

**March 2009**

**[KU 161]**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**Branch XVI – GERIATRICS**

**Part II – Paper I (Candidates admitted upto 2003-04) and  
Paper II - (For candidates admitted from 2004-2005 to 2007-2008)**

**GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code : 202056***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

**I. Essay questions : (2 x 20 = 40)**

1. Discuss epilepsy in elderly people and its management.
2. Discuss fluid and electrolyte disturbances in older patients and its management.

**II. Write short notes on : (10 x 6 = 60)**

1. Depression in elderly.
2. Acute confusional state.
3. Cluster headache.
4. Cerebral malaria.
5. Valvular aortic stenosis.
6. Positron emission tomography.
7. Alpha glycosidase inhibitors.
8. Chronic active hepatitis.
9. Prevention of falls in elderly people.
10. Polypharmacy.

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**March 2010**

**[KW 161]**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**Branch XVI – GERIATRICS**

**GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

**Paper II – (for candidates admitted from 2004-2005 to 2007-2008) and  
Part II / Paper I – (for candidates admitted from 2008-09 onwards)**

***Q.P. Code : 202056***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Discuss giddiness in elderly people and its management.
2. SIADH.

**II. Write short notes on :**

**(10 x 6 = 60)**

1. Anxiety in elderly.
2. Delirium.
3. Pneumonia in elderly.
4. Tension headache.
5. Mitral regurgitation in elderly.
6. Atherosclerosis.
7. Drop attacks.
8. Polypill.
9. Senile emphysema.
10. Glomerular Filtration rate.

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**MAY 2011**

**[KY 161]**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATIONS**

**BRANCH XVI – GERIATRICS**

**GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code : 202056***

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

| <b>Pages<br/>(Max.)</b> | <b>Time<br/>(Max.)</b> | <b>Marks<br/>(Max.)</b> |
|-------------------------|------------------------|-------------------------|
|-------------------------|------------------------|-------------------------|

1. Clinical features, evaluation and management of unstable Angina.
2. Aetio pathogenesis, diagnosis and treatment of Septic Shock.

|    |    |    |
|----|----|----|
| 11 | 35 | 15 |
| 11 | 35 | 15 |

**II. Write notes on :**

1. Sub clinical hypothyroidism.
2. Complex partial seizure.
3. Delirium.
4. Atypical anti psychotics.
5. Accelerated hypertension.
6. Drug induced jaundice.
7. Hyponatremia.
8. Electro Convulsive Therapy (ECT).
9. Acute glomerulo nephritis.
10. Cancer screening.

|   |    |   |
|---|----|---|
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |
| 4 | 10 | 7 |

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**M.D. DEGREE EXAMINATION****BRANCH XVI –GERIATRICS****GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS****Q.P. Code : 202056****Time : 3 hours  
(180 Min)****Maximum : 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

|  | <b>Pages<br/>(Max.)</b> | <b>Time<br/>(Max.)</b> | <b>Marks<br/>(Max.)</b> |
|--|-------------------------|------------------------|-------------------------|
|--|-------------------------|------------------------|-------------------------|

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|
| 1. What is community acquired pneumonia?<br>What is the etiopathogenesis of this entity? How will<br>diagnose and manage community acquired pneumonia?                                                                                                                                                                                                                                                                                                                                      | 16 | 35 | 15 |
| 2. A 60 year old man was brought to Casualty by his son and wife.<br>He was found in the fields in an unconscious state, with profuse<br>frothing at the mouth. He was perfectly well the night before, and<br>had his usual dose of alcohol with his meal. He had incurred heavy<br>debts after marrying off his daughter recently. He appeared quite<br>depressed of late. How would you assess, investigate, diagnose<br>and treat this man – based on the evidence found in literature? | 16 | 35 | 15 |

**II. Write notes on :**

- |                                                                                                                                                                                                                                            |   |    |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|
| 1. What are the reversible dementias? How would you<br>investigate and treat them?                                                                                                                                                         | 4 | 10 | 7 |
| 2. What are the behavioral problems one would expect in a<br>demented patient? How would you manage this patient?<br>What are the modes of action, indications and side effect<br>profile of the drugs which are used in these conditions? | 4 | 10 | 7 |
| 3. What are the types of incontinence? How would you<br>investigate and manage them?                                                                                                                                                       | 4 | 10 | 7 |

