

## www.FirstRanker.com NATIONAW WWW.FFIPSTRANKEF.1859n

## **NEONATOLOGY**

PAPER – I

Time : 3 hours NEONAT/D/17/19/I

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.	discuss physico-chemical and structural properties regulating drug transfer.	4+3+3
2.	Discuss the temperature regulation in a neonate. Write about the concept of therapeutic hypothermia. Does the literature support its use, please elaborate.	3+4+3
3.	Point of care testing devices in neonatal care.	10
4.	Enumerate Levels of Neonatal care and describe requirements for level III (Level 3) Neonatal care.	3+7
5.	Discuss future prospects of: a. Human Milk Banking b. Cord blood banking	5+5
6.	<ul><li>a. Informed consent in Research studies</li><li>b. Ethics in Research</li></ul>	5+5
7.	Discuss principle of use of NIRS and its clinical applicability in Neonatal practice.	4+6
8.	Discuss the role of innate host defences in susceptibility to Early Onset Neonatal Sepsis.	10
9.	Enumerate the available postnatal growth charts. Evaluate their merits and demerits.	4+6
10.	Strategies for fetal neuro-protection.	10

\*\*\*\*\*\*\*\*