

SS/MBBS-III (Part-1)/1st IA/PAED/07-24

2024

(July)

PAEDIATRICS

Full Marks: 100

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions

1. Define growth and development. Describe the factors affecting normal growth. What are the periods of growth spurts? Describe the velocity of growth in weight, length and head circumference during infancy.

3+5+3+4=15

2. Describe the physiology of breast feeding, benefits of breast milk and problem during breast feeding.

5+5+5=15

3. Write short notes on:

5x8=40

- a) Health problems during adolescence.
- b) Essential investigations (Level 1) in a child with short stature.
- c) Complementary feeding in the breastfed infant.
- d) Treatment and prevention of vitamin A deficiency.
- e) Physical and psychological changes during adolescence.
- f) Not enough breast milk.
- g) Aetiology, clinical features and management of Enuresis.
- h) Approach to a child with development delay.

4. Answer in brief:**2x5=10**

- a) Define adolescence and stages of adolescence.
- b) Define intellectual disability.
- c) Ocular findings in vitamin A deficiency.
- d) Uses of growth charts.
- e) Criteria to define Encopresis.

5. Riya is an 18 months old girl who weighs 8.5 kg and has a length of 73.5 cm. Her plots on the WHO growth chart shows weight for length, weight for age and head circumference to be within normal limit. However, her length for age is below -3 Z score for her age. What is your interpretation from the above mentioned findings? Approach to find out the clues to aetiology of the case. 2+8=10

6. An 8 years old child presents with lymphadenopathy, mild fever and weight loss for last 1 to 2 months. Examination of the neck shows large rubbery lymph nodes that are also present in the axilla and groin. There is a palpable spleen. The patient undergoes a lymph node biopsy. The pathologist reported it as lymphoma. The father comes with the report in the doctor's office and requests the doctor that the final diagnosis has to be altered to tuberculosis by whitening out the pathologist's report. When the doctor looks up he tells the doctor "Sir, I googled lymphoma. It is almost like cancer. My wife will not be able to handle the diagnosis. She has always been a worried frightened person. I want you to tell my wife that our child has TB." Do the parents have a right to know the diagnosis? Should the parents be told about the diagnosis, therapy and prognosis? Are there exceptions to full disclosure and can father request withholding of information from mother? 1+2+2=5

7. Choose the correct option:**1x5=5**

- i. The average length velocity in the first year of life is
- a) 20 cm per year

- b) 25 cm per year
- c) 30 cm per year
- d) None of the above

ii. The daily energy requirement (kcal/day) of a 15 kg old child is

- a) 1250
- b) 1500
- c) 1750
- d) 2000.

iii. The most common preventable cause of mental retardation in children is

- a) birth asphyxia
- b) iodine deficiency
- c) iron deficiency
- d) prematurity

iv. Stranger anxiety is present in a child by the age (months) of

- a) 3
- b) 6
- c) 9
- d) 12

v. Breast milk can be stored in a refrigerator for

- a) 4 hours
- b) 8 hours
- c) 12 hours

d) 24 hours

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