(PTO)

|                                                                                                                                                                                                                                                     |   |    |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|
| 4. What is your advice to a 65 year old man with diabetes, hypertension, dyslipidemia and a BMI of 35 who has just had two stents put into his coronaries? He has come to you for an outpatient consultation following his discharge from hospital. | 4 | 10 | 7 |
| 5. What are the innovations you would suggest to ease “career burden”?                                                                                                                                                                              | 4 | 10 | 7 |
| 6. What are the common causes of peripheral neuropathy? What would be your approach to a person with peripheral neuropathy?                                                                                                                         | 4 | 10 | 7 |
| 7. Write a short note about the indications and rationale for cancer screening in the elderly.                                                                                                                                                      | 4 | 10 | 7 |
| 8. What are the criteria for initiating renal replacement therapy in a patient, with special emphasis on the elderly in our country?                                                                                                                | 4 | 10 | 7 |
| 9. What is the appropriate management of an elderly patient who has been recently diagnosed to have Hepatitis B infection?                                                                                                                          | 4 | 10 | 7 |
| 10. What is the treatment of symptomatic and asymptomatic carotid disease in the elderly?                                                                                                                                                           | 4 | 10 | 7 |

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**(LC 161)**

**APRIL 2013**

**Sub code:2056**

**M.D. DEGREE EXAMINATION  
BRANCH XVI – GERIATRICS**

**GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS  
Q.P.CODE:202056**

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the prevalence, clinical presentation and management of depression? What is the role of ECT in elderly patient with depression?
2. Define Fever of unknown origin? How will you evaluate and manage prolonged fever in elderly?

**II. Write notes on:**

**(10X7=70)**

1. Management of refractory heart failure.
2. Mild cognitive impairment and its outcome.
3. Discuss the causes of jaundice in older person.
4. Transient ischemic attack.
5. Rating scales in delirium.
6. Causes and management of hypercalcemia.
7. How will you approach a case of pleural effusion in older person?
8. Management of gastro esophageal reflux disease.
9. What are the Clinical presentations and diagnosis of acute pyelonephritis?
10. Write briefly on anemia of chronic disease.

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[LD 161]

OCTOBER 2013

Sub. Code: 2056

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P.Code:202056***

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss how will you manage Hypertension in a 65 years old elder having Dyslipidemia and Coronary Artery Disease?
2. Describe the Ageing changes in Central Nervous System including Brain and the Degenerative diseases of Brain.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Sleep problems.
2. Age Associated Personality Changes.
3. Diogenes Syndrome.
4. Alcoholism in Elderly.
5. Inanition.
6. Reversible DEMENTIAS.
7. Vaccinations in Elder patients.
8. Hospital Acquired pneumonia.
9. Anemia in elderly.
10. Pulmonary Embolism.

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[LE 161]

APRIL 2014

Sub. Code: 2056

**M.D. DEGREE EXAMINATION**  
**BRANCH XVI –GERIATRICS**  
**GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**  
***Q.P. Code :202056***

**Time : Three Hours**

**Maximum : 100 marks**

**I. Elaborate on:** **(2X15=30)**

1. Discuss Congestive Heart Failure in a 85 year old lady.
2. 78 year old Man with Type 2 Diabetes Mellitus presents to the Emergency outpatient department in an Acute Confusion, fever with Headache, neck stiffness, vomiting & Photophobia. What is your diagnosis? How will you Manage this patient.

**II. Write notes on:** **(10X7=70)**

1. Suicide in Elders.
2. Phobias in old age.
3. Age associated changes in sexual activity.
4. Vascular Dementia.
5. Aortic Sclerosis.
6. Prostatic Cancer.
7. Tinnitus.
8. Multiple Myeloma.
9. Hashimoto's Thyroiditis.
10. Ascitis.

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[LG 161]

APRIL 2015

Sub. Code: 2056

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER I – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

**Q.P.Code:202056**

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Paget's disease – epidemiology, etiology, pathophysiology, clinical manifestations and treatment.
2. Name the various plasma cell dyscrasias. What are their clinical presentations, diagnostic criteria, course and progression and their various treatment options?

**II. Write notes on:**

**(10 x 7 = 70)**

1. 65 year old Mrs. Shakuntala presented to OPD with loss of appetite, lack of interest in doing her daily work and a considerable weight loss. She complains of insomnia. She is teary and upset during the course of her OP interaction and has thoughts of worthlessness. She has even contemplated on killing herself. What would be your approach – what are the class of drugs one can give safely in this age group, and what is their side effect profile? What will be your follow up?
2. Head up Tilt test – its indication, procedure and interpretation.
3. Wallenberg syndrome – cause, clinical features and treatment.
4. Mr. Rathinam, a seventy year old diabetic, lives alone at home. He has been having recurrent falls. How will you evaluate him and prevent him from falling?
5. Enumerate the pre operative assessment of 68 year old Mr. Arulanandam, who is going in for surgical correction of his fracture neck of femur. He is a diabetic on oral hypoglycaemic agents and his HBA1c is 6.
6. 72 year old Mrs. Arangadan has had fecal incontinence for one year. How will you evaluate Mrs. Arangadan?
7. Isolated systolic hypertension - cut off value, treatment and prognosis.
8. Chickungunya – Clinical presentation, differential diagnosis, laboratory tests and management.
9. Hypercalcemia – causes, evaluation and management.
10. Mr. Kalyanisundaram, a 67 year old man presented to Casualty with cough with purulent expectoration and fever for the past three days. On admission, he was tachypnoeic, tachycardic and hypotensive. How will you investigate and treat this patient?

