

Design of Question Paper
Class XI -Biology(044)
Annual Examination: 2021-22

1. Weightage to content /subject Units :

S. No.	Typology of Questions	VSA (1mark)	SA-I (2marks)	LA-I (3marks)	LA-II (5marks)	Total	% Weightage
1.	Demonstrate knowledge and Understanding	3	2	1	1	15	50%
2.	Application of Knowledge/ Concepts	-	2	1	1	12	30%
3.	Analyse, Evaluate and create	-	-	1	1	8	20%
Total		3x1=3	4x2=8	3x3=9	5x3=15	35(13)	100%

*Internal choice would be provided in one question of 2 marks, one question of 3 marks and one question of 5 marks.

Blue Print
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S.No.	Unit & Chapter	Topic	VSA (1mark)	SA-I (2marks)	SA-II (3marks)	LA-I (5marks)	Marks
1.	<u>Unit – II</u> <u>Structural Organisation in</u> <u>Animals & Plants</u> Structural organisation in Animals (Animals tissues) – (Ch-07)	Connective tissues	-	1	-	-	2 marks
2.	<u>Unit-III</u> <u>Cell Structure and</u> <u>Function</u> Cell Cycle and Cell Division (Ch-10) Cell: The unit of life (Ch-08) Bio molecules (Ch-09) Cell Cycle and Cell Division (Ch-10)	Significance of meiosis Endomembran e System Enzyme Action Meiosis I	1	1	1 1 (case based question)		9 marks

3.	<p>Unit IV <u>Plant Physiology</u></p> <p>Plant growth & Development (Ch-15)</p> <p>Photosynthesis in higher plants (Ch-13)</p> <p>Respiration in Plants (Ch-14)</p>	<p>Plant Growth regulators (Auxin/ Gibberellin)</p> <p>Photophosphorylation Cyclic/ Noncyclic</p> <p>Citric acid cycle(TCA)/ ETS(Electron Transport System)</p>	1		1 (Choice)	1 (Choice)	9marks
4.	<p>Unit V <u>Human Physiology</u></p> <p>Excretory products & Elimination (Ch-19)</p> <p>Breathing and exchange of gases (Ch-17)</p>	<p>Process of excretions Nitrogenous Waste (Ammonotelism/ Ureotelism/ Uricotelism)</p> <p>Respiratory Volume & Capacities</p>	1	1			

	Chemical co-ordination & integration (Ch-22)	Pituitary gland/ Adrenal gland		1 (Choice)			
	Body Fluids & Circulation (Ch-18)	Cardiac cycle				1	
	Neural control & coordination (Ch-21)	Generation & conduction of nerve impulse				1	15marks
Total			1x3 = 3marks	2x4 = 8marks	3x3 = 9marks	5x3 = 15marks	35marks