

End Semester Examination, May 2022

B. Sc. (Interior Design) – Fourth Semester

MARKETING TECHNIQUES (351.307B)

Time: 3 hrs.

Max Marks: **50**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Define the following (**any five**):

- a) Sales Channel.
- b) Customer.
- c) Positioning.
- d) Marketing Mix.
- e) Niche Marketing.
- f) Business Plan.

2x5

PART-A

Q.2 Define the term "Marketing". Explain the different stages of marketing research.

[CO- 1] [L-1] **10**

Q.3 What is segmentation? How can you segment a market for an interior design firm? Discuss in detail.

[CO- 2] [L-2] **10**

Q.4 Discuss "HR" and its role. Explain the HR agenda that should be incorporated by a start-up.

[CO-3] [L-3] **10**

PART-B

Q.5 Illustrate the various strategies for business development.

[CO- 4] [L-4] **10**

Q.6 Define 'FAB'. Justify through examples how can FAB be used to improve sales?

[CO-5] [L-5] **10**

Q.7 Elaborate market segmentation on the basis of Geographical and Behavioral aspects.

[CO- 6] [L-6] **10**

End Semester Examination, May 2022

B. Sc. (Interior Design) – Fourth Semester

LIVING GREEN (351.309B)

Time: 3 hrs.

Max Marks: **50**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Write short notes on **(any two)** of the following:

- a) Global warming.
- b) Composting.
- c) Eco friendly materials.

5x2

PART-A

Q.2 Describe the ethical challenges associated with climate change. [CO-1] [L-1] **10**

Q.3 What is environmental degradation? What are the various causes and effects of environment degradation? [CO-2] [L-2] **10**

Q.4 Explain the steps individuals can take to reduce their impact on the environment. [CO-3] [L-3] **10**

PART-B

Q.5 What is energy conservation? Give examples on the ways to save energy. [CO-4] [L-2] **10**

Q.6 How does indoor air gets polluted and explain the steps to improve indoor air quality and reduce pollution. [CO-5] [L-5] **10**

Q.7 What is carbon footprint? Examine the current fuels in use today and list travel means that are not carbon producers. [CO-5] [L-5] **10**

End Semester Examination, May 2022
B. Sc. (Interior Design) – Sixth Semester
PROFESSIONAL PRACTICE AND PROJECT REPORT PRESENTATION
(351.611A)

Time: 3 hrs.

Max Marks: **50**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Write short notes on (any five) of the following:

- a) Contract
- b) Arbitration
- c) Ethics and values
- d) Tender notice
- e) Specifications
- f) Bill of quantities

2×5

PART-A

Q.2 What is the role of an interior designer towards the execution of a project?

[CO-1][L-5] **10**

Q.3 Who is an Interior Designer? Discuss an Interior Designer's SCOPE OF WORK for a residential design.

[CO-2] [L-2] **10**

Q.4 Discuss the importance of research and case studies in interior design. Explain in detail.

[CO-3] [L-4] **10**

PART-B

Q.5 What is "item rate or unit price" contract? Explain its nature of argument, mode of payment, advantages and limitations in detail.

[CO-4] [L-3] **10**

Q.6 How interior designer will promote his business? State various ways and means of business promotion in detail and justify your answer.

[CO-5] [L-6] **10**

Q.7 Discuss in detail (**any two**):

- a) Agreement.
- b) Estimate.
- c) Third Party in contract.

[CO-2] [L-1] **10**

End Semester Examination, May 2022

B. Arch. – Tenth Semester

PROJECT MANAGEMENT (AR-1002A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Explain the role of Project Management in Architecture? **8**

PART-A

Q.2 Explain the following terms:

a) CPM.

b) PERT.

