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MAHARASHTRA OPEN UNIVERSITY, NASHIK

HOME ASSIGNMENTS 2016-17

B. DES. (2014 Pattern) V28

Instructions:

- a. All questions are compulsory.
- b. Each question carries 5 Marks.
- c. Each question should be answered between 75 to 100 words.
- d. Write every question's answer on separate page.

A44011: Fundamentals of Structures and Design

1. Explain functions of Structures. 5
2. Write short note on Primary forces on structures 5
3. Write short note on Secondary forces on structures 5
4. Analyze behavior of simple geometric forms 5

A44012: History of Design - I

1. What is the role of design in the evolution of the competitive free market system? 5
2. How design emerged as powerful tool for corporate & cultural identity in this period? 5
3. What are basic influences on the formation of design theory? 5
4. Explain the impact of world wars on design & production. 5

A44021: History of Design - II

1. What is good design? 5
2. How ergonomics is important in design? 5
3. What is Pop Art and its significance in design? 5
4. Explain Contemporary Design theory and styles. 5

A44022: Ergonomics and Communication Skills

1. What do you mean by Anthropometrics? 5
 2. How Anthropometrics is important in design? 5
 3. What are the fundamentals of Public Speaking? 5
 4. Explain terms - Verbal & Non-Verbal Skills. 5
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A44032: Interior Construction Techniques - I

1. What are the simple elements of buildings? 5
2. How would you distinguish between Natural & Man made Materials in Construction? 5
3. What are the different types of Floorings? 5
4. Explain Principles of Construction. 5

A45032: Material and Processes : Wood

1. What are the different properties of Timber? 5
2. How would you distinguish between Artificial & Natural Processes of wood? 5
3. What are the different types of Timber? 5
4. Explain various products made out of wood. 5

A45033: NURBS Modeling - Rhino

1. What are the basic concepts of NURBS & Rhino? 5
2. What do you mean by Advance NURBS Modeling? 5
3. Explain steps to Trim Surfaces. 5
4. Write short note on Rendering & Presenting NURBS Models. 5

A44042: Interior Services - I

1. What are the different types of natural ventilation systems? 5
2. How Human can get Physical comfort inside the building? 5
3. What do you mean by thermal properties of materials? 5
4. Explain different types of Air-conditioning systems. 5

A44043: Interior Construction Techniques - II

1. What are the different types of Arches? 5
2. How Construction of Floor is done? 5
3. What are the different types of Roofing? 5
4. Write a short note on Construction of Staircase in Wood. 5

A45042: Ergonomics for Work Spaces

1. What do you mean by Work Space Ergonomics? 5
2. Define Reach & Access. 5

3. Write note on Cone of Vision & Circulation. 5
4. How can you do analysis of Spaces. 5

A45032: Material and Processes : Metal

1. What are the different types of metals? 5
2. Explain the Characteristics of metals. 5
3. What is the necessity of Alloy? 5
4. Write Definition of Quality metal. 5

A44052: Interior Services - II

1. How the water supply in the premises is done? 5
2. Write note on Internal Plumbing Installation. 5
3. What type of design is suggested for disposal of Rain Water? 5
4. Explain Characteristics of Purity of Water. 5

A44053: Interior Techniques - III

1. Explain the Construction of Wooden False Ceiling 5
2. Give the details of Interior Construction related to Built in Furniture. 5
3. How the Stand Alone Cabinets are constructed? 5
4. Write short note on Partly Glazed Aluminum Partitions. 5

A45052: Cognitive Ergonomics

1. Explain Human Sensory, Perceptual & Cognitive Abilities. 5
2. How does Human Information Process work? 5
3. Write Short Note on Product Development Cycle. 5
4. How Design Principles are used in Design process for Clients? 5

A45053: Material & Processes: Plastics

1. Describe the properties of Plastic. 5
2. Write Short Note on Moulding Process 5
3. Write Steps for re-designing any particular product. 5
4. What needs to be done for Safety & Care and Use of Tools and Equipments? 5

A44062: Interior Services III

1. What are the units of Measurements in regards with sound? 5
2. Write Short Note on Noise Control. 5
3. What is the behavior of sound in enclosed & open area? 5
4. Describe in brief - Fire Escapes, Fire Doors, Fire Staircase & Lifts 5

A44063: Estimation of Interiors

1. What do you mean by quantity survey and estimation? 5
2. Write Short Note on Rate Analysis. 5
3. What are the methods of Rate Analysis? 5
4. How the measurements are recorded for estimation? 5

A44062: Advance Industrial Materials

1. What are the properties of advanced industrial materials? 5
2. Explain all steps in regards with technical process of Forming. 5
3. Write short note on Technical Process of Forming? 5
4. Describe the design & development process. 5

A45063: Cost Estimation of Industrial Products

1. How Bill of Material is prepared? 5
2. What is need of Specification of Materials for Estimations. 5
3. Write short note on Various methods of Bills of Material. 5
4. How to incorporate changes / modifications in Estimations. 5

A44072: Professional Practice

1. Explain - Design Profession as a Vocation. 5
2. Compare among all different professions. 5
3. Write short note on Office Organization & Management. 5
4. Describe terms - Income Tax, Service Tax, Profession Tax applicable to Professionals. 5

A45072: Design Management

1. What are the Principles of Leadership? 5
2. What is role of finance in strategy planning? 5
3. What are the core financial business strategies? 5
4. What do you mean by Branding? Explain terms - Copy write & Trademarks. 5