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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 —  $(10 \times 2 = 20 \text{ marks})$ 

- 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 — $(5 \times 13 = 65 \text{ marks})$

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 — $(1 \times 15 = 15 \text{ marks})$

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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