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## M.D. DEGREE EXAMINATION

## BRANCH XVI – GERIATRICS

## PAPER I – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS

Q.P. Code :202056

Time : Three Hours

Maximum : 100 Marks

## I. Elaborate on:

(2 x 15 = 30)

1. Chronic fatigue syndrome – Diagnostic criteria, clinical manifestations, predisposing factors, course, prognosis and treatment modalities.
2. Diffuse parenchymal lung diseases – Epidemiology, pathogenesis, classification, prognosis and natural history, diagnostic approach and treatment.

## II. Write notes on:

(10 x 7 = 70)

1. Ebola virus – its clinical features, spread, treatment and prevention.
2. Define the following
  - a. Physical abuse.
  - b. Neglect.
  - c. Financial or material abuse.
  - d. Psychological or verbal abuse.
  - e. Care giver burden.
3. Hyperthyroidism in the elderly – presentation, investigation and treatment.
4. What are the principles of therapy and treatment in a 65 year old patient recently diagnosed to have Parkinson's disease? He has predominant rigidity and minimal tremor.
5. What would be the ideal approach to 65 year old Mr. Karthikeyan's insomnia? He has recently retired from a busy professional career.
6. Seventy year old Mr. Raghavan is on treatment for cardiac failure. His TSH was 50 micro IU/ml and his T3 and T4 were both suppressed. He complained of constipation and intolerance to cold. He had put on a considerable amount of weight. How would you treat Mr. Raghavan? How would you follow him up and what would you specifically instruct him?
7. Mr. Soundaranayagam is a known diabetic. He is on oral hypoglycaemic agents and came to you for a regular outpatient check up. His Potassium was found to be 5.7 mEq/L – how would you investigate and treat this patient with regards to his potassium value?
8. Mr. Kannan, a chronic smoker, with 30 pack years behind him, presented to the Geriatric OPD with cough. Routine chest Xray revealed a solitary pulmonary nodule. What is your next investigative procedure? How would you proceed to manage the patient following this investigative procedure?
9. Aortic stenosis – clinical presentation, diagnosis and management.
10. DOTS and treatment of Multidrug resistant and XDR tuberculosis.

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[LK 161]

**MAY 2017**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code :202056***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail the causes, clinical manifestations, diagnosis and management of hypoxic-ischemic encephalopathy.
2. An 80 years old female, hypertensive, Diabetic, coronary artery disease and Atrial fibrillation on medications, was admitted to medical ICU with H/O altered sensorium following Generalised tonic clonic seizures. How will you evaluate and manage this patient?

**II. Write notes on:**

**(10 x 7 = 70)**

1. Behavioural problems in a patient with dementia and its management.
2. Anaemia of chronic disease.
3. Chronic Myeloid Leukemia - clinical features and management.
4. Reversible Dementias.
5. Postural hypotension in elderly, its evaluation and management.
6. Differential diagnosis and management of a 70 years old male, who is a hypertensive, Diabetic on medications, nonsmoker, presenting with Breathlessness, pedal oedema, palor and declining functional status?
7. Chronic pulmonary Thromboembolism.
8. Evaluation of Dizziness in a 68 years old female.
9. Evaluation and management of a 60 years old male presenting with Right sided pleural effusion.
10. Movement disorders in elderly.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code :202056***

**Time : Three Hours**

**Maximum : 100 Marks**

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

1. Describe the aetiology, pathogenesis, differential diagnosis and management of Syncope.
2. Discuss the clinical features, evaluation and management of unstable angina.

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

1. Treatment for elderly Depression.
2. Minimal cognitive impairment, evaluation and treatment.
3. How will you address caregiver stress in Dementia?
4. Antipsychotics - its uses and side effects in elderly.
5. How will you evaluate and treat an elderly patient with vertebral secondaries and unknown primary?
6. Subclinical hypothyroidism in elderly.
7. Evaluation of Anaemia.
8. Uses and limitations of Electrocardiogram in Acute Coronary Syndromes.
9. Discuss the causes of jaundice in an elderly person and their management.
10. Hyponatremia.

