QP Code: 77019

			(2½ Hours)	[Total Marks :75
В. :	(2)	All questions carry	equal marks.	
(a)		an example of any Types of intern	one of the following:-	1
(b)	Expl (i) (ii)		_	2
(c)	(i) (ii) (iii)	Microtubule poly Role of Actin b Structure and f	ymerisation and the phenomenon of inding proteins in Microfilamen function of motor protein myosing the state of the state of the phenomenon of the phenomen	t dynamics.
(a)	(i) (ii) (iii) (iv) (v)	Connexon Microvilli Channels Desaturases Symporter		3
(b)	(i) (ii) (iii)	Outline the ways What are adher Explain the cla relationship to	s in which substances move passivens junctions? Elaborate on its assification of membrane prote the lipid bilayer	functions. eins on the basis of
	(a) (b) (c)	(2) (3) (a) Give (i) (ii) (b) Expl (i) (ii) (iii) (iii) (iv) (a) Defi (ii) (iii) (iv) (v) (vi) (b) Ans (i) (iii)	(2) All questions carry (3) Draw a neat labelled (3) Draw a neat labelled (4) Types of interm (ii) Durg affecting (5) Durg affecting (6) Explain any one of the form (i) Anterograde mode (ii) Microfilament (c) Give an account of any (i) Microtubule poly (ii) Role of Actin both (iii) Structure and form (iv) Structure and form (iv) Structure and continuous (iv) Microvilli (iv) Channels (iv) Desaturases (v) Symporter (vi) Facilitated difference (ii) Outline the way (iii) What are adherence (iv) Explain the clarelationship to	B.: (1) All questions are compulsory (2) All questions carry equal marks. (3) Draw a neat labelled diagram wherever necessary. (a) Give an example of any one of the following:- (i) Types of intermediate filament (ii) Durg affecting microtubule (b) Explain any one of the following:- (i) Anterograde movement (ii) Microfilament (c) Give an account of any two of the following:- (i) Microtubule polymerisation and the phenomenon of the following:- (ii) Role of Actin binding proteins in Microfilament (iii) Structure and function of motor protein myosin (iv) Structure and composition of Intermediate filar (a) Define any three of the following:- (i) Connexon (ii) Microvilli (iii) Channels (iv) Desaturases (v) Symporter (vi) Facilitated diffusion (b) Answer any two of the following:- (i) Outline the ways in which substances move passiv (ii) What are adherens junctions? Elaborate on its (iii) Explain the classification of membrane protein relationship to the lipid bilayer

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3.	(a)	Do as d	lirected. Attempt any three:-	3
		(i)	Name one selective media for S. typhi.	
		(ii)	Name the causative agent of Tinea versicolor.	
		(iii)	Fill in the blank. HIV contains two identical copies of genome.	
		(iv)	Define Exoerythrocytic schizogony.	
		(v)	Give significance of PPD.	
		(vi)	Write True or False- Fibrinolysin that can dissolve fibrin clots is	
			produced by S.aureus.	
	(b)	Attemp	t any two of the following:-	12
	` ,	(i)	Give an account of the strains of <i>E.coli</i> that can cause gastroenteritis.	
		(ii)	Explain the lab diagnosis of enteric fever.	
		(iii)	Elaborate on the types of ringworm infections.	
		(iv)	Explain the treatment, prevention and control of HIV.	
4.	(a)	gnificance of any three of the following:-	3	
	` `	(i)	Protomers	
		(ii)	Envelope of a virus	
		(iii)	Tail fibres of bacteriophage	
		(iv)	Late mRNA	
		(v)	Haemagglutination assay	
		(vi)	Prions	
	(b)	Discuss	s any two of the following:-	12
		(i)	Lysogeny in lambda phage	
		(ii)	Classification of viruses	
		(iii)	Cytocidal infections and cell damage	
		(iv)	Modes of entry of enveloped and naked virus into animal cell	
5.	Wri	te short i	note on any three of the following:-	15
		(i)	MDR-TB	
		(ii)	Clinical diseases caused by S.aureus	
		(iii)	One step growth experiment	
		(iv)	Viral enumeration	
		(v)	Dyneins as a transport protein	
		(vi)	Hyaluronic acid	