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**Question Paper Code : 81813**

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2025.

Seventh/Ninth 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 Engineering (Sandwich)/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. Define Life style disease.
2. What is obesity?
3. Define cancer.

4. Mention different types of cancer.
5. Name some cardiovascular diseases.
6. Mention any two causes of cardiovascular disease.
7. Define Diabetes
8. Mention the different types of diabetes.
9. What is chronic lung disease?
10. Mention the causes of asthma.

PART B — (5 × 13 = 65 marks)

11. (a) Explain various risk factors of Life style diseases with suitable example.  
Or  
(b) Describe the preventive measures to avoid life style diseases.
12. (a) Write in detail about diagnosis and treatment of lung cancer.  
Or  
(b) Write the causes, diagnosis and treatment of mouth cancer.
13. (a) Write a detailed note on Coronary artery disease.  
Or  
(b) Explain how Electrocardiograph and Echocardiograph useful in heart diseases?
14. (a) Explain various methods to regulate the blood glucose level.  
Or  
(b) What are complications of Diabetes? Add a note on weight control and BMI.
15. (a) Write a detailed note on Chronic Obstructive Pulmonary Disease.  
Or  
(b) Explain the causes of respiratory disease and explain their diagnosis.

PART C — (1 × 15 = 15 marks)

16. (a) Explain in detail about causes, diagnosis and treatment of skin cancer.  
Or  
(b) Describe various pulmonary function tests along with procedure and their interpretation.