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B.Se. (Part-1) Semester-II Examination

2S-ZOOLOGY

(Cell and Developmental Biology)

Time : Three Hours]			[Maximum Marks : 80		
Note :-	(1) ALI	questions are compulsory.			
	(2) Que	stion No. 1 carries 8 marks	and rema	aining six questions earry 12 marks each.	
	(3) Illus	trate your answers with suita	able diag	grams wherever necessary.	
1. (A)) Fill in the blanks :				
	(i) The prokaryotic ribosomes are				
	(ii) Lysosomes are also called as bags.				
	(iii) Divi	sion of cytoplasm is know			
	(iv) Lam	pbrush chromosomes occu	2		
(B)	(B) Choose correct alternative from the following:				
	(iii) Division of cytoplasm is known as (iv) Lampbrush chromosomes occurs in Choose correct alternative from the following: (v) Ingestion of liquid particles by a cell is called as: (a) Phagocytosis (b) Pinocytosis (c) Lysis (d) None of the above (vi) Who discovered ribosome in animal cells? (a) Watson (b) Tatum (c) Cowdy (d) Palade (vii) The tip of a chromosome is called:				
	(a)	Phagocytosis	(b)	Pinocytosis	
	(c)	Lysis	(d)	None of the above	
	(vi) Who discovered ribosome in animal cells ?				
	(a)	Watson	(b)	Tatum	
	(c)	Cowdy	(d)	Palade	
	(vii) The tip of a chromosome is called				
	(a)	Metamere	(b)	Chromomere	
	(c)	Micromere	(d)	Telomere	
	(viii) In adult which cell is used as stem cells ?				
	(a)	Bone marrow cells	(b)	Embryonic cell	
	(c)	Muscle cell	(d)	None of the above 2	
(C)	Answer in one sentence :				
	(ix) What is cell division?				
	(x) Who	discovered lysosome ?			
	(xi) Wha	nt is spermatogenesis?			
	(xii) Who	discovered Cell ?		4	



Give an account of cleavage and blastulation in frog. Attempt the following: (s) Uses of stem cells. Significance of parthenogenesis. (u) Choriovitelline placenta. OR (v) Types of stem cells. (w) Functions of placenta. (x) Type of parthenogenesis.

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