

# **DIPLOMA IN ARCHITECTURE**

## **Assignment No-2 D.arch-I Sem**

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

**Submission date: 10 Nov. 2016**

### **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 Tea stall for the University of Dimension 3x2.5m

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

**QUES. 2.** Design a bus ticket counter .

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

## **Assignment No-2**

**COURSE: DARC-112, SUBJECT NAME: CONSTRUCTION TECHNOLOGY**

**Due date of submission: 10-11-2016**

### **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.

**Q. 1.** Write short notes on the following:-

- a) Uses of stone in buildings.
- b) Properties of sand.

**Q. 2.**

- c) Explain the role of foundation concrete.
- d) Draw details of simple spread foundation for 230mm thick load bearing wall in Flemish / English bond.

## **Assignment No-2**

**CODE: DARC-113, SUBJECT NAME: TECHNICAL DRAWING**

**Due date of submission: 10-11-2016**

### **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 arches and explain their use in drawing presentation.
- B) Construct a Rectangle 3m x 4m.

### **QUES . 2.**

- A) Write letters from A to Z of height 2.5cm.
- B) Draw a isometric view (square 4m x 4m).

## **Assignment No-2**

**COURSE: DARC-114, SUBJECT NAME: GRAPHIC PRESENTATION**

**Due date of submission: 10-11-2016**

### **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.

**Q. 1.** Draw a colour Wheel

- a) Explain Primary & secondary colours.
- b) Explain warm & cool colours.

**Q. 2.**

- e) Draw a 3D composition using 4 bottles , 3 duster ,and 2 balls.
- f) Draw shades and shadows assuming source of light?

## **Assignment No-2**

**COURSE: DARC-116, SUBJECT NAME: HUMINITIES**

**Due date of submission: 10-11-2016**

### **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.

### **Q. 1.**

- a) What were the primary materials used for buildings construction and constructions methods in Egyptian civilization?
- b) Define early settlements and evolution of settlements in prehistoric period?

### **Q. 2.**

- a) Explain town planning and drainage pattern of Indus valley civilization?
- b) What was the prominent structures, building and Architecture styles in Mesopotamian civilization?

## **Assignment No-2**

**COURSE: DARC-117, SUBJECT NAME: ENVIRONMENTAL SCIENCE-I**

**Due date of submission: 10-11-2016**

### **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.

### **Q. 1.**

- a) How Energy flow in the ecosystem?
- b) Define various types, characteristic features, structure and function of various ecosystems.

### **Q. 2.**

- a) What is the Role of an individual in prevention of pollution?
- b) What are the natural resources? How we can conserve them?

## **Assignment No-2D.arch-3Sem**

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

**Due date of submission: 10-11-2016**

### **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 various method of measuring area .
- B) What is compass survey ? Explain it.

### **QUES. 2.**

- A) What is the difference between levelling and R.L?
- B) Explain chain surveying method with proper sketching.

## **Assignment No-2**

**Course: DARC-232, SUBJECT NAME: CONSTRUCTION AND TECHNOLOGY-III**

**Submission date: 10 Nov. 2016**

### **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 types of Steel foundation and column explain with sketches?
- B) Explain grillage and pile foundation with neat sketches ?

### **QUES . 2.**

- A) Define various types of insulating materials and its use.
- B) What do you understand of basic terminology like:-  
frequency, pitch tone, sound pressure.



## **Assignment No-2**

**CODE: DARC-233, SUBJECT NAME: STRUCTURE-II**

**Submission date: 10 Nov. 2016**

### **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 difference between pre-stressed concrete & pre-stressing system?
- B) Write basic concepts of pre-stressed systems?

### **QUES . 2.**

- A) Explain, shells , folded plates , domes?
- B) Explain space frames tensile structures?

## **Assignment No-2**

**COURSE: DARC-234, SUBJECT NAME: CONTEMPORARY ARCHITECTURE**

**Due date of submission: 10-11-2016**

### **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 primitive beginnings with the help of neat sketches?
- B) Explain Hattasus cities with neat sketches.

### **QUES. 2.**

- A) Explain basic characteristics features of Mesopotamian?
- B) Explain Doric order or Ionic order?

## **Assignment No-2**

**Course: DARC-235, SUBJECT NAME: ARCHITECTURE DESIGN-II**

**Submission date: 10 Nov. 2016**

### **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 office for an architect. Site area 6mx4m showing furniture layout and proper dimension.

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

**QUES . 2.** Design a canteen for 30 pepole. Site area 10mx8m showing furniture layout and proper dimension.

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

## **Assignment No-2**

**CODE: DARC-236, SUBJECT NAME: BUILDING SERVICES**

**Submission date: 10 Nov. 2016**

### **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 MCB and ELCB.
- B) Write different types of wires and their colour code.

### **QUES. 2.**

- A) Draw a house plan 10mx15m and show electrical wiring diagram.
- B) What are the different between Elevators and Escalators?

## **Assignment No-2 D.arch V Sem**

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

**Submission date: 10 Nov. 2016**

### **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 various factors of site planning.
- B) What is urban area in site planning?

### **QUES. 2.**

- A. What is circulation , zoning, service system in site planning.
- B. Explain drainage system in site planning.

## **Assignment No-2**

**Course: DARC-352, SUBJECT NAME: ARCHITECTURAL PROGRAMMING**

**Submission date: 10 Nov. 2016**

### **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 concept, need and scope of architectural programming?
- B) How to develop your design?

### **QUES. 2.**

- A) What is a role of architecture in programming?
- B) Explain documentation and presentation of material.

## **Assignment No-2**

**COURSE: DARC-353, SUBJECT NAME: ESTIMATION AND COASTING**

**Due date of submission: 10-11-2016**

### **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.

### **Q. 1.**

- A) Draw a bedroom layout plan and Calculate the estimate.
- B) What are the different methods of calculating estimates?

### **Q. 2.**

- A) What is estimate and what is costing?
- B) Explain various materials and items of work used in building?

## **Assignment No-2**

**COURSE: DARC-354, SUBJECT NAME: ENVIRONMENTAL SCIENCE AND ECOLOGY**

**Due date of submission: 10-11-2016**

### **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.

### **Q. 1.**

- a) What are the causes of resource exhaustion and resource pollution?
- b) What are the Principles of thermal design and means of thermal control?

### **Q. 2.**

- a) What is the natural ventilation? how it works ?
- b) What is the effect of landscape elements on site?



## **Assignment No-2**

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

**Due date of submission: 10-11-2016**

### **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 art? Write basic principles of architecture.
- B) What is the role of rhythm and harmony in architecture? Explain with necessary diagrams.

### **QUES. 2.**

- A) Write artistic characteristics of Vincent van Gogh with an example of its painting.
- B) Write the major periods of world history. Explain with sketches.

## **Assignment No-2**

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

**Due date of submission: 10-11-2016**

### **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 Sport complex for 1000 people .

Site dimensions- 150mX100m

Site is located on NH24 ghaziabad-hapur road.

Far.-100

Ground cverage-20%

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 Sport complex submit the following requirements.

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