

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)

CLASS: BARCH
BRANCH: ARCHITECTURE

SEMESTER: VIII
SESSION : SP/2019

SUBJECT : AR8305 ADVANCED LANDSCAPING

TIME: 1.5 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 30.
 2. Candidates may attempt for all 30 marks.
 3. In those cases where the marks obtained exceed 25 marks, the excess will be ignored.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. The missing data, if any, may be assumed suitably.
 6. **Nothing should be written on front or back of the question paper except tick marking.**
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- Q1 (a) How the natural landscape is modified through different phases of history? [2]
(b) Explain the importance of natural landscape and tourism in the context of sustainability. [3]
- Q2 (a) What do you understand by contour line and contour number? [2]
(b) Explain ridge, valley, summit, depression, runoff and rock outcrops. How do you plan these features in contour map? [3]
- Q3 (a) What is landscape perception? [2]
(b) Explain prospect refuge theory in landscape design. [3]
- Q4 (a) What is site grading? Draw three basic grading symbols with their abbreviation. [2]
(b) Explain how the volume of “cut and fill” is calculated by grid pattern method. [3]
- Q5 (a) ‘Landforms’ in landscape design has numerous advantages. Illustrate with sketches. [2]
(b) Explain the role played by trees in landscape. Give one example of any three trees with botanical name: [3]
I. Avenue Tree
II. Flowering Tree
III. Accent Tree
iv. Columnar Tree
- Q6 (a) Define and differentiate the term “soil texture” and “soil structure” and describe in brief the role of these attributes on the physical properties of soils. [2]
(b) What is soil conservation and what are various techniques to conserve it? [3]