THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 1224] DECEMBER 2024 Sub. Code: 4044
(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

GERIATRICS

PAPER IV – SOCIAL AND PREVENTIVE GERIATRICS INCLUDING REHABILITATION AND ADVANCES IN GERIATRICS

Q.P. Code: 204044

Time : Three Hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Mr. Govindan has been diagnosed with end stage lung cancer with brain and liver metastases. Describe the recognition and management of the terminally ill patient.
2. Discuss the etiopathogenesis, risk factors, assessment, adverse consequences, prevention and management of falls in older adults.

II. Write notes on: **(10 x 7 = 70)**

1. Tumor markers – role in detection and management of cancer.
2. Primary prevention of cardiovascular disease.
3. Geriatric nurse practitioner – discuss their role in the health care team.
4. Nicotine dependence.
5. Barthel's index of activities of daily living.
6. Role of bisphosphonates in osseous metastases.
7. Impulse control disorders.
8. Discuss any three cognitive screening tests useful in the outpatient department.
9. Stress urinary incontinence in women. Add a note on Kegel's exercises.
10. National programme for the health care of the elderly (NPHCE).

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 1025] **OCTOBER 2025** **Sub. Code: 4044**

M.D. DEGREE EXAMINATION

GERIATRICS

PAPER IV – SOCIAL AND PREVENTIVE GERIATRICS INCLUDING REHABILITATION AND ADVANCES IN GERIATRICS

Q.P. Code: 204044

Time : Three Hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. What is Motor Neuron Disease? What is the etiopathogenesis of motor neuron disease? What are the clinical presentation, symptoms, course and prognosis of this disease? What are the treatment modalities available?

2. What are the types of acute coronary syndromes? How are they diagnosed, investigated and treated-based on the latest recommendations published in literature- both acutely and on outpatient follow-up?

II. Write notes on: **(10 x 7 = 70)**

1. What are the causes, risk factors, clinical features, complications and treatment of an REM (Rapid Eye Movement) Sleep Disorder?
2. 68-year-old Mr. Shivanand presents to the outpatient department with shortness of breath. On examination, he was found to be pale and in failure. Elaborate on how one should investigate and manage Mr. Shivanand.
3. What are the newer antidepressants? What is the safety profile of these drugs in the older person?
4. Newer insulins- onset and duration of action, and their advantage over the 'older' Insulins?
5. What are the clinical features of hyperthyroidism in the older person? What are the investigations to be sent and what should be the line of management?
6. How should you investigate the hyperkalemia in a diabetic? What is the line of management?
7. Differential diagnosis of tremor in the older person. Discuss the treatment modalities for each of these conditions.
8. Gadgets which will improve the quality of life in the older person.
9. Assessment of swallow – when, how, by whom and with what.
10. Describe the changes seen in the airways in emphysema and asthma.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 0526] **MAY 2026** **Sub. Code: 4044**

M.D. DEGREE EXAMINATION
GERIATRICS
PAPER IV – SOCIAL AND PREVENTIVE GERIATRICS INCLUDING REHABILITATION AND ADVANCES IN GERIATRICS
Q.P. Code: 204044

Time : Three Hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Mr. Mallapan, an 83-year-old fiercely independent widower, who lives with a care giver presented to the Emergency department following a fall. He is a diabetic, hypertensive and a smoker - 30 pack years. He also consumes alcohol on a daily basis. He is on a whole lot of medication and frequently uses over the counter medication for his sleeplessness. How should you investigate and manage Mr. Mallapan? Describe the discharge planning in his case.

2. Discuss the types of Elder mistreatment. Identification and management.

II. Write notes on: **(10 x 7 = 70)**

1. What are the scores used to screen for Frailty? Enumerate the salient features of at least 3 of these scales.
2. What is the 'living will'? What are the steps to be followed if one wants to make a "living will"?
3. Ms. Sunanda is terminally ill with ovarian cancer and is now delirious at times. The relatives are very worried that her intake is very poor. What interventions would you suggest? Which members of the multidisciplinary team would you involve? Describe other forms of parenteral hydration you would suggest in such a patient.
4. You have just passed your examination and posted to a PHC. What are the healthy ageing innovations one should implement in the community so as to have a healthy and happy community? These recommendations should be based on the Government initiatives and availability of personnel to implement these innovations.
5. Newer drugs in Alzheimer's – indications, contraindications and mode of action.
6. Highlight the components of the Hospital Elder Life Program – HELP.
7. What are the salient features and differences between Subjective and Mild Cognitive Impairment? How many of them will progress to dementia?
8. Integrated Care of Older People (ICOPE).
9. What is decisional capacity? What are the factors that have an impact on this? How does one assess it?
10. How does bone remodel itself? Explain with a diagram.

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