

FINAL EXAM  
DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

**HEMATOLOGY****PAPER – III**

HEMAT/D/15/48/III

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1.	Gene therapy in hemophilia.	10
2.	Micro RNA in hematological malignancies.	10
3.	Cord Blood Banking – Current status.	10
4.	Haplo identical hematopoietic stem cell transplantation.	10
5.	CART cells in management of hematological disorders.	10
6.	Next generation sequencing – concept and applications in hematology.	10
7.	Newer drugs in the treatment of multiple myeloma.	10
8.	Diagnosis and treatment of mixed phenotypic acute leukemia.	5+5
9.	Current status of granulocyte transfusion.	10
10.	Recent advances in the pathogenesis of hemolytic uremic syndrome.	10

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