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### SECTION-B

- Q2. Discuss the somatic embryo genesis and its advantages.
- Q3. What are virus free plants?
- Q4. What are artificial seeds? What are their advantages?
- Q5. Write about the homozygous lines.
- Q6. How adventitious buds are induced?

### SECTION-C

- Q7. Describe large scale culture and the problems associated with large scale Culture of plant cells.
- Q8. Define Virus Indexing. How virus free stocks are maintained. Give their applications and limitations.
- Q9. What do you know about the following :
- a) Recovery of interspecific hybrids.
  - b) Analytical breeding and production of only male population.

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