

B.arch 3 rd sem

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-231, SUBJECT NAME: BUILDING CONSTRUCTION AND MATERIALS-II

Instructions:

1. Write the responses to the assignments in your own handwriting.
2. Submit the responses to your HOD within due date.
3. Write your name and enrolment number clearly at the top of the pages.

QUES. 1.

- a. What are the properties and characteristics of composite roof slab?
- b. Explain flooring materials.

QUES . 2.

- A) What are trusses? Explain with suitable sketches.
- B) How many types of trusses are used?

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-232, SUBJECT NAME: SITE PLANNING

Instructions:

1. Write the responses to the assignments in your own handwriting.
2. Submit the responses to your HOD within due date.
3. Write your name and enrolment number clearly at the top of the pages.

QUES. 1.

- a) What is the importance of site analysis?
- b) What are the different factors involved?

QUES . 2.

- a) What is the procedure of preparation of ecological profile of an area ?
- b) What is biodiversity?

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-233, SUBJECT NAME: STRUCTURE ANALYSIS

Instructions:

1. Write the responses to the assignments in your own handwriting.
2. Submit the responses to your HOD within due date.
3. Write your name and enrolment number clearly at the top of the pages.

QUES. 1.

- A) Explain different types of load.
- B) Explain Rankine's Euler's theorem.

QUES . 2.

- A) What is propped cantilever beam and explain.
- B) Draw bending moment diagram fixed beams continuous beam.

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-234, SUBJECT NAME: ARCHITECTURAL GRAPHICS

Instructions:

4. Write the responses to the assignments in your own handwriting.
5. Submit the responses to your HOD within due date.
6. Write your name and enrolment number clearly at the top of the pages.

QUES. 1.

- a. Sketch a scenario of a road having high rise buildings on its side.

- b. Render it using rotring ink.

QUES . 2.

- a. Sketch a two point perspective of the interior of a living room .
- b. Render it using suitable mediums.

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-235, SUBJECT NAME: EUROPEAN ARCHITECTURE

Instructions:

1. Write the responses to the assignments in your own handwriting.
2. Submit the responses to your HOD within due date.
3. Write your name and enrolment number clearly at the top of the pages.

QUES. 1.

- a) Write about the birth of renaissance.
- b) Explain its impact on architectural style of Early Renaissance?

QUES . 2. .

- a. What were the characteristics of Italian Romanesque Architecture ?
- b. Describe features of Pisa Cathedral using suitable sketches.

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-236, SUBJECT NAME: APPLIED VISUAL ARTS

Instructions:

1. Write the responses to the assignments in your own handwriting.
2. Submit the responses to your HOD within due date.
3. Write your name and enrolment number clearly at the top of the pages.

QUES. 1.

- a. Sketch 5 trees of heavy foliage standing in a row along a road.
- b. Render it using rotring ink.

QUES . 2.

- a. Draw a one point perspective of a corridor of your college campus.
- b. Render it with suitable medium.

Assignment No-1

Submission date: 10 Nov. 2016

Course: BARC-237, SUBJECT NAME: ARCHITECTURAL DESIGN-III

Instructions:

1. Write the responses to the assignments in your own handwriting.
2. Submit the responses to your HOD within due date.
3. Write your name and enrolment number clearly at the top of the pages.

QUES. 1. Design a small residence for four people. Site dimensions are 35m x 30 m. South side of the plot faces a 9m wide road. Open green area in the north side. East and West side is community residences.

Designing should be done keeping in mind the real needs of client and society. Usage of optimum spaces is the key. Design a home fulfilling the basic needs of a family.

Leave a minimum setback of 1m from all sides and 1.2m from the front. Consider the orientation and climatic factors. Stress on organic style.

Requirements :

- Plan
- 2 Sections
- 2 Elevations
- Details and Views

