



NNF Neonatal Doctor's Fellowship Examination 2016

Theory Paper 2

Roll No _____

All questions are compulsory. Draw diagrams where necessary

- Duration – 3 hours

Maximum Marks: 100

1. Write in brief regarding following:

5X10=50

- Gastrochesis at birth: diagnosis and medical management
- Neonatal pain: Assessment and management in invasive and minimally invasive interventions
- Near Infra Red Spectrometry : Uses in neonates and principle
- Heated, Humidified, High flow nasal cannula Oxygen therapy (HHHFNC) in neonates
- ROC Curve
- Permissive hypercapnia
- Strategies to prevent CLABSI
- Refractory hypoglycemia: Investigations and management
- BIND scoring and BIND-M
- Non surgical fetal therapies.

2. Counsel the parents in the following scenarios:

- Antenatal scan was suggestive of cerebral lateral ventricle dilation of 13 mm on both sides at 28 weeks of gestation. 2.5
- Antenatal scan at 20 weeks was suggestive of choroid plexus cyst, echogenic focus in the left ventricle, and an echogenic bowel. 2.5
- Young Parents are planning for a second child. Their previous child is having Down's syndrome. 2.5
- Immediately before impending death and after death 2.5

3. Discuss the ; assessment , investigations and management of a baby with persistent vomiting after birth having

a) Abdominal distension 5

b) Scaphoid abdomen 5

4. a. NMR of city A is 51/1000 live births, city B 25/1000 live births and city C is 10/1000 live births.

Plan strategies to decrease the NMR in each of the cities . 4

b. What is India Newborn Action Plan (INAP) launched by the Govt of India and Write briefly the specific GOALS of INAP 2

C.What are the Strategic Interventional packages to achieve GOALS 4

5. A preterm baby born at 31 weeks with a birth weight of 1.4 kg is now 14 day old and is weighing 1.10kg.

- Enumerate the nutritional strategies to prevent/decrease above entity 3**
- What is catch up growth? Detail the pros and cons of catch up growth. 2**
- What is Aggressive enteral Nutrition 2**
- Recommendations regarding fortification and nutritional supplements 3**

6. a.What do you understand by accreditation. 1

b.What are the various levels of newborn care units according to NNF accreditation policy and what are basic differences in different levels. 3

C.What is the accreditation level of unit where you have worked/ are working. 1

7. What is evidence based recommendation about use of Proiotics in neonatology. 5