4x2

Q.3 Elaborate the advantages and disadvantages of CPM. [CO-2][L-3]**8**

Q.4 Illustrate the steps involved in Network analysis. [CO-3][L4]**8**

PART-B

Q.5 Access the CPM method in Project Management? [CO-4][L-1]**8**

Q.6 Explain the steps involved in PERT diagram. [CO-5][L-2]**8**

Q.7 Elaborate Contracts and types of Contracts. [CO-6][L-5]**8**

End Semester Examination, May 2022

B. Arch. – Tenth Semester

PROFESSIONAL PRACTICE (AR-1003A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Illustrate the role of IIA in Architecture profession. **8**

PART-A

Q.2 List the professional duties of Architects. [CO-1][L-2] **8**

Q.3 Elaborate Tender and explain list of information given in Tender. [CO-2][L-3] **8**

Q.4 Illustrate the scope of architectural copyright protection. [CO-3][L4] **8**

PART-B

Q.5. Illustrate the Arbitration and its importance. [CO-4][L-1] **8**

Q.6 What are the functions and powers of COA? [CO-5][L-2] **8**

Q.7 What are the objectives of contracts and list the types of contracts? [CO-6][L-5] **8**

End Semester Examination, May 2022

Bachelor of Architecture – Second Semester

STRUCTURAL DESIGN – II (AR-205A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

- Q.1
- a) State the SI unit of Stress. [CO-1] [L-1]
 - b) What do you understand by the term "Stress"? [CO-1] [L-2]
 - c) Describe Poisson's Ratio. [CO-2] [L-1]
 - d) Explain in brief the significance of Bulk Modulus. [CO-2] [L-2]
 - e) Enlighten the concept of Moment in a beam. [CO-3] [L-2]
 - f) Differentiate between Point load and UDL. [CO-4] [L-2]
 - g) What are the different types of loads acting on a beam? [CO-5] [L-1]
 - h) List the different types of Trusses. [CO-6] [L-1]

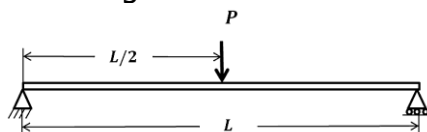
1x8

PART-A

- Q.2 A bar of cross section $0.8 \times 0.8 \text{ cm}^2$ is subjected to an axial pull of 7 kN. Internal dimension of the bar are found changed to $7.9985 \times 7.9985 \text{ mm}^2$. If the MOR of the material is $0.8 \times 10^5 \text{ N/mm}^2$, evaluate the MOE & Poisson's ratio. [CO-1] [L-4] **8**

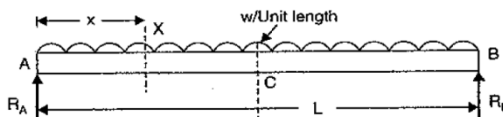
- Q.3
- a) State the relationships between E, C and K. [CO-2] [L-2] **8**
 - b) Explain modulus of elasticity and factor of safety.

- Q.4 Draw SFD and BMD of the following beam: [CO-3] [L-5] **8**



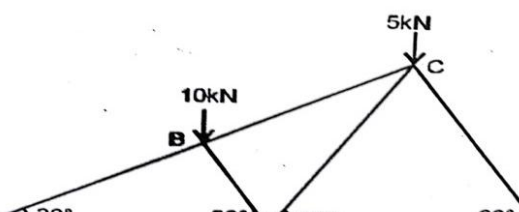
PART-B

- Q.5 Draw SFD and BMD of the following beam: [CO-4] [L-5] **8**



- Q.6 Plan a mechanism to derive Flexural formula for a beam. [CO-5] [L-5] **8**

- Q.7 Analyze the given Truss by any method:



End Semester Examination, May 2022
Bachelor of Architecture – Second Semester
SOCIOLOGY AND PSYCHOLOGY OF ARCHITECTURE (AR-207A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

- Q.1 What is a territorial organization of space? What are the three types of territorial spaces? **8**

PART-A

- Q.2 Describe the impact of Sociology on Architecture. [CO-1] [L-1] **8**
- Q.3 Discuss the concept of society. Also, explain its types and its characteristics. [CO-2] [L-2] **8**
- Q.4 Determine the significance of social interaction and its various types. [CO-3] [L-3] **8**

