

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

**Internal Examination**

**B.Sc. Semester 5**

**Marks: 40**

**Date:19/9/17**

**Biotechnology-504**

**Time: 2 hr**

**Applied Animal Tissue Culture**

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1. Answer All Question Each question carried 1 marks (10)
- 1) Define: Primary Culture
  - 2) Define: Generation Time
  - 3) Continuous cell line is
    - A) Transformed
    - B) Immortal
    - C) Tumorigenic
    - D) All Above
  - 4) Name any two body fluid use as natural Culture Media.
  - 5) Temperature should be maintained for preservation in Liquid Nitrogen is \_\_\_\_\_
    - A) -196 ° C
    - B) - 85° C
    - C) - 90 ° C
    - D) - 70° C
  - 6) Define: Subculture
  - 7) Expand: NHB 2-1
  - 8) Attenuated vaccine contain Dead microorganisms.  
(True/False)
  - 9) Define: Monoclonal Antibodies
  - 10) What is Transgene?

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2. Attempted any 4 questions. Each question carries 5 marks. (20)
- 1) Note on: Advantage and Limitations of animal tissue culture.
  - 2) Note on: Physicochemical properties of Animal culture Media
  - 3) Note on: Subculture and its types
  - 4) Note on: Microinjection method
  - 5) Note on: application of Monoclonal antibodies
  - 6) Detail Note on: Vaccination and Its types
3. Attempted any one questions. Each question carries 10 mark. (10)
- 1) What is Polyclonal Antibodies? Explain Hybridoma Technology
  - 2) Detail Note on : Primary Cell Culture