Higher Secondary Second Year

Micro Biology

Model Question Paper – 1

Tin	ne : 2.30Hrs		Marks: 70				
		uitable answer fr	om the given four altern	$15 \times 1 = 15$ atives and write the option code and			
1	corresponding ans		on developed by				
1	The system of antiseptic surger						
	a. John Tyndall		Joseph Listen				
	c. Louispasteur		d. Robert Koch				
2	Fluorescent microscope is used in medical microbiology to observe pathogens such as						
	a. Treponema pallidum		b. Mycobacterium tuberculosis				
	c. Staphylo coccus aureus		d. E coil				
3	Air-borne infections are transmitted mainly by						
	a. areosols from person to person						
	b. inhaling spores or hyphae fragment from oil						
	c. drinking contaminated water						
	d. objeccts such as handkerciefs that are containated with respiratory secretions						
4	Which of the following biofertilizers is most suitable for paddy crop!						
	a. Rhizobium		b. Acetobacten				
	c. Azoto bacterial		d. Azolla				
5	Hyaluronidare is an enzyme which acts on						
	a. cell surface		b.inter cellular cement substance				
	c. cyteplasm		d. nucleic acid				
6	Rice – walis stool is the symptom of						
	a. amuebic dysentery		b.bacillary dysentery				
	c. cholera		d. Tetanus				
7	are cell wals less		bacteria				
	a.shigella b.	clostridium	c. mycoplasma	d.vibrio			
8	L.donovani was first discovered in the year						
	a.1914 b.	1903	c.1920	d.1803			
9	Which bacteria ap	pear cluslers					

	a. staphylococci		b.sterpto co	b.sterpto cocci				
	c. both a and b		d. none of t	hese				
10	candida stains							
	a. Gram positive		b. Gram ne	b. Gram negative				
	c. Gram variable		d. Acid F a	d. Acid F art				
11	Brucellosis is a		liseare					
	a. Sexual transmitted		b. Zoonific	b. Zoonific				
	c. Central nerves disease		d. Gastro ir	d. Gastro intestinal disease				
12	Thymus is located in which parts of the body							
	a. Respiratory tract		b. Thoracic	b. Thoracic cavity				
	c. abdomen		d. Intestina	d. Intestinal tract				
13	Which antibody is raised during allergic responses							
	a.IgA	b.IgM	c. IgG	d.IgE				
14	64 codons are called a							
	a.Stop codom	top codom b.sense codons						
	c.genetic code d. all the above							
15	Which of the following is involved in pyrimidine dimer repain							
	a.mismatch repain b. Phot		hoto reactivatio	to reactivation				
	c. Excision repain	d. A	Il the above	he above				
		Sect	tion – II					
	Answer any six quest	$6 \times 2 = 12$						
	Question No 16 is con							
16	Define fermentation. Give example.							
17	What is meant by Aerosol?							
18	Define partial clearing heamolysis.							
19	Define cycsticercosis							
20	Write about the Delta Agent							
21	Draw the structure of bilobed lymphotic organ and label the parts							
22	What are the clinical manifestation of phanyngeal diphtheria							
23	List out the fluorochromes used in immunoglobulins							
24	Write any four important products produced from animals cell cultures							

No. 32 is compulsory

- 25 Write about a short note on Eutrophication
- 26 Define Biofertilizer with example and write their Role.
- 27 What are the infections due to salmonella
- 28 Chaga's disease is which type of disease. Write the casetive agent and/their Epidemiology
- 29 Write the raw materials for penicillin production
- 30 What is antiseptic agent? Give example.
- 31 What are the mode of transmission of HIV
- 32 Write about the short notes on circular DNA molecule with example.
- 33 Explain the structure of Ti plasmid

Section – IV

Answer the following questions

 $5 \times 5 = 25$

34 Define Glycolysis? Explain Embden-Meycerh pathway

(Or)

Describe the characteristic of curved shape bacteria and write the symptoms of cholerae

35 Write the composition of Biogas? Describe the production of Biogas.

(Or)

Explain the life cycle of Liver Flukes

36 Write a short notes on TEM

(Or)

Describe the laboratory diagnosis of lyme disease

37 Write the difference between immediate hypersensitivity and delayed hypersensitivity

(Or)

Describe the conjugation bacteria and write the siginificance.

38 Prevention and control measurment of c.tatani

(Or)

Explain the development of T cell.