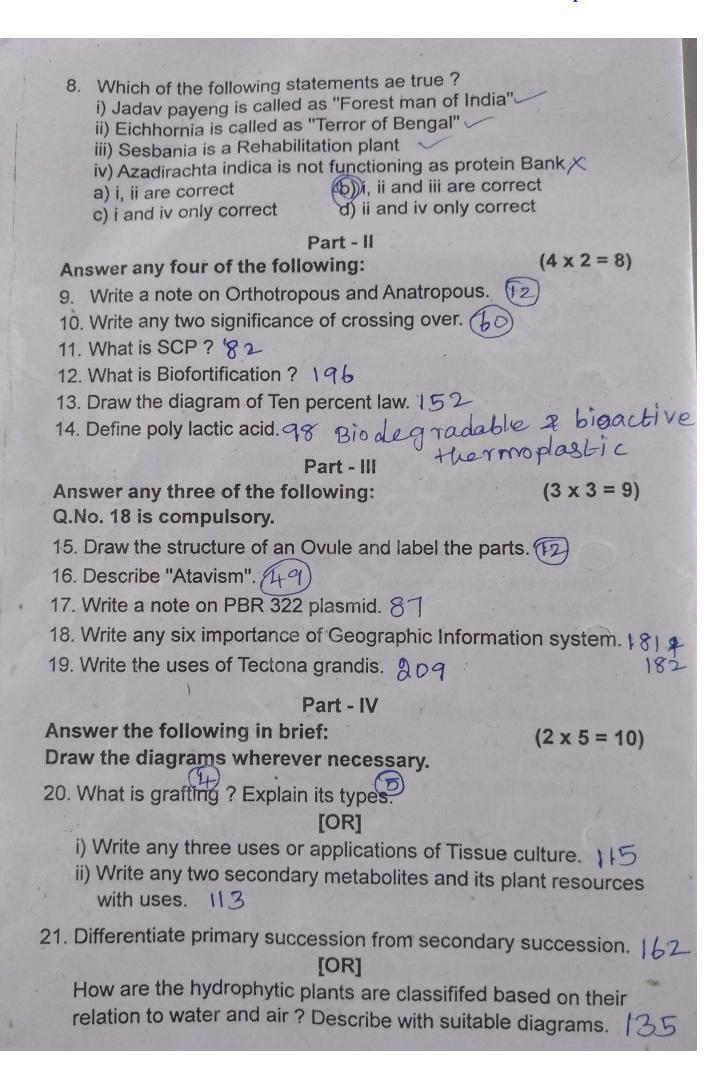
	Half Yearly	Fxam	ination	- 2019	
		7		Marks: 70	
	ass: 12			Time: 3 Hrs.	
Sı	ubject : Biology	Bio-B	otany	[35 Marks]	
		Part -			
Aı	nswer all the questio	ns:		$(8 \times 1 = 8)$	
CI	poose the correct ar	iswer:	=:io foi		
	In which of the follow		CICCOCIO		
2.	/	2011000 001	disease in ma	ound in Ti plasmid.	
	a) Assertion is wrigh	t : Reason	is wrong		
	AnAssertion and Rea	ason are wi	right		
1	Assertion is wrong	g; Reason	is wright		
	d) Assertion and Rea	ason are wi	rong		
3. Which one of the following is a correct Ecological hierarchy? a) Individual organism→Community→Ecosystm→Population					
	a) Individual organis	m→Comm	unity—Ecosy	Sim-Population	
	b) Community→Pop c) Ecosystm→→Indi	vidual orga	nism Ponul	lation→Community	
	(d) Individual organis	vidual orga m→Popula	tion→Comm	unitv→Ecosystm	
	Select the correct				
4.	a) March 21	- World oz	zone dav		
	(D) May 22		odiversity da	y	
	c) July 07		nostar day		
	d) April 22	- Earth da	y		
5.	Match the followin	q:			
	i) Lichens		amia pinnata	11	
	ii) Green manure				
	iii) Acalypha indica	-c) Sulph	ur di oxide il	ndicator	
	iv) "King of Bitters"	- d) Cures	s bed soes	iii	
	@i-c; ii-a; iii-d;	iv-b b) i - a; ii-d	; iii-b; iv-c	
	c) i - c; ii-b; iii-d;			/_	
6.	The active principle present in	medicine t	transtetra hy	dro cannabial is	HC)
	a) Opium b) Cu	ırcuma	Marijuar	na d) Andrograph	is
7.	Virus free plants are	e produced	through		
	a) Organ cultue	(t	Meristem	culture	
	c) Protoplast culture	9	d) Cell suspe	ension culture	



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SRI VENKATESWARA MATRIC
                                             BIO - ZOOLOGY
                                                                   PREPARED BY:
                                                                                            Marks: 3!
HR. SEC. SCHOOL
                                              SECTION - I
                                                                   PADMA PRIVA.S
          Note: Answer all the questions, choose the correct.
                                                                                              8 X 1 = {
          Technique used for cultivation of sponges is based on
          a) multiple fission
                                  b) parthenogenesis er regeneration
                                                                              d) autogamy
     2.
          The ruptured Graafian follicle forms
                                                                             d corpus luteum
          a) primary follicle
                                  b) Oogonia
                                                       c) corpus albicans
     3.
          Y chromosome was discovered by .....
         a) Stevens
                                 b) Landsteiner
                                                       c) Henking
                                                                              d) Wiener
     4.
          Founder's effect is related to
         (a) genetic drift
                                  b) gene mutation
                                                                              d) artificial selection
                                                       c) extinction
          The first synthetic vaccine produced was ......
     5.
          a) LIPT
                                  b) HbsAg
                                                       c) Measles
                                                                              d) polio
          Competition between species leads to
     6.
          a) Amensalism
                                  b) Mutation
                                                                              d) Extinction
     7.
          At present there are ...... tiger reserves in the country
          a) 9
                                  b) 32
                                                                              d) 26
     8.
          PCB is a major components of
          a) agrowaste
                                  b) e-waste
                                                       c) sewage
                                                                              d) plastics
                                                SECTION - II
          Note: Answer any four of the following questions. (Reser: Zoology
     9.
          What is colostrum?
                              Pq: 28
                                                      P9: 175
     10.
          Differentiate Totipotency and pleuripotency?
     11.
          Define Allen's law. pg: 191
     12.
          What are interferons? Write their functions. pg: 171
     13.
          Illustrate your answer "the Earth without Green house gases". Pg: 224 (32)
     14.
          Define - Red Date Book. pg: 225
                                               SECTION - III
          Note: Answer any three questions. Question No. 18 is compulsory.
                                                                                               3 X 3 =
     15. . What are Gemmules? P9:5
          What are the types of vaccines? Pg: 171
          Coagulation factor VIII deficiency leads to haemophilia. Suggest methods to cure the haemophilia.
     17.
          Enlist the steps involved in the cloning process of Dolly. pq: 180
     18.
          Tabulate the difference between Insitu and Exsitu conservation. pg: 229
     19.
                                                SECTION - IV
          Note: Answer all the questions.
                                                                                              2X5=
     20.
          a) Explain Menstrual cycle. (OR) P9 21
          b) What is Lac operon? Explain.
                                           P9: 89
     21.
          a) Write the difference between active and passive immunity. (OR) P3: 139
          b) Explain modern synthetic theory of Evolution. P3: 108
                                                                         12 BIOLOGY (EM)
                                                                                               PAGE
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