PART-B

- Q.5 Analyze the impact of psychology in architecture. [CO-4] [L-4] **8**
- Q.6 Compare various types of territorial spaces? Also, define the term territorial spaces. [CO-5] [L-5] **8**
- Q.7 Elaborate on Urban Ecological design such as relationships to nature, landscape, personal space, and territoriality. [CO-6] [L-6] **8**

End Semester Examination, May 2022

Bachelor of Architecture – Second Semester

CLIMATOLOGY (AR-209B)

Time: 3 hrs

Max Marks: **40**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

- Q.1 Define the different climatic zones of India and the design strategy adopted for that region. **8**

PART-A

- Q.2 Explain climatology and its significance in the built environment. [CO-1] [L-1] **8**

- Q.3 Describe the climatic balance. Analyze the causes and their effects on ecological balance. [CO-2] [L-2] **8**

- Q.4 Discuss the types of ventilation and explain how the area is calculated for natural ventilation. [CO-3] [L-3] **8**

PART-B

- Q.5 Illustrate sun path diagram and psychometric chart. [CO-4] [L-4] **8**

- Q.6 Analyze the quantitative data and qualitative data in day lighting. [CO-5] [L-5] **8**

- Q.7 Explain the importance of solar orientation for a building. Explain window shading strategies for South and East facing windows with help of neat sketches. [CO-6] [L-6] **8**

End Semester Examination, May 2022
Bachelor of Architecture – Second Semester
SURVEYING AND LEVELLING – II (AR-210)

Time: 3 hrs

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

- Q.1
- a) Define the term "Latitude" in context with Traverse Surveying. [CO-1] [L-1]
 - b) Evaluate departure for a line of length 7m and bearing of 45^0 . [CO-1] [L-4]
 - c) Correlate the significance of "Total Station" in surveying. [CO-2] [L-2]
 - d) Illustrate Cartesian Coordinates with the help of neat sketch. [CO-2] [L-3]
 - e) What do you understand by the term "Levelling"? [CO-3] [L-2]
 - f) Justify the importance of Reduced Level in Levelling. [CO-3] [L-2]
 - g) What do you understand by the term "Contours"? [CO-4] [L-2]
 - h) List the two basic Remote Sensing Process. [CO-5] [L-1]
 - i) Define 'Geographic Information System'. [CO-6] [L-1]
 - j) List the three main elements of subsystems of GIS. [CO-6] [L-2]

1x10

PART-A

- Q.2 If the following bearings were taken for a closed traverse, evaluate:
- i) Corrected Bearing of the lines.
 - ii) Internal Angles of the traverse.

[CO-1] [L-4] **8**

Lines	FB	BB
AB	145^0	325^0
BC	$23^015'$	$204^030'$
CD	$284^015'$	$104^030'$
DE	$54^030'$	$233^045'$
EA	$94^045'$	276^0

- Q.3 Elaborate the various Instrumental Errors observed in Total Station. [CO-2] [L-2] **8**
- Q.4 Evaluate the RL of different points by "**Rise and Fall Method**" and show Arithmetic Check for the following staff Readings taken from an Auto Level with a BM of 250 m: **3.10 m, 3.00 m, 1.60 m, 2.40 m, 1.40 m, 2.50 m, 3.90m, 1.20 m, 2.80 m, 1.65 m, 1.85 m**. The instrument was shifted after 3rd, 7th and 9th reading. [CO-3] [L-4] **8**

PART-B

- Q.5 What do you understand by "Contour Interval"? State the various properties of "Contours" with the help of neat sketches. [CO-4] [L-3] **7**
- Q.6 What do you understand by "Remote Sensing"? Summarize the application of Remote Sensing in data collection and analyzing from Aerial Photogrammetry. [CO-5] [L-2] **7**
- Q.7 Elaborate the significance of GIS in Surveying and Levelling. [CO-6] [L-2] **7**

End Semester Examination, May 2022

B. Arch. – Third / Fourth Semester

BUILDING SERVICES-I (AR-308A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and any **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Answer in brief:

- a) Illustrate various types of water demands for a city.
- b) Enlist surface Water resources categories.
- c) Classify layouts of water distribution networks.
- d) Write a short note on rain water harvesting.

