

IAP Neonatology Chapter Fellowship Examination

February 2017, Theory Paper 1

(Marks =100)

-Attempt answers for each question on a separate page.

-All questions are compulsory

- Marks allotted for each question is given in bracket

Q 1.A) What is BIND score? (2)

B) Describe three phase through which acute bilirubin encephalopathy progresses(3)

C) What are the steps to make Kernicterus – a never event? (5)

Q 2.A) Describe the development of the lungs in short (3)

B) How will you prognosticate in CDH (2)

C) Steps in management of a case of congenital diaphragmatic hernia (5)

Q 3A) Describe various growth charts being used preterm babies (3)

B) Describe how would you plan a discharge of a preterm baby (7)

Q 4.A) Define operational threshold of hypoglycaemia. (3)

B) Who are at risk for hypoglycaemia ?(3)

C) Monitoring and management of Infant of diabetic mother. (4)

Q 5. Write short note on (5 marks each)

A) Pulse oximeter screening

B) ROP screening

Q 6. Write short notes: (5 marks each)

A) Classification of HIE

B) Role of point of care ultrasound in NICU

Q 7. Write short notes on : (5 marks each)

A) Role of DHA in neonatal brain development

B) Role of lipids in nutrition of neonate

8. Write short notes on : (5 marks each)

A) Antibiotic stewardship in NICU

B) Caffeine

9. Write correct answer in one to two words: (20)

1. What is the Targeted preductal SpO₂ at 3 min after birth ?

Answer:

2. What is target temperature range in Therapeutic hypothermia?

Answer :

3. What is meaning of AP- ROP ?

Answer:

4. Persistent hypoglycaemia affects which part of brain ?

Answer:

5. Which is neuroimaging of choice in Perinatal Asphyxia ?

Answer:

6. Neonatal seizures due to which etiology has best outcome ?

Answer :

7. What is normal value of compliance in term newborn?

Answer:

8. Which investigation is the Gold Standard for neonatal sepsis?

Answer:

9. What is the calorie requirement of growing Preterm baby on enteral feeds?

Answer:

10. Name the pathognomicradiological sign of NEC.

Answer:

11. A day 15 infant is noticed to have cyanosis on admission. His Spo2 is 92% in room air. His vitals are in normal range. CVS exam and ECHO is normal. What is the most likely cause for his cyanosis?

Answer:

12. In which condition do you get hyperplasia of pancreatic beta cells, which results in endogenous hyperinsulinaemia and refractory hypoglycemia in newborn?

Answer:

13. You are examining a newborn. You find a Palpable ridge over the prematurely closed suture line. Skull X-ray shows Silver beaten appearance. What is the diagnosis?

Answer:

14. What is the most common presentation of cystic fibrosis in the neonatal period?

Answer:

15. Which chromosomal deletion syndrome, results in a macrosomic neonate with visceromegaly, polycythemia and hypoglycemia?

Answer:

16. A day 20 newborn is admitted for apnea and is noticed to have ecchymoses over the thighs. He is noticed to have rib injuries, spiral fracture of humerus and retinal hemorrhages. What is the cause?

Answer:

17. Triad of thrombocytopenia,eczema, and recurrentbacterial infections inmales should arouse suspicion of which underlying disorder?

Answer:

18. Peeling of hands and soles is characteristic of which congenital disease of newborn?

Answer:

19. In what condition do you look for Gallezi's sign?

Answer:

20. A 28 w is being discharged. The father has question about the immunization schedule. He wants to clarify whetheryou will use Chronological age or Corrected age for vaccination. What should be your answer (Choose one) :

Answer: