

End Semester Examinations - 2015-16 Even Semester - May 2016

14BT3020 Immunotechnology

Set B

Time : 3 hrs
Total Marks: 100

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1. a. Deduce suitable methods employed for isolating antibodies from the given serum sample 15marks
b. How will you characterize the antibodies given to you? 5 marks
- OR**
2. a. Critically analyze the production of MAb through hybridoma technology 15 marks
b. List any 2 commercially available Mab in the market with their applications and the companies manufacturing the same 5marks
3. a. What are abzymes? How are they produced? Comment on their application in Immunotechnology 15 marks
b. Comment on any 2 immunotoxins and their significance 5 marks
- OR**
4. a. Our Public Health Dept is struggling to preserve to store and distribute vaccines in remote areas of India . As an Immunotechnologist suggest long time solutions for this problem with case studies or examples 15 marks
b. Justify the use of plants as expression systems in Immunotechnology 5 marks
5. a. There is an outbreak of Hepatitis B in your residences . Which technique will you adopt to diagnose the intensity of the same . Justify your selection of the method 15marks
b. Write short note on the role of Secretory IgA 5marks
- OR**
6. a. There is an urgent need to produce Humanized antibodies against diabetics . Enumerate methods to produce the same 15 marks
b. Add a note on Chimeric antibodies 5marks
7. a. What is XLA ? How does it affect the immune system of the individuals affected by the same. 15 marks
b. Suggest solutions in order to help XLA patients 5 marks
- OR**
8. OR
What is Immunotargeting? How is it used in immunotherapy ? 20 marks
9. Analyze in detail various immunotechniques and technologies involved in the diagnosis and treatment of immunology related diseases 20 marks
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Wishing you All the Best