

NEONATOLOGY

PAPER – I

NEO/D/16/19/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) Embryology of neural tube defects. 4+6
b) Approach and management of a neonate with neural tube defects.
2. a) Aetiopathogenesis of hydrops fetalis. 4+(3+3)
b) Approach to a case of hydrops fetalis and outline the management of hydrops.
3. a) Define a hemodynamically significant Patent Ductus Arteriosus. 4+6
b) Therapeutic options for management of a case with the above condition.
4. a) What are the transient disorders of Thyroid function? 5+5
b) Management of these disorders.
5. Diagnostic work up and management of a case of resistant hypoglycemia. 4+6
6. a) Malrotation of intestines: Embryology & etiopathogenesis. 6+4
b) Dysmotility syndrome: Clinical features.
7. Postnatal workup and management of an antenatally diagnosed hydronephrosis. 5+5
8. a) Structural development of lung. 6+4
b) Pulmonary hypoplasia: Management.
9. a) Survival analysis 3+4+3
b) Forest plot
c) Ethics in research
10. Neonatal transport in resource rich and resource challenged settings. 4+6
