

NEONATOLOGY
PAPER-II

Time: 3 hours

NEONAT/J/20/19/II

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) What are the tests for antepartum fetal well-being? 5+5
b) Discuss the role of fetal Doppler ultrasound.
2. A two-month old infant is presenting with failure to thrive. Outline the causes, approach to diagnosis and management of this infant. 10
3. a) Describe the ethical issues in the management of a peri-viable newborn. 5+5
b) How would you counsel and prognosticate the parents of a newborn likely to deliver at 25 weeks gestation?
4. Describe the antenatal management in following two situations: 5+5
a) A pregnant woman presenting at 10 weeks of gestation to the perinatal clinic and whose previous baby had congenital adrenal hyperplasia.
b) A pregnant woman presenting at 10 weeks of gestation to the perinatal clinic and whose previous baby had Down Syndrome.
5. Antenatal, intrapartum and immediate postnatal strategies to improve survival in an extremely preterm baby. 10
6. Short and long term outcomes of Preterm AGA, Preterm SGA and Term SGA babies, each born with a birth weight of 1.4 kg. 10
7. a) Rationale and evidence for the practice of skin to skin contact at birth. 5+5
b) Relactation.
8. a) Plagiocephaly. 5+5
b) Hammersmith infant neurological examination.
9. a) Approach to diagnosis for a 2 days old neonate with bilious vomiting. 5+5
b) Discuss how to differentiate clinically Cerebral Visual Impairment (CVI) and ocular blindness.
10. a) Family centered care in NICU. 5+5
b) Core principles of Quality Improvement Initiatives.
