



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – FOOD CHEMISTRY AND FOOD PROCESSING

SECOND SEMESTER – APRIL 2019

17/18PFP2ES02– MANAGEMENT OF LIFESTYLE DISEASES

Date: 11-04-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

Part A

Answer all the questions.

10x2=20 marks

1. What are the two main dimensions of health?
2. List the hormones and transporters involved in blood glucose maintenance.
3. What are epidemic and pandemic diseases? Give examples.
4. Give the classification of hypertension.
5. Define Atherosclerosis.
6. Mention the risk factors involved in cancer cell progression.
7. Distinguish between the 'latent' and 'incubation' period of an infection.
8. What is drug-nutrient interaction?
9. List the various hormonal changes accompanied during aging.
10. How do beans and lentils act as age protecting diet components?

Part B

Answer any eight questions.

8x5=40 marks

11. What are the risk factors for non- communicable diseases? Give the classification of risk factors with suitable examples.
12. Explain with any two suitable examples the difference between nutritional and medical diagnosis of a disorder.
13. Write a note on the PES statement in nutritional diagnosis of diseases.
14. Differentiate communicable and non communicable diseases.
15. What are the various categories of the nutrition intervention process?
16. Mr.Ramesh aged 42 years is a banker with lots of responsibilities. He has complaints of frequent thirst and urination. He is a social drinker and a smoker. He eats frequently in restaurants and has no time to exercise. As a dietetic professional write a PES statement for the condition.
17. Compare the nutritional significance of human milk and cow's milk.
18. What is the pathophysiology of nonalcoholic fatty liver disease (NAFLD)?
19. Write a note on nutrient-drug interaction with two examples.
20. Describe in detail various physiological changes observed during aging.
21. What is called ectopic fat? Describe any two methods used to measure the same.
22. How do cardiovascular drugs and antibiotics interact with food components?

Part C

Answer any four questions.

4x 10=40 marks

23. Enumerate the dietary management of peptic ulcer.
24. Discuss hypertension under the following heads:
- A. Definition of hypertension (2 marks)
 - B. Classification of hypertension (3 marks)
 - C. Principles of nutrition therapy (5 marks)
25. Discuss the following aspects of non-communicable diseases (NCDs)
- A. Types of NCDs (3 marks)
 - B. Characteristics of NCDs (3 marks)
 - C. Risk factors of NCDs (4 marks)
26. Describe the nutrition assessment process with suitable examples.
27. A. Explain the advantages and disadvantages of any five noninvasive methods for measuring body composition of humans. (5 marks)
- B. Describe in detail the nutritional needs of adulthood. (5 marks)
28. A. How does grape fruit juices interact with various drugs? (4 marks)
- B. List out various factors affecting the physiological interaction of drug and nutrients. (6 marks)
