

TILAK MAHARASHTRAVIDYAPEETH, PUNE
M.SC. IN NUTRITION & FOOD SCIENCE
EXAMINATION : DECEMBER - 2023
THIRD SEMESTER

Sub. : Medical Nutrition Therapy Part-II (M Sc. CB-314)

Date: 09/12/2023

Total marks: 60

Time: 10.00 am to 12.30 pm

Instructions:

- 1) All questions are compulsory and carry equal marks.
- 2) Any kind of misconduct is punishable.

Q. 1 Fill in the right answer (10)

1. Polycyclic Aromatic Hydrocarbons (PAHs) from _____ are potent carcinogens.
 - a) smoked meat
 - b) blanched veg
 - c) tomato sauce
 - d) None of these
2. _____ contains a potent hypertensive agent.
 - a) Licorice
 - b) Spinach
 - c) Garlic
 - d) Sesame seeds
3. _____ diet is necessary for recovery from burns injury.
 - a) High fat
 - b) High protein
 - c) High Fe
 - d) None of these
4. _____ is thought to play an important role in HIV disease progression even after HAART admission.
 - a) Se deficiency
 - b) Oxidative stress
 - c) Zn deficiency
 - d) All of the above
5. _____ is associated with healthy slow GFR decline.
 - a) Animal based diet
 - b) Plant based diet
 - c) High cal diet
 - d) None of the above
6. _____ contain glycated chemicals that markedly augment insulin resistance.
 - a) Soft drinks (HFCS)
 - b) Hard drinks
 - c) Tea and coffee
 - d) Fruit juices
7. _____ is well known as an inflammatory rheumatic disease presenting with arthritis and abnormal metabolism of uric acid.
 - a) RA
 - b) Gout
 - c) OA
 - d) None of these
8. The Western diet, with high intake of red meat, saturated and trans fats and high consumption of refined carbohydrates, has been associated with an increased _____ risk.
 - a) RA
 - b) Gout
 - c) OA
 - d) None of these

9. _____ requirement increases during hemodialysis.
- a) Protein
 - b) Carbohydrate
 - c) K
 - d) Ca
10. The _____ diet assumes a very high-fat and low-carbohydrate diet, reducing carbohydrate to less as 10% of used energy
- a) Ketogenic
 - b) MIND
 - c) DASH
 - d) None of these

Q. 2 Answer the following questions (Any 2) (30)

1. Explain in detail pathology and etiology behind CAD, and medical nutrition therapy for the same along with functional foods from Ayurveda.
2. Explain in detail pathology and etiology behind type 2 DM, and medical nutrition therapy for the same along with functional foods from Ayurveda.
3. Explain in detail pathology and etiology behind CKD, and medical nutrition therapy for the same along with functional foods from Ayurveda.

Q. 3 Write Short Note (Any 4) (20)

1. Keto diet for epilepsy
 2. DASH diet for HTN
 3. MIND diet for Alzheimer's Disease
 4. Role of fat in cardiovascular health
 5. Role of fiber in human nutrition with special reference to diabetes and colon cancer.
 6. Insulin and diet
-