

FINAL EXAM
JUNE 2012

NATIONAL BOARD OF EXAMINATIONS

GENERAL MEDICINE
PAPER-ITime : 3 hours
Max. Marks : 100

MED/J/12/08/I

Attempt all questions in order.
Each question carries 10 marks.

1. Enumerate the actions of Growth Hormone. Discuss the clinical features, diagnosis and treatment of adult growth hormone deficiency. 3+2+2+3
2. Discuss the vascular endothelial cell function in health and disease. Describe clinical assessment of Endothelial function. 5+5
3. Define and list the causes of delirium. Describe the approach to diagnosis of a case of delirium. 2+3+5
4. Discuss etiology, clinical features, prognostic markers and management of acute liver failure. 2+2+2+4
5. Define hyper-eosinophilic syndrome. Describe its etiopathogenesis, clinical spectrum and management. 1+3+3+3
6. Define mutation. Briefly describe autosomal dominant inheritance. Draw a family tree of an autosomal dominant disease. 2+4+4
7. Define anion gap. Describe the causes, diagnosis and treatment of anion gap metabolic acidosis. 2+2+3+3
8. Discuss differential diagnosis of 'Solitary Pulmonary Nodule'. Describe its diagnostic algorithm. 5+5
9. Define sudden cardiac death. Describe initial evaluation and basic life support in such a situation. 2+3+5
10. Discuss differential diagnosis of ST segment elevation. Describe ECG changes in hyperkalemia, hypokalemia and hypocalcemia. 4+2+2+2

POSSESSION/USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE
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1. Describe clinical features, laboratory findings and treatment of Idiopathic Thrombocytopenic Purpura. 3+3+4
2. Define anaphylaxis. Enumerate its causes. Describe its clinical presentation and management. 1+2+3+4
3. Describe current WHO guidelines for diagnosis and treatment of complicated malaria. 5+5
4. Define cardio-renal syndrome. Discuss its etiopathology and management. 1+4+5
5. Describe causes, diagnostic evaluation and treatment of a patient presenting with haematuria. 3+3+4
6. Discuss post myocardial infarction risk stratification, assessment and secondary prevention. 3+4+3
7. Define gestational diabetes. Enumerate its risks to foetus. Describe its management strategies. 2+3+5
8. Discuss differential diagnosis and diagnostic evaluation of a patient with new onset acute headache. 5+5
9. Define parenteral nutrition. Discuss its indications, types and complications. 2+2+2+4
10. Describe the clinical features, diagnosis, differential diagnosis and treatment of angina pectoris. 2+2+2+4

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GENERAL MEDICINE
PAPER- III**Time : 3 hours****MED/J/12/08/III****Max. Marks : 100****Attempt all questions in order.**
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1. Enumerate causes of stroke in young. Describe diagnostic algorithm of a 25 year old man presenting in unconscious state. 4+6
2. What are Proton Pump Inhibitors? Describe their function, uses and adverse effects. 2+(3+2+3)
3. Define Systemic Inflammatory Response Syndrome. Describe its diagnostic criteria, clinical presentation and management. 1+(2+3+4)
4. Define hepato-pulmonary syndrome. Describe its pathogenesis, diagnosis and management. 2+(2+3+3)
5. Describe pathophysiology, diagnostic evaluation and treatment of renal amyloidosis. 4+3+3
6. Define metabolic syndrome. Discuss evaluation and treatment of a patient with morbid obesity. 3+(3+4)
7. Describe clinical presentation, diagnostic evaluation and management of a patient with HIV infection. 3+3+4
8. Describe etiopathogenesis, clinical presentation, diagnostic evaluation and treatment of Wilson's Disease. 2+2+3+3
9. What are the types of mechanical ventilators? Describe the indications and complications of mechanical ventilation. 4+(3+3)
10. Discuss chemical terrorism under the following headings: 4+4+2
 - a) Agents
 - b) Treatment
 - c) Prevention

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GENERAL MEDICINE
PAPER- IV**Time : 3 hours**
Max. Marks : 100**MED/J/12/08/IV****Attempt all questions in order.**
Each question carries 10 marks.

1. a) Discuss synthesis and metabolism of Vitamin D. 5+5
b) Enumerate role of vitamin D in health and disease.
2. a) Describe regulation of Hypothalamo-Pituitary-Adrenal Axis. 3+(2+2+3)
b) Briefly discuss etiology, clinical presentation and management of adrenal insufficiency.
3. Describe pathophysiology, clinical presentation and management of High Altitude Pulmonary Oedema. 3+2+5
4. Discuss Bio-medical waste management. 10
5. Describe the pathophysiology, clinical features and management of carbon monoxide poisoning. 3+2+5
6. Define acute kidney injury. Describe its etiopathogenesis, clinical presentation and treatment. 2+(3+2+3)
7. Describe the basic mechanisms of systolic dysfunction, diastolic dysfunction and ventricular remodeling. 4+3+3
8. Define the terms sensitivity or true positive rate and specificity or true negative rate and discuss their clinical significance. 2+2+6
9. What is informed consent? Discuss genetic counseling. What are the indications of genetic counseling? 2+4+4
10. Discuss antimicrobial drug resistance. 10

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