

Question Paper
BT : JAM 2023

Section A: Q.1 – Q.10 Carry ONE mark each.

Q.1	Which one of the following compounds inhibits the polymerization of tubulin to microtubules in animal cells?
(A)	ATP
(B)	Taxol
(C)	Thymosin
(D)	Vinblastine
Q.2	Arrange the following elements in increasing order of their electronegativity according to the Pauling scale C, Na, Be and Br
(A)	Be, Na, C, Br
(B)	Br, C, Na, Be
(C)	Na, Be, C, Br
(D)	Na, C, Be, Br

Q.3	Which one of the following is NOT a plant vascular tissue?
(A)	Phloem
(B)	Periderm
(C)	Stele
(D)	Xylem
Q.4	A growing shoot of a germinating seedling encounters an underground obstacle. Which one of the following hormones elicits 'triple response' to the underground obstacle?
(A)	Auxin
(B)	Cytokinin
(C)	Ethylene
(D)	Gibberellins

Q.5	Which one of the following pairs of antibodies contains 'J-chain' in their multimeric form?
(A)	IgA and IgE
(B)	IgA and IgM
(C)	IgD and IgE
(D)	IgD and IgG
Q.6	Restriction enzymes that recognize the same nucleotide sequence but cleave at different positions are called
(A)	heterohypekomers
(B)	isocaudomers
(C)	isoschizomers
(D)	neoschizomers