2x4

PART-A

Q.2 Describe any eight factors which affects per capita demand.

8

Q.3 The populations of five decades from 1930 to 1970 are given below in the table. Find out the population in 1980, 1990, 2000 beyond the last known decade, by using arithmetic Increase Method.

Year	1930	1940	1950	1960	1970
Population	25000	28000	34000	42000	47000

8

Q.4 Draw the layouts of grid-iron water distribution system. And describe any four advantages of this system.

8

PART-B

Q.5 Illustrate a schematic flow diagram of sewage treatment plant for large sized cities.

8

Q.6 Outline the importance of rain water harvesting and future, advantages of rain water harvesting.

8

Q.7 What do you understand by Septic Tank? Draw the plan diagram and sectional elevation of a septic tank.

8

End Semester Examination, May 2022
B. ARCH. – Fourth Semester
HISTORY OF ARCHITECTURE-II (AR-404A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Write short notes on **(any four)**:

- a) Pendentive
- b) Pilaster
- c) Arcade
- d) Nave
- e) Pediment
- f) Gargoyles

[CO-1] [L-1]**2x4**

PART-A

Q.2 With the help of detailed diagrammatic representation of the earliest Basilica. Explain the terminology and architectural features of churches of Early Christian Architecture.

[CO-2] [L-2]**8**

Q.3 Differentiate between the architectural features of the Romansque and Gothic architecture. Support your answer with sketches.

[CO-3] [L-3]**8**

Q.4 Discuss about the architecture that flourished in the new capital of Roman Empire made by the emperor Constantine. Write in Detail about the architectural features of Hagia Sophia and mention how it is different from the churches of early Christian Architecture.

[CO-4] [L-4]**8**

PART-B

Q.5 Explain the renaissance architecture and its architectural features. Mention the contributions given by the architect Filippo Brunelleschi during the early renaissance phase.

[CO-5] [L-5]**8**

Q.6 Differentiate between the architectural works of the high and late renaissance architecture. Support your answer with the examples of Donato Bramante and Andrea Palladio.

[CO-5] [L-5]**8**

Q.7 Describe the modern and post modern architecture. Mention the contributions of F.L. Wright and Walter Gropius to the world of architecture.

[CO-6] [L-6]**8**

End Semester Examination, May 2022

B. Arch – Fourth Semester

STRUCTURAL DESIGN – IV (AR-405B)

Time: 3 hrs.

Max Marks: **40**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Use IS 456:2000. Assume any data if not given.

- Q.1
- Name different grades of cement, concrete and steel.
 - Define 'permissible Stresses'.
 - Write factor of safety and partial factor of safety for concrete and steel.
 - Why we do not use over-reinforced sections?
 - What is characteristic strength?
 - What is two-way slab?
 - Write down types of staircases.
 - Write down types of columns.

1x8

PART-A

- Q.2 A simply supported reinforced cement concrete beam over a span of 8 m carrying an imposed load of 30 kN/m. Design the beam using M20 concrete and Fe 415 steel.
[CO-1] [L-1]
- Q.3 Design a rectangular beam 230 mm X 600 mm over an effective span of 5 m. The superimposed load on the beam is 50 kN/m. Effective cover to reinforcement is taken as 50 mm. Use M20 concrete and Fe 415 steel.
[CO-2] [L-2]
- Q.4 A beam 250 mm X 550 mm (effective) is subjected to a factored bending moment 300 kNm. Determine the area of steel required. Use M20 concrete and Fe 250 steel. Assume $d' = 50$ mm.
[CO-3] [L-3]

