



**DRR-1689**  
**B. Sc. / M. Sc. (Int. Biotechnology)**  
**(Sem. VI) Examination**  
**April / May - 2016**  
**CORE-1 - 06 BT 22 : Animal Biotechnology**

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

(1)

<p>नीचे दशांशों में निशानों वाली विंगतों उत्तरवही पर अवश्य लिखनी। Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : ☛ <b>B. Sc. / M. Sc. (INT. BIOTECHNOLOGY) (SEM. 6)</b></p> <p>Name of the Subject : ☛ <b>CORE-1 - 06 BT 22 : ANIMAL BIOTECHNOLOGY</b></p> <p>☛ Subject Code No. : <b>1 6 8 9</b> ☛ Section No. (1, 2.....): <b>Nil</b></p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: 100%; text-align: center;"><p>Student's Signature</p></div>
---	--

- (2) Figures to the right indicate full marks.  
(3) Draw neat and labeled diagrams wherever necessary.

- 1 Answer in brief : (any **Four**) 8
- (a) What are disadvantages of animal tissue culture?
  - (b) Name two commercially available continuous cell lines.
  - (c) Define Transformed cell line.
  - (d) Enlist types of junctions between the cells.
  - (e) Mention only two criteria for sub culturing of cells.
- 2 Attempt : (any **two**) 14
- (a) Applications of animal biotechnology in various fields.
  - (b) Explain differentiation and its regulation in detail.
  - (c) Explain the steps of primary culture with suitable example.

- 3 Explain in Detail : (any two) 14**
- (a) Advantages and disadvantages of serum free media.
  - (b) Discuss criteria for subculture for cell lines and the technique of it.
  - (c) Explain preparation and sterilization of media in detail.
- 4 Attempt : (any two) 14**
- (a) Enlist the instruments used in animal tissue culture and discuss any one of them in detail.
  - (b) Discuss cell proliferation and control of cell proliferation in detail.
  - (c) What are the causes of cross contamination and how it can be avoided?
-