

Q.No	Scoring Indicators	Splitted score	Total score
1	Thorn	1	1
2	Ori(Origin of replication)	1	1
3	a) Parthenogenesis b) Apomixis	1 1	2
4	a) Emasculation-Bagging-Cross polination-Re bagging	2	2
5	Gel electrophoresis - Ethidium bromide PCR - Molecular diagnosis Restriction endonuclease - EcoRI pBR 322 - Cloning vector	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
6	Endonuclease ----- Cut DNA at specific sites within the DNA Exonuclease ----- Remove nucleotide from the end of DNA	1 1	2
7	RNAi/RNA interference RNAi takes place in all eukaryotic organisms as a method of cellular defences. This method involves silencing of a specific mRNA due to a complementary dsRNA molecules that bind to and prevents translation of the mRNA	1 1	2
8	Study of normal physiology and development Study of disease Biological products Vaccine safety Chemical safety testing (Any four)	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
9	ADA deficiency Deletion of the gene for adenosine deaminase	1 1	2
10	Thick cuticle Sunken stomata/arranged in deep pits CAM pathway Leaves reduced to spines	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
11	Competition Mutualism/Symbiosis Commensalism Ammensalism	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2
12	Lichens Bryophytes Bigger plants Climax community / Forest	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2