PART-B

- Q.5 Design a one-way slab with a clear span of 3.5 m, simply supported on 200 mm thick concrete masonry walls to support a live load of 5 kN/m². Adopt M20 grade of concrete and Fe 415 HYSD bars.
[CO4] [L-4] **8**
- Q.6 Design a circular column of diameter 400 mm subjected to a load of 1200 kN. The column is having spiral ties. The column is 3 m long and is effectively held in position at both ends but not restrained against rotation. Use M25 concrete and Fe 415 steel.
[CO5] [L-5] **8**
- Q.7 Design a short RCC column to carry an axial load of 1600 kN. It is 4 m long effectively held in position and restrained against rotation at both ends. Use M20 concrete and Fe 415 steel.
[CO-AR405.6] [L-5] **8**

End Semester Examination, May 2022
B. Arch. – Fourth Semester
BUILDING SERVICES – II (ELECTRICAL INSTALLATION) (AR-406)

Time: 3 hrs.

Max Marks: **60**

No. of pages: 1

Note: Attempt **FIVE** questions in all. **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and any **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Answer in brief:

- a) What is meant by electric potential?
- b) Explain brief dimension flux.
- c) Define State ohm's law.
- d) Explain brief dominance.
- e) What is illumination?

2x6

PART-A

Q.2 Explain three types of lamps used for interior as well as exterior lighting. Make the comparison chart of the lamp types explaining their advantages and disadvantages. **12**

- Q.3 a) What is the working principle of a fuse? **6**
b) State and explain Kirchoff's Laws. **6**

Q.4 Define and explain the following:

- a) Lightning protective system.
- b) Energy efficient lighting.

6x2

PART-B

Q.5 Explain the various standards mentioned in National Electric code for Electrical Installation. **12**

Q.6 An office area has length: 20 meter; width: 10 meter; height: 3 meter. The ceiling to desk height is 2 meters. The area is to be illuminated to a general level of 250 lux using lamp 64 watt CFL luminaries with a SHR of 1.25. Each lamp has an initial output (Efficiency) of 85 lumen per watt. The lamps Maintenance Factor (MF) is 0.63, Utilization Factor(UF) is 0.69 and space height ratio (SHR) is 1.25.
Design the lighting layout of the office. **12**

Q.7 Explain the following lighting schemes with help of well-defined sketches:

- a) Ambient lighting.
- b) Accent lighting.
- c) Task lighting.

4x3

End Semester Examination, May 2022

B. Arch. – Fourth Semester

VERNACULAR ARCHITECTURE (AR-408)

Time: 3 hrs.

Max Marks: **60**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

- Q.1 Explain vernacular architecture. And also explain with the help of sketches about the influence of various determinants of Vernacular Architecture. **20**

PART-A

- Q.2 Discuss in details different climates of India and explain how building form developed by climatic condition/location. [CO-1][L-1] **10**

- Q.3 How vernacular architecture is influenced by:
a) Local needs.
b) Local construction materials.
c) Local traditions. [CO-2][L-2] **10**

- Q.4 Illustrate the vernacular strategies for the earthquake resistant structures. [CO-3][L-3] **10**

PART-B

- Q.5 Analyze vernacular structure and explain (**any two**):
a) Laterite structure Goa.
b) Bhonga house.
c) Warli house. [CO-4][L-4] **5x2**

- Q.6 Explain about three vernacular materials and state the role of construction technology in vernacular architecture. [CO-5][L-5] **10**

- Q.7 Discuss vernacular architecture of Punjab in detail. [CO-6][L-6] **10**

End Semester Examination, May 2022

B. Arch. – Fourth Semester

VERNACULAR ARCHITECTURE (AR-408A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: *1*

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

- Q.1 Define 'vernacular architecture'. Discuss in detail how climate of a region impact the vernacular architecture. [CO-1] [L-1] **8**

PART A

- Q.2 Explain vernacular structure of **(any two)**:
a) Dhajji construction technique.
b) Kath-Kuni construction technique.
c) Koti Banal technique.
d) Bhunga construction technique. [CO-2] [L-2] **4x2**
- Q.3 Laurie Baker is known for his distinct style of vernacular and sustainable architecture Constructions. Discuss in detail with examples of his buildings. [CO-3] [L-3] **8**
- Q.4 Haveli architecture is a unique vernacular architecture form that flourished in various parts of Northern India. Explain in detail. [CO-4] [L-4] **8**

