



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Master's Degree Examination – May 2025

II Semester

Class : I PG

Major : Food Service Management and Dietetics

Time: 3 Hours

Max. Marks: 100

23MFDC11 Advanced Dietetics II

Course Outcomes:

CO1: Explain the etiology and pathophysiology of metabolic and degenerative diseases.

CO2: Infer knowledge on the role of diet therapy during the various diseases.

CO3: Transfer the knowledge in planning diets with disease conditions .

CO4: Create counselling aids and process on the dietary management of the metabolic and degenerative diseases.

CO5: Design CAI for Diet planning and counselling process

Part A

10 x 1 = 10

Choose the Correct Answer

- Find the hormone which is associated with appetite regulation and fat storage in obesity. CO1K1
a. Insulin b. Leptin c. Glucagon d. Adrenaline
- Pick out the uncommon symptoms of hypothyroidism. CO1K1
a. Weight gain b. Hair loss c. Heat intolerance d. Fatigue
- The virus commonly associated with the development of type 1 diabetes is CO2K1
a. Hepatitis - C b. Coxsackie virus c. Epstein-Barr virus d. Human papiloma virus
- One fat exchange contains _____ of fat. CO2K1
a. 5 g b. 10 g c. 15 g d. 20 g
- The drug commonly used to treat hyperlipidemia is CO3K2
a. Statins b. Beta-blockers c. ACE inhibitors d. Diuretics
- Identify the most commonly associated complication of arteriosclerosis. CO3K2
a. Osteoporosis b. Cirrhosis c. Glaucoma d. Myocardial infarction
- The diagnostic test most commonly used to detect glomerulonephritis is CO4K1
a. Liver function test b. CT scan c. Endoscopy d. Urine analysis
- Uremia is most commonly associated with CO4K1
a. Acute kidney failure b. Chronic kidney failure c. Liver cirrhosis d. Gall bladder stones
- Which type of cancer affects blood-forming tissues? CO5K2
a. Sarcoma b. Lymphoma c. Melanoma d. Leukemia
- Pick out the Initial symptoms of HIV infection. CO5K1
a. Severe diarrhoea b. Joint pain c. Skin rash d. Flu-like symptoms

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Write a brief note on energy restricted and formula diet. CO1K2
(or)
- 11.b. Brief on hypothyroidism and GOUT. CO1K2

- 12.a. Classify and explain the pathophysiology of Diabetes Mellitus. CO2K3
(or)
12.b. Review on non-nutritive sweeteners. CO2K2
- 13.a. Illustrate the risk factors of cardiovascular disease. CO3K3
(or)
13.b. Explain the role of fats and low sodium diets in CVD. CO3K4
- 14.a. Describe Nephrosis and its contributory factors. CO4K4
(or)
14.b. Discuss about kidney transplantation. CO4K3
- 15.a. Narrate the etiology of cancer. CO5K2
(or)
15.b. Explain the use of technology in diet counseling. CO5K3

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Classify and give a detailed note on etiology and complications of obesity. CO1K3
(or)
16.b. Explain in detail the etiology, risk factors and dietary management of underweight. CO1K4
- 17.a. Illustrate the clinical symptoms and types of insulin for Diabetes mellitus. CO2K4
(or)
17.b. Describe the dietary management of Diabetes Mellitus and food exchange list. CO2K4
- 18.a. Explain in detail on pathology and epidemiology of atherosclerosis. CO3K4
(or)
18.b. Examine the dietary regimen for acute and chronic cardiac disease. CO3K4
- 19.a. Explain in detail the impact of dietary modification in acute and chronic glomerulonephritis. CO4K4
(or)
19.b. Describe about dialysis and Intra dialytic parenteral nutrition. CO4K4
- 20.a. Discuss the risk factors and nutritional implications of cancer. CO5K5
(or)
20.b. Explain the dietary management and diet counseling for AIDS. CO5K5
