HSM HALF YEARLY EXAMINATION - 2017									
11 - STD BIOLOGY									
	Fime : 2.30) hrs.	BIO - BOTANY PART - I		Marks : 70				
1		- 1	1X8=8						
1	. The bar a) genu	sic unit of classific							
2		ective nature of vir	b) species	c) family	d) taxon				
	a) prote	in coat	b) nucleic acid	c) envelope	d) tail fibres				
3.	The ext	ra - chromosoma	DNA found in the	bacterium E.coli is	called				
4.	a) meso Phagoc	osome ytosis is also kno	b) nucleoid	c) incipient nucle	en d) plasm	id			
	a) cell ea	ating	b) cell death	c) cell drinking	d) cell lysis				
5.	Dorsteni	a an example for		c) cen drinking	u) cen iysis				
6.	a) racem	belongs to	b) panicle	c) spadix	d) coenanthiu	m -			
0.	a) Drupe	-	b) Syconus	c) Baccate	atagang (b				
7.				ratus was studied b	d) Aggregate				
			b) Bateson & Pu		c) Sctton & E	Boveri			
		idon & Schwann							
8.	The theo	ory explaining pas	sive absorption	of mineral salt is		•			
	a) lon ex	-		b) carrier conce					
	c) cytocr	nrome pump theo	PART	d) none of the a	loove				
	Answer	any four question				4 X 2 = 8			
9.	What are								
10.	What is r	What is middle lamella?							
11.	What are	monoecious pla	ints?						
12.									
13.	Why is intermediate dominance also called blending inheritance?								
14.	What is w	What is water potential? PART - III							
		any three quest		- III is Compulsory qu	(estion)	3 X 3 = 9			
15				is compaisory qu	restion,	ene e.			
15.		Discuss the role of bacteria in soil fertility. Draw the structure of prokaryotic cell.							
16. 17.									
18.		Differentiate phyllode / phylloclade.							
10.	Explain the hydrophonics. Give an account of the postulates of the chromosome theory of inheritance.								
19.	Give all a	coount of the po							
	PART - IV								
		ne following qu				2 X 5 = 10			
20.									
	Explain : Potato osmoscope - experiment.								
21.	Explain inheritance of fruit colour in cucurbita pepo. (OR)								
	Give an account of different types of aestivation with example:								
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BIO - ZOOLOGY PART - A

T.V.MALAS - DIST

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PART - A									
	Answer all the questio	8	X1=8						
	1. The smallest vertebrates								
	a) amphioxus	b) phillipine goby	c) balanoglossu	s d) lepisma	The market				
2. In the cytological technique, embedding material is cut into thin sections by an instrument									
	a) electrophoresis	0			· Standard Har				
3	3. The ribosomes are mea	(b) microtome	c) knife	d) edge cutter					
	a) phsphorylation	b protein synthes	is c) respiration	d) ovidation					
4			is c) respiration	d) oxidation					
	(a) nerves and muscles	b) nerve tissue	c) capillaries	d) organs					
5	-	es of brain communi	cates through	, organo					
	a) foramen of manro	By sylvius canal		uses d) expendyr	nal cell				
6	X/A ratio of super male is	6							
	a) 1.5	b) 0.67	c) 0.5	0.33					
7.	Egg of sea urchin belong	-							
	a) oligo lecithal	(b) micro lecithal	c) macro lecith	al d) A lecithal					
8.	The predatory insects an								
	(a) entomophagous			d) pests					
		PART -	В						
	Answer any four of the following.								
9.	What is a Ookinete? 32	What is a Ookinete? 32							
10.	Write the cancer caused by @ BRCAI and Rb genes. 71								
11.	What is Coxa? 87	What is Coxa? 87							
12.	Write the Zonation of Adr	Write the Zonation of Adrenal Cortex? 116							
13.	What is Arrhenotoky?13	What is Arrhenotoky?131							
14.	What is Bee wax? 158								
		PART -	С						
Write any three of the following including question No. 17 which is compulsory.									
15.	What is autolysis? 66				3 X 3 = 9				
16.		Write about the endocrine part of Pancreas? [17]							
17.		Write about haemolytic Anaemia? [3.3							
18.	Write the laws of cleavag	6.114							
19.	What is Atoll? 155								
PART - D									
	Answer all the question				$2 \times 5 = 10$				
20.	Describe plasma membra	ane? (OR) 60							
Provide the structure of Nephron with diagram. 118									
24	Give an account of ABO b								
21.			131						
	Explain Gametogenesis.	143							
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