PART B

- Q.5 Explain the vernacular strategies for the disaster resistant structures in various parts of disaster prone areas in India. [CO-5] [L-5] **8**
- Q.6 Explain in detail, the influence of climate on vernacular architecture of southern India. Support your answer with examples. [CO-5] [L-5] **8**
- Q.7 Differentiate between any two vernacular construction techniques used in the southern regions of India. Support your answer with sketches. [CO-6] [L-6] **8**

End Semester Examination, May 2022
B. Arch. – Fourth Semester
PRINCIPLE OF HUMAN SETTLEMENTS (AR-409)

Time: 3 hrs.

Max Marks: **40**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Explain the following (**any two**):

- a) Urban renewal.
- b) Human settlements.
- c) Rehabilitation.
- d) SEZ.

4x2

PART-A

Q.2 Explain the evolution of human settlements and their elements. [CO-1] [L-1] **8**

Q.3 Explain any five forms of settlements with proper sketches and examples. [CO- 2] [L-2] **8**

Q.4 Define 'rural development'. Explain any three rural development programs of India. [CO-3] [L-3] **8**

PART-B

Q.5 What do you understand by regional plan and also state the aspects of Regional planning. [CO- 4] [L- 4] **8**

Q.6 Define 'Urban Planning'. Explain any five components of Urban planning. [CO-5][L-5] **8**

Q.7 Elaborate Globalization and its impact on cities in detail. [CO-6] [L-6] **8**

End Semester Examination, May 2022
B. ARCH. – Sixth Semester
ESTIMATING AND COSTING AND SPECIFICATIONS
(AR-603B / AR-603)

Time: 3 hrs.

Max Marks: **40**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Explain the following: **(any two):**

- a) Rate analysis.
- b) Tender.
- c) What is lead and lift?
- d) Standard schedule of rates.

2x4

PART-A

Q.2 Define quantity surveying and its importance.

[CO-1] [L-1] **8**

Q.3 List out the data required for preparation of an estimate? Write the tabular form for the detailed estimate.

[CO-2] [L-2] **8**

Q.4 Explain the purpose of specifications and the classifications in detail.

[CO-3] [L-3] **8**

PART-B

Q.5 Define Task or out Turn work and factors affecting it in detail with example in tabular form.

[CO-4] [L-4] **8**

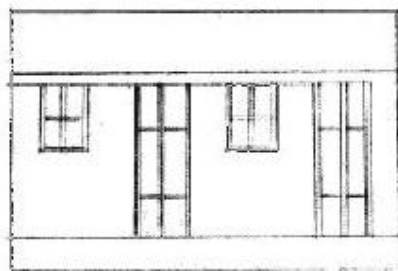
Q.6 Explain various types of tenders and the tender process.

[CO-5] [L-5] **8**

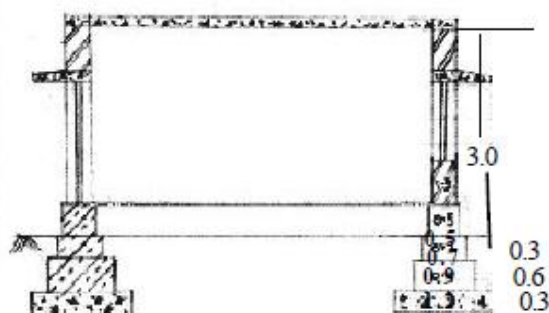
Q.7 Estimate the quantities of the following items of a two roomed building for the given plan, elevation and sections below:

- a) Earthwork in excavation in foundation.
- b) 1st class brickwork in cement mortar in foundation.
- c) First class brick work in superstructure in lime mortar.

[CO-2] [L-6] **8**



E L E V A T I O N



S E C T I O N



End Semester Examination, May 2022
Bachelor of Architecture – Sixth Semester
HISTORY OF ARCHITECTURE-IV (AR-604)

Time: 3 hrs.

