Higher Secondary Second Year

Micro Biology

Model Question Paper – 2

Tim	e : 2.30Hrs		Marks: 70		
	Answer all the questions		15 x 1 =15		
	Choose the most suitable answ	ver from the given four alternatives and write the option co	ode and		
	corresponding answer				
1	Which of the following is quaternary ammonium salt-310				
	a. Copper Sulphate	b. Silver nitrate			
	c. Cetrimide	d. Ferricchloride			
2	Write the correct pain				
	a. Dark field microscope	a) UV			
	b. Cone of light	b) Electron microscope			
	c. Fluorescent microscope	c) Phase contrast microscope			
	d. Knoll and Ruska	d) Treponema pallidum			
	a) a-b b-c c-d d-a				
	b) a-d b-c c-a d-b				
	c) a-d b-c c-b d-a				
	d) a-a b-d c-b d-c				
3	Primary treatment of sewage removes which percent of BoD				
	a. 5-10 b. 15-20	c. 20-25 d. 30-40			
4	Bacillus thuringiensis is a				
	a. Biofertilizer	b. Biopesticide			
	c. Biosurfactant	d. All the above			
5	Necrotizing fasitis is caused by which of the following				
	a.Staph aureus	b.Str pyogeres			
	c. C.diphteriae	d. Clostridium tetani			
6	Which statement is correct				

c. Vibrios are gram positive curved rods

a. Clostridium botulinum is an aerobic gram positive

b.Shigella are gram negative non motile bacilli

d.Chlamydiae are gram positive bacteria

/	Azone of complete clearing	of blood are	ound the colonies is called			
	a.Alpha haemolysis	b. Bet l	haemolysis			
	c. Gamma haemolysis	d. All t	he above			
8	Droplet nucler are significant in the transmission of the disease of					
	a. Digestive System	b.Nerv	ous System			
	c. Reproductive System d.Resp		iratory System			
9	Genital herper is caused by					
	a. HIV-1		b. HSV-1			
	c. HSV-2		d. HIV-2			
10	The head of tape worm is otherwise called					
	a. Scolex		b. Proglottid			
	c. Brain		d. All the above			
11	Infection in pregnant animals leads to abortion due to					
	a. Hearper Viruses		b. Brucella			
	c. Borrelia		d. All the above			
12	For labelling antibody for immunofluoresence test which of the following used					
	a. Fluorescein		b. Fluorescene I sothiocyanate			
	c. Fluoresence carbamide		d. All the above			
13	Haemolytic disease of the new born is					
	a.Rheumatic fever		b.Potential fatal disease			
	c. Thrombocytopenic purpura		d.Hemolytic anemia			
14	How many amino acid present in protein					
	a.15 aminoacid b.20	0 aminoacid	l			
	c.30 aminoacid d. 1	0 aminoacio	d			
15	The restriction enzymes was discovered by					
	a.Wener Arber and Hamilton smith					
	b. Herbert Boyer					
	c. Edward L.tantum					
	d. All the above					
		Section	n – II			
	Answer any six questions			$6 \times 2 = 12$		
	Question No 16 is compulso	ory				
16	Write the causative agent of	pebrin dise	ase of silkworm and causative agent of 'wool so	rters diseas		

17 What is meant by composting and write the methods of composting

18 What are the four species of genus shigella? On what basis they are divided 19 Draw a ultra structure of promastigole and label the parts 20 Define fluorescence 21 State the siginificane of Transduction 22 List the vectors of lyme disease. 23 What is Glomerulonephritis 24 What are the tetanus spores found Section – III Answer any six questions. $6 \times 3 = 18$ Qn. No. 32 is compulsory 25 Write about Enzyme regulation by feedback inhibition. 26 Write the uses of Biogas. 27 What are the types of HSV 28 Draw a flow chart of multiplication of chlamydia 29 Compare the characteristics of live and killed vaccines 30 What are the 4 types of alternation which can nucleotide sequence of DNA. 31 Describe vibrios Where is candida albicans present in the body? When does it cause an infection 33 List out important organic acid Section - IV Answer the following questions $5 \times 5 = 25$ 34 Explain TCA cycle (Or) List the toxins and enzymes produced by s.aureus and explain their action 35 Describe the industrial process involved in wine production (Or) Write the difference between Eumycelis and Acrinomycele's 36 Write about a short notes on scanning Electron microscope (Or) Describe the laboratory diagnosis of mycoplasma 37 Write short notes on Hepatitis A Virus (Or) Describe the characteristics of BCG vaccine

38 Draw a flow chart of basic procedure for tissue culture and sub culture maintenance (Or)

Describe the structure of light-chain of immunoglobulin molecule.