

FETAL MEDICINE

PAPER-II

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams whenever necessary
All question carry equal marks.

Write an essay on the following:

10 X 10 = 100

1. What are the different foetal growth patterns. Discuss the stage based classification of Barcelona.
2. Explain about Multiple of Median (MOMS). Write about Its significance in reporting biochemical analytes.
3. a. Enumerate the standard views for foetal cardiac screening according to the ISUOG guidelines.
b. What are the main elements for examination of a four-chamber view of the heart. Explain with a diagram.
4. a. Define microcephaly. Write about its etiology and prognosis.
b. Write about ultrasound evaluation of sulcation of foetal brain with emphasis on Sylvain fissure.
5. Write on management of monochorionic, monoamniotic twins.
6. a. Enumerate the ultrasound markers of lethality in a suspected case of skeletal dysplasia.
b. What investigations are recommended in common for those who opt to discontinue the pregnancy. How do you counsel the couple.
7. a. Give a differential diagnosis of cystic kidneys on scan.
b. Explain diagnosis and management of Multi Cystic Dysplastic Kidney.
8. a. Write a brief account of volume contrast imaging. Give two clinical applications.
b. Write a short note on foetal Blood Sampling.
9. Define Nonimmune Foetal Hydrops (NIHF). What are the clues on ultrasound for probable etiology. How do you investigate the foetus with NIHF.
10. A 30 year old woman had lost her brother with history suggestive of Duchenne Muscular Dystrophy. She doesn't have any reports of her brother and would like to know the risk of a similar problem in her offspring. What is the mode of inheritance of DMD. Name other genetic disorders with similar mode of inheritance. How would you like to counsel this woman and plan further investigations.