Max Marks: **60**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 How did the modern architecture effect the mindset of Indian architects post independence? Explain with examples. **20**

PART-A

Q.2 Explain the contrast between town planning concepts of Shahjahanabad and Lutyens Delhi. **10**

Q.3 Explain the cardinal principles in Charles Correa's vast body of work through examples. **10**

Q.4 Explain the town planning concept of Jaipur with the help of sketches. **10**

PART-B

Q.5 Explain the philosophies of B.V. Doshi through his works in his tenure as an architect. **10**

Q.6 What are the various Bauhaus characteristics visible in A.P. Kanvinde's works? **10**

Q.7 How did the colonization of India by Portuguese, French, Dutch and British effect the architecture of India? **10**

End Semester Examination, May 2022
B. ARCH. – Sixth Semester
HISTORY OF ARCHITECTURE – IV (AR-604A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

- Q.1 How did the colonization of India by Portuguese, French, Dutch and British effect the architecture of India? **8**

PART-A

- Q.2 Explain the architectural style and features of the Qutub Minar with relevant drawings (plan, section and elevation). [CO-1] [L-1] **8**
- Q.3 Explain the origin and evolution of Provincial style of Architecture in different regions of India using architectural examples. [CO-2] [L-2] **8**
- Q.4 Explain colonial architecture. Also the effect of colonization of Britishers and Portugese on the Indian Architecture. [CO-3] [L-3] **8**

PART-B

- Q.5 The Government Complex in New Delhi was a symbol of colonial architecture in India? Explain. [CO-4] [L-4] **8**
- Q.6 Explain Chandigarh city and its buildings. [CO-5] [L-5] **8**
- Q.7 Explain Charles Correa's work giving one prime example with sketches. [CO-6] [L-6] **8**

End Semester Examination, May 2022
B. ARCH. – Sixth Semester
HISTORY OF ARCHITECTURE – IV (AR-604B)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Explain essential architectural features of Islamic architecture with sketches. **8**

PART-A

Q.2 Describe the building typologies of Islamic architecture and their characteristics. [CO- 1] [L-1] **8**

Q.3 Discuss the social condition of Islamic architecture and their building components. [CO- 2] [L-2] **8**

Q.4 Describe anyone prominent site of Islamic architecture with sketches. [CO-3] [L-3] **8**

PART-B

Q.5 Analyze the planning and designing approach of colonial architecture. [CO- 4] [L-4] **8**

Q.6 Compare the Dutch and French colonial architecture in context to their architectural style. [CO-5] [L-5] **8**

Q.7 Formulate the designing approach of modernism in Indian architecture with the help of one modern and famous architect's work. [CO- 6] [L-6] **8**

End Semester Examination, May 2022

Bachelor of Architecture – Sixth Semester

STRUCTURAL DESIGN-VI(AR-605)

Time: 3 hrs.

Max Marks: **60**

No. of pages: **1**

Note: Attempt **THREE** questions in all; **PART-A is compulsory**. Attempt any **TWO** questions from **PART-B**. Marks are indicated against each question.

PART-A

Q.1 Explain the following:

- a) Functions of shear wall.
- b) Assumptions of portal frame method.
- c) Terms and conditions of grillage foundation.
- d) Principal rafter with diagram.
- e) Rigid frame structure with line diagram.
- f) Grade of bolt 5.6.
- g) Braced frame structure with line diagram.
- h) Pitch of bolts with diagram.
- i) Edge distance and end distance of steel plate with diagram.
- j) How to calculate net tensile cross sectional area of a bolt?

2×10

PART-B

Q.2 Design a grillage foundation to support a column. The load of column is 1500 kN. The size of base plate is 700mm × 800mm. The safe bearing capacity of soil is 110 kN/m². The permissible bending stress is 220 N/mm². **20**

Q.3 Design the principal tie member of a fink type roof truss for the following data. Design also its connection with a 10 mm thick gusset plate using 18 mm diameter bolts of grade 4.8. Use steel of grade Fe410. Design tensile load is 140 kN and compressive force is 50 kN. Use factor of safety as per IS-800, and assume standard data as per IS-800 where necessary. **20**

Q.4 a) Write down ten points of design procedure of roof truss and explain them in detail. **10**
b) Write ten points, how to decrease the weight of a multistoried structure? **5**
c) Write five advantages and five disadvantages of multistoried buildings. **5**

End Semester Examination, May 2022

B. Arch. – Sixth Semester

STRUCTURAL DESIGN – VI (AR-605B)

Time: 3 hrs.

