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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year I Semester Supplementary Examinations December-2021

INTRODUCTION TO CIVIL ENGINEERING

(Civil Engineering)

Time: 3 hours

Max. Marks: 60

PART-A

(Answer all the Questions 5 x 2 = 10 Marks)

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|---|---|--|----|----|
| 1 | a | What is a green building? | L2 | 2M |
| | b | What are the functions of Foundation? | L1 | 2M |
| | c | What are the different types of floors? | L1 | 2M |
| | d | What are requirements of a good stair? | L1 | 2M |
| | e | Write any four applications of building byelaws. | L2 | 2M |

PART-B

(Answer all Five Units 5 x 10 = 50 Marks)

UNIT-I

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| 2 | Explain briefly about the civil engineering. Explain about Photogrammetry & Remote sensing and GIS. | L2 | 10M |
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OR

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| 3 | What is the role of civil engineering in the development of a nation? | L2 | 10M |
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UNIT-II

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| 4 | Differentiate between English bond and Flemish bond with sketches. | L1 | 10M |
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| 5 | Explain about foundation failures and the remedial measures for foundation failures. | L2 | 10M |
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UNIT-III

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| 6 | Mention the types of roofs. Explain with neat sketch King post and Queen post roofs. | L1 | 10M |
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| 7 | What is a window? What are the different considerations taken for the selection of window and also explain types of windows? | L2 | 10M |
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UNIT-IV

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| 8 | What are the types of staircases? Draw the sketch and explain the components of a stair. | L1 | 10M |
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OR

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| 9 | What is plastering? What are the defects in plastering and their remedies? | L2 | 10M |
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UNIT-V

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| 10 | Explain the importance of building bye laws? What is meant by aspect, prospect, circulation and grouping? Explain its importance? | L2 | 10M |
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OR

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| 11 | Explain the role of roominess and grouping in planning a residential building? Give some examples. | L2 | 10M |
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END