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Question Paper Code : 41515

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2024.

Seventh Semester

Civil Engineering

OBT 356 — LIFESTYLE DISEASES

(Common to : Aeronautical Engineering/Aerospace Engineering/Automobile Engineering/Biomedical Engineering/Computer Science and Design/Computer Science and Engineering/Computer Science and Engineering (Artificial Intelligence and Machine Learning)/Computer Science and Engineering (Cyber Security)/Computer and Communication Engineering/Electrical and Electronics Engineering/Electronics and Communication Engineering/Electronics and Instrumentation Engineering/Electronics and Telecommunication Engineering/Environmental Engineering/Geoinformatics Engineering/Industrial Engineering/Industrial Engineering and Management/Instrumentation and Control Engineering/Manufacturing Engineering/Marine Engineering/Materials Science and Engineering/Mechanical Engineering/Mechanical and Automation Engineering/Mechatronics Engineering/Medical Electronics/Petrochemical Engineering/Production Engineering/Robotics and Automation/Safety and Fire Engineering/Agricultural Engineering/Artificial Intelligence and Data Science/Chemical Engineering/Chemical and Electrochemical Engineering/Computer Science and Business Systems/Fashion Technology/Food Technology/Handloom and Textile Technology/Information Technology/Petrochemical Technology/Petroleum Engineering/Pharmaceutical Technology/Plastic Technology/Textile Chemistry/Textile Technology)

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the risk factors associated with life style disease.
2. What is illicit drug?
3. Mention different types of cancer.
4. What are the causes of mouth cancer?
5. Define coronary atherosclerosis?
6. What are the causes of coronary artery disease?
7. What is Type II diabetes?
8. What is Body Mass Index?
9. List out the causes of Asthma.
10. Write a note on Chronic Obstructive Pulmonary Disease.

PART B — (5 × 13 = 65 marks)

11. (a) Explain, how the diet and exercise avoid the risk factors of life style diseases.

Or

- (b) Illustrate various risk factors of life style diseases with suitable example.

12. (a) Write a detailed note on Skin cancer and its types.

Or

- (b) Describe the causes and treatment of Lung cancer.

13. (a) Explain the recent advancement in the diagnosis of Coronary Artery Disease.

Or

- (b) Explain how the fat, lipids and alcohol increase the risk of cardio vascular diseases.

14. (a) Elaborate on blood glucose regulation and the mechanism behind the regression of diabetes.

Or

- (b) Explain the different ways of weight control in paediatric and adolescent obesity.

15. (a) Write a detailed note on chronic lung diseases and its types.

Or

- (b) Explain the importance and procedure involved in the pulmonary function test.

PART C — (1 × 15 = 15 marks)

16. (a) Explain various risk factors, when the use of illicit drugs, use of tobacco and smoking. Add a note on cardiac rehabilitation.

Or

- (b) Summarize on cervical cancer and oesophagus cancer and discuss its causes, diagnosis, treatment and preventive measures.
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