Reg. No. : | | | | | | | | | | |

Question Paper Code: 53102

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Third Semester

Civil Engineering

15UCE302 -ENGINEERING GEOLOGY AND CONSTRUCTION MATERIALS

(Regulation 2015)

Duration: One hour Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Name the types of rocks which deposit and accumulate minerals in the strata's CO1- R

   (a) Igneous rocks (b) Metamorphic rocks (c) Sedimentary rocks (d) Soft rocks

2. The study about movement of Earth plate is called CO1- R

   (a) Lithification (b) Continental drift (c) Plate tectonics (d) Plate stratification

3. Bedded structure exists in which of the following rocks CO2- R

   (a) Sedimentary (b) Extensive igneous (c) Metamorphic (d) Intensive igneous

4. Which of the following is Coarse grained Igneous rock CO2- R

   (a) Pegmatite (b) Quartzite (c) Shale (d) State

5. A good quality stone must absorb water less than CO3- R

   (a) 2.5% (b) 5% (c) 10% (d) 15%

6. The colour of the brick is due to CO3- R

   (a) Iron oxide (b) Silica (c) Magnesia (d) Alumina

7. Initial setting time of Cement is CO4- R

   (a) 10 minutes (b) 30 minutes (c) 50 minutes (d) 40 minutes

8. Falkiness index test is done for CO4- R

   (a) Sand (b) Rocks (c) Coarse aggregates (d) Cement

9. Which of the following is an example of Soft Wood CO5- R

(a) Sal (b) Oak (c) Deodar (d) Mahogany

10. What is the life time of a moderately durable Timber CO5- R

(a) 1-5 Years (b) 5-15 Years (c)10- 15 Years (d) 5-10 Years

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11.	Summarize the classification of Igneous rocks and Metamorphic rocks	CO1- U	(8)
12.	Explain the interior structure of the Earth and its composition with neat sketches.	CO2- U	(8)
13.	What are the tests conducted on stones. Explain any one in detail.	CO3- U	(8)
14.	Discuss the manufacturing process of Cement with flow diagram and sketches..	CO4- U	(8)
15.	List the varieties of Industrial Timber available in market. Explain any one in detail.	CO5- U	(8)