

Roll No

CE-7003 (CBGS)

B.E. VII Semester

Examination, November 2019

Choice Based Grading System (CBGS)

Modern Construction Technique and Equipment

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Write a note on membrane materials. 7
b) What are the different types of wall finishes. 7
2. a) What are the advantages and disadvantages of using glazed brick. 7
b) Enlist the various properties of plastics as a construction material. 7
3. a) What do you understand by precast concrete. Describe precast concrete process. 7
b) What is soil stabilization. Discuss soil stabilization using lime and bitumen. 7
4. a) What is Piling Hammer? Write down advantages and disadvantages of different types of hammer piling. 7
b) Discuss any three conveyors-hauling equipment. 7
5. a) What are the applications of smart materials in construction. 7
b) What is sensing technology? Describe types of sensors with their functions. 7

6. a) Describe the drilling and blasting process in construction. What are the compaction and erection equipments used in construction? 7
- b) Enlist different commercial forms of glass. 7
7. a) Enlist and discuss different machinery tools for soil excavation. 7
- b) Describe the application, advantages, disadvantages of self-cleaning concrete. 7
8. Write short notes on: 14
- i) Terrazzo flooring
 - ii) Epoxy and polyurethane
 - iii) Tunnel Boring Machine
 - iv) Recyclability of Aluminium
