

**P.S.SCIENCE & H.D.PATEL ARTS COLLEGE, KADI**  
**INTERNAL EXAMINATION**

18/09/2017      B.Sc. Sem - V      [Marks 40  
Biotechnology 503      [1.45 to 3.45

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**Q-1 Attempted all questions (10 marks)**

1. Name of two explants isolated from flower
2. Examples of PGR (any two)
3. Name of sterilization methods (any two)
4. Give examples of natural media
5. Examples of carbon source in culture media (any two)
6. Extend HEPA
7. How much sucrose use in 1000 ml. media
8. Types of callus
9. Father of plant tissue culture
10. Culture condition of callus culture

**Q-2 Attempted any four with 5 marks (20 marks)**

1. Explain plant tissue culture
2. Describe explants and isolation method
3. Explain composition of culture media
4. Describe sterilization and methods
5. Explain tissues of plant
6. Cellular totipotency

**Q-3 Attempted any one (10)**

1. Describe protoplast culture
2. Explain cell suspension culture

\*\*\*\* Best of Luck \*\*\*\*