Subject. Biotechnology por (95)
Cell Biology. and Medical Biotechnology (Rev)
(R-2016)17

QP Code: 77020

		(2½ Hours) [Total	Marks:75
N.B. :	(2)	All questions are compulsory All questions carry equal marks. Draw a neat labelled diagram wherever necessary. e an example of any one of the following Microtubule associated protien Actin sequestering protein lain any one of the following:- Axonal transport Protofilament	2/0/19/2016
1. (a)	Give (i) (ii)	Microtubule associated protien Actin sequestering protein	1
(b)	Expl (i) (ii)	lain any one of the following:- Axonal transport Protofilament an account of any two of the following:- Role of microtubules in mitosis.	2
(c)	Give (i) (ii) (iii) (iv)	Drugs affecting the dynamics of cytoskeletal structures Assembly and disassembly of intermediate filaments Importance of Sliding filament model in muscle contractility	12
2. (a) I	Defin	e any three of the following:-	
2. (0)	(i) (ii) (iii)	Aquaporins Permeability Glycocalyx	3
	(iv) (v) (vi)	Microvilli Amphipathic molecule Sphingolipids	
(b)	Answ	wer any two of the following Give functions of cell coat.	12
	(i) (ii) (iii) (iv)	Explain the structural organisation of a gap junction. Using a suitable example explain active transport in cells. Elaborate on membrane fluidity and its importance to cell.	
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			(3)
	3. (a) Do as directed (Attempt any three):-		1291
	3. (a) Do as directed (Attempt any three). (i) Name one selective media for S. aureus. (i) Name one selective media for Black Piedra.		0,
		responsib	ole
	(ii) Name the causative agent of E. coli produces shigh toxing	7,1	
	(iii) Fill in the blank for diarrhoea.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
	20. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	'A'	, indi
	` ' - of DOIS - dominate	mosquito	
	(v) Give significance of Dove	4.8	
	(vi) State True or Paise- Delimination	V	12
	(b) Attempt any two of the following:-		
	TYTE 4 and CHITATIBUUS INVOCUO. — A		
	(i) What are cutaneous mycoses? Explain and (ii) Elaborate on the clinical methods of detecting TB. (iii) Explain treatment, prevention and control of S. aureus (iii) Explain treatment of S. typhi.	infection	ıs.
	(ii) Elaborate on the chimed and control of S. aureus		
	(iii) Explain treatment, proventions (iv) Describe the pathogenicity of S. typhi.		
			:
	4. (a) Give significance of any three of the following:-		
	William Congress		
	(ii) Plaque assay (iii) Capsid		
	o stop growth experiment		
	(iv) One step growth of (v) Early mRNA		
	a and me		
			1
	(b) Discuss any two of the following.		_
		1-1	
•	a de de rivine puritication		
,	TA phage		
	f an animal VIIIIS		
	(iv) Reproduction of all allillar virus		
	three of the following.		
	5. Write short notes on any three of the following.		100
	(1) Charleture Of HIV		
	Treatment and lab diagnosis of illataria		71
	(iii) Baltimore classification of viruses		
	(iv) Viruses and cancer Proteins associated with intracellular transport		
	1 1		
	(VI) FIOLEOGIJOMINE		
	(vi) Proteoglycans		
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