most of the plant viruses **SSRNA**
- 18. The most common capsid shape of the virus **Icosahedron**
- 19. The bacterium staphylococcus aureus is which type of bacteria **Mesophile**
- 20. Which is a pathogenic algac of or human **prototheca**
- 21. Cellulose is degraded to cellobiose by the enzyme **Cellulase**
- 22. Bacterial cell grown on hydrocarbon wastes from the petroleum industry are a source of

Proteins

- 23. Acridine orange is which type of mutagen **Intercalating agents**
- 24. Lipopolysaccharide in cell wall is characteristic of **Gram negative bacteria**
- 25. The principal microorganism for yogurt is **Streptococcus thermophilus**

III. Descriptive Questions

- 1. Write about asexual and sexual reproduction of bacteria?
- 2. Explain about the batteria cell structure
- 3. Write the replication of viruses
- 4. Write about the plant viral diseases and transmission
- 5. Explain reproduction in polysiphonia
- 6. Describe the sexual reproduction of chara
- $7. \ \ Explain about the \ cyanobacteria \ general \ characters \ and \ cell \ structure.$