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

2. Counsel the parents in the following scenarios:

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

b) Scaphoid abdomen

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.

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

C. What are the Strategic Interventional packages to achieve GOALS

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

o Enumerate the nutritional strategies to prevent/decrease above entity

o What is catch up growth? Detail the pros and cons of catch up growth.

o What is Aggressive enteral Nutrition

o Recommendations regarding fortification and nutritional supplements

6. a. What do you understand by accreditation.

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

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

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