

Shahjalal University of Science and Technology
Biochemistry and Molecular Biology

BMB- 429

20 May 2015

Term Test- 1

Time- 60 min

Full Marks- 10

1. Answer the questions in one or two sentence:

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- a) What is c-Kit?
- b) What is the status of Ig gene after the pre B cell stage?
- c) Name the two signals that are crucial during T- cell activation stage.
- d) Write the basic difference between regular APC and professional APC.
- e) How Superantigens can activate a large amount T cells?
- f) What is the role of AIRE+ mTEC in thymic selection during development of T cell?
- g) Write the basis of negative selection in thymus during development of T cell.
- h) What is T dependent and T independent response of B cell?

2. Here is the image of the immune synapse of APC and T cell prior to activation. Fill up the blank spaces with appropriate component name and cell name:

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