| | Question Paper Code | :50262 | |
|---------------------|--|---|------|
| B.E./B.Tech. | DEGREE EXAMINATION, NOVEN Fourth Semester Civil Engineering CE 6401 – CONSTRUCTION MA (Common to: Environmental Eng (Regulations 2013) | TERIALS | |
| Time : Three Hour | rs og tredt han leste to kom tests tred ha | Maximum · 100 N | Mark |
| | Answer ALL questions. | | |
| (8) | PART – A | (10×2=20 M | arks |
| 1. What are the us | ses of stone in construction ? | ii) Write a short note on | |
| 2. List out the typ | es of bricks for special use. | i Explain the classificat | |
| 3. Write the grade | | | |
| 4. What do you un | derstand by bulking of sand? | | 2 |
| 5. State the functi | ons of coarse aggregate in a concrete. | | |
| 6. Write the formu | ıla for flow percent. | | |
| 7. Enumerate the | various market forms of timber. | | |
| 8. List out the var | ious test on bitumen. | | |
| 9. What is meant | htt coolont 7 | Describe the various app works. And also caplato ; | |
| 10. Write the prope | | | |
| | PART – B | (5×13=65 M | arks |
| 11. a) Describe va | rious characteristics of good building s | | |
| | (OR) | tones. | (13) |
| b) Explain in d | letail about the manufacture process o | f conventional bricks with | |
| neat sketche | es. | | (13) |

| 502 | | | |
|--------|----|--|--|
| 12. a | a) | What are tests to be conducted for cement? Explain an | y two tests in detail. (13) |
| | | (OR) | Quest |
| 1 | b) | Describe various methods for testing of conventional of | coarse aggregate. |
| | | Discuss any two tests in detail. | MARCHEL AND EAST (13) |
| 13. a | a) | Explain in detail about manufacturing process of cond | crete. (13) |
| | | (OR) | |
| 1 | b) | Explain the procedure of compressive and split tensile | e strength of hardened |
| | -/ | concrete with neat sketch. | (13) |
| 14. | a) | Discuss the various types of heat treatment of steel an | nd their purpose. (13) |
| | -, | (OR) | id their purpose. (15) |
| | | Answer at Depositions | |
| (anti- | | i) Discuss the reasons for the causes of defects in pair | |
| | | ii) Write a short note on varnishes. | note to even suff ere tad W (5) |
| 15. a | a) | i) Explain the classification of glass. | (6) Last out the types of orich |
| | | ii) Discuss the various factors you considered for choo | osing floor tiles. (7) |
| | | (OR) | |
| 1 | b) | Explain the following: | |
| 3 | | 3 P | 7. Write the formula for flow |
| | | ii) Composite materials | n suociavadi uteramună |
| | | PART - C | (1×15=15 Marks) |
| 16 | a) | Describe the various applications of geotextiles in geo | technical engineering |
| | ~, | works. And also explain the properties of geotextiles. | (15) |
| | | (OR) | |
| | b) | Explain the following: | |
| | | i) Light weight concrete | |
| | | III FIDTO TOINTOTCON CONCESTO | |
| | | iii) Self-compacting concrete. | (3×5=15 Marks) |
| | | at the namities use process of conventional bracks with | Skplata in detail agot Deut sketches |
| | | | |
| | | | |
| | | | |