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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST 1 EXAMINATIONS – Sep 2018

BTDD IX<sup>th</sup> Semester (Biotech)

COURSE CODE: 14B1WBT739

MAX. MARKS: 15

COURSE NAME: Stem Cells & Regenerative Medicines

COURSE CREDITS: 03

MAX. TIME: 1 HRS

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**Note:** All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Assume any missing data.

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1. What is the significance of plerixafor? [2Marks]
2. Explain the role of stromal cells in generating specific lineage type cells in pure population? [2Marks]
3. What are the different types of neural cells in CNS? [2Marks]
4. Interpret the expression of hESCs derived CD34+ cells. [2Marks]
5. What are stem cells? What are the different types of stem cells? [2Marks]
6. Write the detailed procedure for isolation and culture of mesenchymal stem cells from mouse bone marrow. [5Marks]