

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore – 641 043**

**Master's Degree Examination – November 2017
III Semester**

**Class : II PG
Major : Food Science and Nutrition**

**Time: 3 hours
Max. Marks: 60**

**Interdisciplinary Course – II
12MFNI02 Nutritional Management for Degenerative and Metabolic Diseases
Part A 10 x 1/2 = 5**

Choose the correct answer

1. Which of the following is the "silent killer" because it usually has no symptoms?
a) high cholesterol b) stroke c) high blood pressure d) haemophilia
2. Hypoglycemia does **not** stimulate the secretion of _____.
a) Epinephrine b) Cortisol c) Growth hormone d) Insulin
3. Heme is converted to bilirubin mainly in the _____.
a) Kidneys b) Liver c) Spleen d) Bone marrow
4. Cancer cells are
a) BHK b) Veo c) HL-8 d) hela cells
5. Untreated hyperglycemia may lead to all of the following complications except:
a) Hyperosmolar syndrome b) Vitiligo c) Diabetic ketoacidosis
d) Coma
6. Cancer cells can easily be destroyed by radiation due to
a) fast mutation b) rapid cell division c) lack of mutation
d) lack of oxygen
7. The risk factors for type 1 diabetes include all of the following except:
 a) Diet b) Genetic c) Autoimmune d) Environmental
8. Diabetics are at increased risk of heart disease if they also:
a) Smoke b) Have high HDL cholesterol levels
 c) Take aspirin d) Consume a high-fiber diet
9. The most well-known risk factor for Alzheimer's disease is
a) increasing age b) depression c) family history of the disease
 d) both of the above
10. With Alzheimer's disease, the time from diagnosis to end of life
a) can be as little as 3 years b) may be as long as 10 years or more
 c) both of the above d) depression

Part-B

5x4=20

Answer ALL questions

Answer should not exceed 200 words or one page

- 11(a) what are the principles of therapeutic diets?
(or)
(b) List out the degenerative and metabolic diseases?
- 12(a) Write about the types of Diabetes mellitus?
(or)
(b) What are the complications of Diabetes mellitus?
- 13(a) Write short note on Atherosclerosis?
(or)
(b) What are the dietary management of Hypertension?
- 14(a) Write about Phenylketonuria?
(or)
(b) Write about the etiology of cancer?
- 15(a) what are the causes and symptoms of Alzheimer's disease?
(or)
(b) Write short note on Rheumatoid Arthritis?

Part-c

5x7=35

Answer ALL questions

Answer should not exceed 600 words or three pages

- 16(a) Explain in detail about the modification of normal diet into therapeutic diets?
(or)
(b) Write about any three metabolic disease in detail?
- 17(a) Describe the types and symptoms of Diabetes mellitus?
(or)
(b) Write in detail about the physical activities and mode of treatment in Diabetes mellitus?
- 18(a) Explain in detail about the types and diet therapy for hyperlipidemia?
(or)
(b) Define Heart failure? Explain the signs and symptoms diet therapy for Heart failure?
- 19.(a) Define cancer? Explain the role of functional foods in prevention of cancer?
(or)
(b) Write in detail about the causes, signs and symptom, diagnosis of fructosuria?
- 20(a) Explain the overview of Alzheimer and Parkinson diseases?
(or)
(b) Write in detail about the causes, symptoms diet therapy of osteoporosis?
