

Reg. no.:

Date: 04-12-2020

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27 B.Sc. ZOOLOGY - V SEMESTER SEMESTER EXAMINATION: NOVEMBER/DECEMBER 2020 ZO 5118- CELL BIOLOGY, MOLECULAR BIOLOGY AND IMMUNOLOGY

Time- 2 1/2 hrs

Max Marks-70

This paper contains 2 printed pages and four parts

Note: Draw neat labelled diagrams wherever necessary

Indicate the question numbers clearly.

PART A			
	the blanks: The presence of in the ce recognition.	ll membrane is essential for ce	7X1 = 7
3. 4. 5. 6.		not part of interphase. Watson and Crick. for methionine.	*
<u>Answe</u>	er the following:	RTB	4x2 = 8
 8. What are chromosomal aberrations? Name the two types. 9. Explain any two differences between Necrosis and Apoptosis. 10. If the percentage of Guanine is 23.5 in a double stranded DNA, what is the percentage of other three nitrogenous bases in the DNA? 11. Why is the pentose sugar in DNA called deoxyribose. 			
Answe	PAR er any FIVE of the following:	T C	5X5 = 25
14. 15. 16. 17.	. With a neat labelled diagram and list the fur Describe the structure of the polytene chror neat labelled diagram What is translocation? Briefly explain its typ Explain the regulation of apoptosis in Caent Draw and label t-RNA Draw the structure of IgG antibody Explain the semi-conservative model of DN	mosome in <i>Drosophila melano</i> pes. orhabditis elegans.	<i>gaster</i> with a