

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (PATHOLOGY) HAEMATOLOGY EXAMINATION – JANUARY 2014

Date :- 20th January 2014

Time :- 1.00 p.m. – 4.00 p.m.

Answer question **one** and **three** others.

Answer each question in a separate book.

All questions carry equal marks.

PAPER I

1. A 29 year old primi-gravida admitted to the casualty ward in labour had a normal vaginal delivery. Her clinic records are not available. 15 minutes after the delivery she became restless and confused. On examination her pulse was thready, blood pressure was unrecordable and noticed heavy vaginal bleeding. Massive post partum haemorrhage was suspected. You are called for advice as the Haematologist.

Discuss how you would manage this situation. (100 marks)

2. Discuss the causes, investigation and management of bone marrow aplasia in an adult. (100 marks)

3. Write short notes on –

3.1. Monitoring of analytical errors in prothrombin time. (40 marks)

3.2. Principle and limitations of flowcytometry as a diagnostic tool in haematology. (30 marks)

3.3. Serum free light chains. (30 marks)

4. Discuss the pathophysiology of haematological complications in Dengue virus infection. (100 marks)

5. Outline the clonal disorders which give rise to thrombocytosis and discuss how these conditions can be differentiated from each other. (100 marks)

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20th Jan 2014

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MD (PATHOLOGY) HAEMATOLOGY EXAMINATION – JANUARY 2014

Date :- 21st January 2014

Time :- 9.00 a.m. – 12.00 noon

Answer **four (04)** questions only.

Answer each question in a separate book.

All questions carry equal marks.

PAPER II

1. Discuss the causes, investigation and management of anaemia in pregnancy. (100 marks)
2. A number of viral infections have been linked to haematological malignancies.
Pick three (03) examples and write short notes on their clinical features, diagnosis and management. Where possible indicate how the virus is believed to contribute to the pathogenesis of the neoplasm. (100 marks)
3.
 - 3.1. Discuss briefly the role of platelets in haemostasis. (35 marks)
 - 3.2. List the important causes of inherited thrombocytopenia with dysfunction. (30 marks)
 - 3.3. Pick one (01) of them and discuss the molecular pathology, diagnosis and management. (35 marks)
4. Discuss the indications, appropriate methods and complications of transfusion therapy in sickle cell disease. (100 marks)
5. Discuss the investigations that should be used to direct the management of a newly diagnosed patient with acute myeloid leukaemia (AML). (100 marks)