

ASSIGNMENT NO: 01

COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-111, SUBJECT NAME: DESIGN STUDIO-I

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 kiosk for the University of Dimension 2.5mX3 M.

- A) With proper layout , furniture within , dimensions, plans, elevations and section
- B) Material specified for the elevation and roof.

QUES. 2. Design a bus stand for the university on main road

- A) With proper dimensions, plans ,elevations and section
- B) Material specified for the structure.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-112, SUBJECT NAME: CONSTRUCTION TECHNOLOGY –I

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 the uses and the properties of the given materials with sketches
- i) Timber, non- ferrous metals, glass, mud
- B) What is plastering and suggest best material for plastering.

QUES. 2.

- A) Write and explain different terminologies related to brick work.
- B) Draw different types of brick masonry.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-113, SUBJECT NAME: TECHNICAL DRAWING

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) Draw different types of lines and explain their use in drawing presentation.
- B) Construct a triangle of base 3cm and two sides of 4.5cm.

QUES . 2.

- A) Write letters from A to Z of height 3cm.
- C) Draw a semicircular arch and segmental arch.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-114, SUBJECT NAME: GRAPHIC PRESENTATION-I

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 colour theory with the help of colour wheel.
- B) Draw a 2D composition using square, triangle, circle and rectangle.

QUES . 2.

- B) Draw a 3D composition of using pyramid, sphere, cuboids, 2 cubes and one paint brush with ink pot.
- D) Write and explain the principles of design with the help of sketches.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-115, SUBJECT NAME: COMMUNICATION TECHNOLOGY-I

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) fill in the blanks with correct article.

- i) New York is large city.
- ii) Are you attending Reception today.
- iii) She wants to become engineer.
- iv) lion is a ferocious animal.

B) Write 10 sentences using connectors And, But, Or, Nor, Though, Although, If, Unless, Otherwise, because, as, Therefore and So

QUES. 2.

- A) Write a letter to the HOD to go for a case study of a petrol pump.
- B) Explain different types of letter writing.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-116, SUBJECT NAME: HUMANITIES

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 do you understand by Mesopotamian civilization? Explain its origin and importance in history of architecture.
- B) Explain architecture and influence of Vedic period in India.

QUES. 2.

- A) Write a short note on Indus valley civilization explaining its characteristics features with respect to architecture.
- B) Explain and sketch different types of prehistoric shelters.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 1ST YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-117, SUBJECT NAME: ENVIRONMENTAL SCIENCE-I

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 ecosystem and explain different types of ecosystem.
- B) What is the role of an architect in conservation of a biodiversity?

QUES. 2.

- A) Write Definition, Causes, effects and control measures of Thermal pollution and nuclear pollution.
- B) What is the role of biodiversity at global, national and local levels?

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 2ND YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-231, SUBJECT NAME: SURVEYING AND LEVELLING

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 chain surveying method with proper sketching.
- B) What are the two methods used in reducing the levels of a land.

QUES. 2.

- A) What are the levelling procedures?
- B) How to check the levels accuracy? Explain through sketches.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 2ND YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-232, SUBJECT NAME: CONSTRUCTION AND TECHNOLOGY-III

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) What are the types of slab explain with sketches?
- B) How many types of foundation in construction? Explain each.

QUES . 2.

- A) What do you understand by expansion joint and contraction joint in a building?
- B) Define various types of insulating materials and its use.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 2ND YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-233, SUBJECT NAME: STRUCTURE-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) Define pre-stressed concrete and its methodology.
- B) Write basic concepts of pre-stressing systems?

QUES . 2.

- A) What are shell structures? Explain with sketches.
- B) What do you understand by pneumatic structures?

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 2ND YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-234, SUBJECT NAME: CONTEMPORARY ARCH.

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 Egyptian architecture with the help of one of the prominent building.
- B) What is a ziggurat? Explain and sketch.

QUES. 2.

- A) Explain basic characteristics features of Greek civilizations?
- B) Explain Parthenon?

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 2ND YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-235, SUBJECT NAME: ARCHITECTURE DESIGN-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. Design a studio apartment for an architect. Site area 5mX4m showing furniture layouts and proper dimensions.

- A) Draw site plan, plan, section, elevation.
- B) Make concept and view of the structure.

QUES. 2. Design a restaurant for 75 people. Assume Site area on your own showing furniture layouts and proper dimensions.

- A) Draw concept and view of the structure.
- B) Draw site plan, plan, section, elevation.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 2ND YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-236, SUBJECT NAME: BUILDING SERVICES

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 psychometric chart? Elaborate with sketch.
- B) Write different types of wires and their colour code.

QUES. 2.

- A) Draw an electrical wiring diagram of a plan.
- B) What are the different types of air conditioning systems and their process?

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 3RD YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-351, SUBJECT NAME: SITE PLANNING AND COMMUNITY DESIGN

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 site planning? Define with sketches.
- B) What is community centre?

QUES. 2.

- A) Design a community centre with requirement as described
 - i) Draw a site plan with all required detailing.
 - ii) Draw all necessary drawings.
- B) Define topography with respect to site planning.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 3RD YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-352, SUBJECT NAME: ARCHITECTURAL PROGRAMMING

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 literature study? What are the points to be kept in mind to do a literature study.
- B) Submit a literature study on a library for 100 students.

QUES. 2.

- A) What is case study? What are the points to be kept in mind to a case study.
- B) Submit a case study on restaurant for 100 seats.

ASSIGNMENT NO: 01

COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 3RD YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-353, SUBJECT NAME: ESTIMATION AND COSTING

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 estimate and what is costing?
- B) What are the different methods of calculating estimates?

QUES. 2.

- A) Calculate the estimate and its cost of given drawing.
- B) How to calculate initial project cost.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 3RD YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-354, SUBJECT NAME: ENVIRONMENTAL SCIENCE AND ECOLOGY

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 basic cause of thermal pollution in the environment and give remedies to reduce it.
- B) How ecology helps in the development of architecture.

QUES. 2.

- A) Nuclear pollution is leading to death of earth explain how you as an architect going to protect it.
- B) explain different types of pollution and their solution with respect to architecture.

ASSIGNMENT NO: 01

COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 3RD YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-355, SUBJECT NAME: ART APPRECIATION AND AESTHETICS

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 principles of architecture.
- B) What is the role of balance in architecture? Explain with necessary diagrams.

QUES. 2.

- A) Write artistic characteristics of Vincent van Gogh with an example of its painting.
- B) Why it is important to study about aesthetics. Explain with sketches.

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COURSE: DIPLOMA IN ARCHITECTURE

D.ARC- 3RD YEAR (odd semester)

Submission date: 10 Nov. 2016

CODE: DARC-356, SUBJECT NAME: ARCHITECTURE DESIGN -V

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 commercial complex.

Site dimensions- 120mX100m

Site is located on NH24 ghaziabad-hapur road.

Far.-100

Ground cverage-35%

Set back- front-7m

Sides-5m

Back-3m

- A) Draw site plan with proper detailing.
- B) Concept explaining the functionality.

QUES. 2. For the same commercial complex submit the following requirements.

- A) Floor plans (each floor)
- B) Sections, elevations and view