

091/21

The West Bengal University of Health Sciences
M.D. (Paediatrics) November , 2021 Examination

Paper: II

Full Marks: 100
Time: 3 Hours

Attempt all questions

1. What is surfactant replacement therapy in newborns ? Write in brief about types of surfactant available, indications, procedures and protocols of surfactant therapy.
1+1+1+2+5
2. Write in brief about the principle and components of CPAP. Enumerate its guidelines, indications, monitoring and hazards.
2+2+2+2+1+1
3. What is development care of the newborn at the NICU/SNCU level ? Enumerate its core measures and its integration into routine clinical practice. What are the various pharmacologic and non-pharmacologic measures in relation to such services ?
2+2+3+3
4. Discuss basics of neonatal ventilation. How would you set up follow up care centre for high risk neonates ? Write in brief about its execution.
3+3+4
5. What is IEM ? Write in brief about early clinical pointers towards IEM in the newborn period. What are the 1st line and 2nd line investigations for persuing such patients ?
1+4+3+2
6. Discuss in brief about calcium homeostasis and parathormone functions in newborn period. How would you manage early onset and late onset hypocalcaemia?
3+2+3+2
7. What is "AFASS" IN HIV ? How would you prevent perinatal transmission of HIV infection ? How would you manage refractory hypoglycaemia in neonates ? Enumerate consequences of bilirubin encephalopathy.
1+2+3+4
8. How would you proceed in a case of neonatal Apnoea ? Discuss various pharmacologic and non pharmacologic therapies available to manage such cases.
4+3+3
9. Discuss in brief hemodynamic of duct dependent congenital cardiac anomaly. Write in brief about various modalities of therapy available for neonatal PDA. 5+5
10. Discuss about newer modes of therapy available for birth asphyxiated baby. What are the different components of intervention in the early hours of life ?
5+5