

FELLOWSHIP IN PAEDIATRIC RADIOLOGY : *Winter-2021*  
SUBJECT : PAPER – II

Day : Monday  
Date : 25-10-2021

Time : 02:00 PM-05:00 PM  
Max. Marks : 100

W-23767-2021

**N.B.**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw tables / diagrams / flowchart wherever appropriate.

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- Q.1** With the help of diagrams describe the normal anatomy of the spine on (10)  
ultrasound. Enumerate the normal variants. What are the indications for  
ultrasound of the spine in neonates?
- Q.2** What are the causes of recurrent urinary tract infection in a two year old male (10)  
child? How will you investigate the patient on imaging?
- Q.3** Radiation risks in children (10)
- Q.4** Achondroplasia (10)
- Q.5** Ewings sarcoma (10)
- Q.6** A 4 year old girl presents with precocious puberty. How would you proceed to (10)  
evaluate such a case? What are the possible differential diagnosis you would  
entertain?
- Q.7** Enumerate the causes of neck swellings in children. Describe imaging findings in (10)  
two of the commonly seen neck swellings.
- Q.8** A child presents with leukokoria. What is the differential diagnosis you will (10)  
entertain? Briefly describe the imaging findings in these conditions.
- Q.9** Imaging of childhood lymphoma (10)
- Q.10** Cochlear implant imaging (10)

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