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[LM 161]

**MAY 2018**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code :202056***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. The etiopathogenesis, clinical manifestations, diagnostic algorithm and management of a patient with malabsorption.
2. Multisystem atrophy – clinical features, types, diagnosis, prognosis and treatment.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Screening for breast, colorectal and cervical cancers – what is the target population, the tests available, and the sensitivity and specificity of each of the tests, and the guidelines for screening?
2. Treatment of behavioural problems in dementia.
3. Diastolic dysfunction – clinical presentation, diagnosis and treatment options.
4. Biomarkers associated with atherosclerosis.
5. Ankle brachial index and toe pressures – indications, assessment and interpretation.
6. What are the stages of Hypertension according to JNC 8? What is the recommendation of JNC 8 with regards to the target blood pressure to be achieved in people over the age of 60 years?
7. Obstructive sleep apnoea – clinical features, associated co morbidities, laboratory tests, management and prognosis.
8. Discuss the clinical features, diagnostic criteria, differential diagnosis and treatment of heat stroke.
9. Hypercalcemia – causes, evaluation and management.
10. Differentiating features of Delirium, Depression and Dementia.

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[LO 161]

**MAY 2019**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code: 202056***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Management of idiopathic Parkinsons disease.
2. Conservative management of chronic kidney disease in the elderly.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Role of Beta blocker in heart failure.
2. Prevention and Management of influenza.
3. Dose and regime of MDR Tuberculosis.
4. Serotonin syndrome.
5. Major side effects of low dose Methotrexate.
6. Tumour lysis syndrome.
7. Wernicke encephalopathy.
8. Confusion assessment method for diagnosis of delirium.
9. Rhabdomyolysis.
10. Diagnosis and Management of clostridium difficile.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code: 202056***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Etiopathogenesis, clinical features, differential diagnosis and management of pleural effusion in a 70 years old Male person.
2. Discuss in detail the Etiology, clinical features and management of chronic cardiac failure.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Lacunar stroke.
2. Late life psychotic disorders.
3. Management of ARDS.
4. Parenteral nutrition.
5. Post fall syndrome.
6. Atrial fibrillation.
7. Essential Tremors.
8. Depression.
9. Senile emphysema.
10. Thrombocytopenia.

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[LQ 161]

**AUGUST 2020  
(MAY 2020 SESSION)**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION  
BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code: 202056***

**Time : Three Hours**

**Maximum : 100 Marks**

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

1. Mention the types of shock. Describe the aetiology, pathogenesis and treatment of septic shock.
2. Mood disorders in late life.

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

1. Transient ischemic attack.
2. Hyponatremia.
3. Tachyarrhythmias.
4. Respiratory failure.
5. Myelodysplasia.
6. Management of gout.
7. Refractory Ascitis.
8. Management of Acute Kidney injury.
9. Non pharmacological management of behavioural disturbances in Dementia.
10. Gene expert test.

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[MD 0721]

**JULY 2021**  
**(MAY 2021 SESSION)**  
**M.D. DEGREE EXAMINATION**

**Sub. Code: 2056**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code: 202056***

**Time : Three Hours**

**Maximum : 100 Marks**

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

1. Epidemiology, etio-pathogenesis, clinical features and management of Paget's disease.
2. Give an account of anxiety disorders and its management.

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

1. Post acute management of traumatic brain injury.
2. Antidepressant medication in late life depression.
3. Late onset schizophrenia.
4. Non pharmacologic management of agitated older individuals.
5. Suicide risk assessment.
6. Cluster headache.
7. Drug induced parkinsonism.
8. Diastolic dysfunction.
9. MDR TB.
10. Renal replacement therapy.

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

**[MD 0522]**

**MAY 2022**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code: 202056***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Etiology, diagnosis and management of Multiple myeloma.
2. Etiology, pathogenesis and management and complications of Decompensated chronic liver disease in elderly.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Obsessive compulsive disorder.
2. Subarachnoid haemorrhage.
3. Procalcitonin.
4. Extra articular manifestation of Rheumatoid arthritis.
5. Cognitive behavioural therapy.
6. Newer anticonvulsants.
7. Aortic stenosis.
8. Hepato-renal syndrome.
9. Gastro-esophageal Reflux disease.
10. Acute kidney injury.

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

**[MD 0723]**

**JULY 2023  
(MAY 2023 EXAM SESSION)**

**Sub. Code: 2056**

**M.D. DEGREE EXAMINATION**

**BRANCH XVI – GERIATRICS**

**PAPER II – GENERAL MEDICINE INCLUDING PSYCHO GERIATRICS**

***Q.P. Code: 202056***

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Etiopathogenesis, diagnosis and management of Chronic Kidney Disease.
2. Behavioral and Psychological symptoms of Dementia - etiology, symptoms, investigations and management.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Cardiorenal syndrome.
2. Pseudogout.
3. PTH independent hypercalcemia.
4. Levodopa.
5. Acute Type 2 respiratory failure.
6. Alcoholic hepatitis.
7. Electroconvulsive therapy in older adults.
8. Rapid Eye Movement (REM) sleep behavioural disorder.
9. Refeeding syndrome.
10. Scrub typhus.

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