

**NEONATOLOGY**

PAPER – I

NEONAT/D/15/19/I

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.	a) Development of placenta. b) Outline the neonatal disorders associated with placental defects.	5+5
2.	a) Define high risk pregnancy. b) Name the test and timing of the test to detect neural tube defects. c) Screening tests for Down's Syndrome.	2+3+5
3.	Fetal, placental and maternal factors associated with intra uterine growth restriction.	4+3+3
4.	Tests for antenatal assessment of gestation and their utility.	10
5.	a) Define and classify neonatal thrombocytopenia. b) Diagnostic approach to a neonate with thrombocytopenia.	(1+5)+4
6.	Etiopathogenesis, clinical features and management of congenital muscular torticollis in a neonate.	3+4+3
7.	a) Give a classification of ROP (Retinopathy of Prematurity). b) Give its screening protocol. c) Management of various stages.	3+2+5
8.	a) ROC Curve b) Meta analysis	5+5
9.	What is the mechanism of bilirubin brain toxicity? List the clinical features and MRI findings of kernicterus.	4+(4+2)
10.	Neuronal migration disorders – Classification, clinical features & management.	3+3+4

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