

PAEDIATRICS - PAPER 1

Final Examination for Medical Degrees – July 2021

Faculty of Medicine, University of Ruhuna.

Part A - Question No 1

Index No: -

1 A three-year-old boy is admitted due to fever with chills and rigors for 3 days. On admission he is febrile and ill looking. A palpable urinary bladder and right sided renal angle tenderness are noted on the examination. Urine culture revealed the growth of *Escherichia coli* > 10⁵/cu mm.

1.1 State the complete diagnosis. (20 marks)

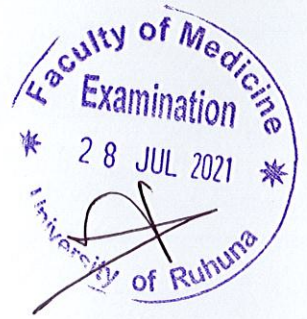
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1.2 Mention **five (5)** important questions you would ask in the history to find the underlying condition. (20 marks)

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1.3 List **five (5)** physical signs, other than mention above you would look for in this child. (20 marks)

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Part B - Question No 2

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2 A fourteen-year-old previously healthy girl is admitted with a history of fever for days and weakness of the lower limbs for two days duration.
 On examination she looks unwell with a congested throat. She could not walk and tone in the lower limbs is reduced with muscle power of 3/5. Deep tendon reflexes are absent. Motor system examination of the upper limbs is normal.

2.1 List **three (3)** differential diagnoses for this presentation. (15 marks)

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2.2 Outline the components of the monitoring process, in assessing the progression of the disease. (25marks)

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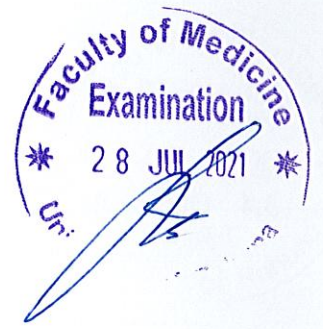
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Part C - Question No 3

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3 A three-day old baby is admitted with fever, poor feeding, and convulsions. On examination the baby is lethargic and has bulging anterior fontanelle. A full septic screen is performed and the diagnosis of meningitis is established.

3.1 List three (3) maternal risk factors predispose to neonatal sepsis. (15 marks)

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3.2 List three (3) organisms causing meningitis in this newborn (15marks)

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3.3 List the components of the full septic screen with the expected findings in a newborn with sepsis. (30 marks)

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Part D - Question No 4

Index No :-

4.1 Mention briefly the clinical criteria to diagnose Kawasaki disease. (30 marks)

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4.2 List **three (3)** investigations you would perform ,with the expected findings to confirm the diagnosis. (15 marks)

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Part F - Question No 6

Index No :-

A 2-month old boy presents with Jaundice, pale stools and dark urine. He is the second baby born to non-consanguineous healthy parents following an uneventful antenatal period. His birth weight is 3.0kg, and his current weight is 5.0 kg.

6.1 Mention **four (4)** possible differential diagnoses for the above presentation (20 marks)

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6.2 Mention **five (5)** necessary examination findings you would look for in this child to aid the diagnosis. (15 marks)

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6.3 List **five (5)** investigations with reasons that would help you to arrive at a diagnosis (20 marks)

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