Max Marks: **40**

No. of pages: 2

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Use IS 800:2007. Assume any data if not given.

- Q.1
- List out all IS: Codes use for load on structure.
 - Write down all type of riveted joint failure.
 - Assumptions in theory of riveted joints.
 - Explain fillet weld and plug weld.
 - Why smaller size fillet welds are preferred.
 - What is shear lag?
 - What is the difference in behavior of long and intermediate columns?
 - What is inelastic buckling?

1x8

PART-A

- Q.2 Two ISF sections 200 mm X 10 mm each and 1.5 m long are to be jointed to make a member length of 3 meter. Design a butt joint with the bolts arranged in the diamond pattern. The flats are supposed to carry a factored tensile force of 450 kN. Steel is of grade Fe 410. 20 mm diameter bolts of grade 4.6 are used to make the connection. Also, determine the net tensile strength of the main plate and cover plates.

[CO-1] [L-1] **8**

- Q.3 Two plates 10 mm and 18 mm thick are to be jointed by double cover butt joint. Design the joint for the following data.

Factored design load: 750 kN

Bolt diameter: 20 mm

Grade of steel: Fe 410

Grade of bolts: 4.6

Cover plates 2 (one on each side): 8 mm thick

CO-2] [L-2] **8**

- Q.4 Groove weld is to connect two plates 180 mm × 18 mm each. Determine the design bending strength of the joint, if it is subjected to a moment of 13 kNm. Also, determine the adequacy of the joint if the shear force at the joint is 200 kN. Assume the welds to be of double-U shop welded.

CO3] [L-3] **8**

PART-B

- Q.5 A 300 ISF 8 mm of grade Fe 410 is used as a tension member in a lattice girder. It is connected to a 12 mm thick gusset plate by 18 mm diameter bolts of grade 4.6. Calculate the effective net area of the member, if
- Chain bolting is done as shown in the Figure. (a)
 - Zig-zag bolting is done as shown in the Figure. (b)

End Semester Examination, May 2021

B. Arch. - Sixth Semester

ARCHITECTURAL LEGISLATION (AR-606)

Time: 3 hrs

Max marks: 4

No. of pages:

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Give brief description of the following:

- a) Minimum setbacks.
- b) Floor Area Ratio (FAR) / Floor Space Index (FSI).
- c) ECS.
- d) Carpet area.

2x4

PART-A

Q.2 Discuss the roles of various statutory bodies like Development Authority, Municipal Development Authority. **8**

Q.3 What is heritage? Why it is necessary to protect heritage? In the light of conservation, explain the role of heritage regulations. **8**

Q.4 What is Land Use? Discuss various types of Land Use in Master Plan. **8**

PART-B

Q.5 Explain the need and importance of Master Plan as promoter of planned development of cities. Evaluate how far Master Plans have been able to achieve their objectives. **8**

Q.6 What do you understand by Architectural Controls. Explain its need and importance in creating quality built environment with suitable examples. Also, explain the importance of role, laws related to this. **8**

Q.7 What do you understand by architectural legislation? Elaborate its role and importance. **8**

End Semester Examination, May 2022
B. Arch. – Sixth Semester
GREEN AND INTELLIGENT BUILDING (AR-607A)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Explain the following (**any two**):

- a) Solarium.
- b) Cavity wall.
- c) Stack effect.

4x2

PART-A

Q.2 Elaborate the importance of sustainable building materials in green building rating system. Also, highlight the five low embodied building materials. [CO-1] [L-1] **8**

Q.3 Explain the rating system of India and name any five worldwide rating systems with their selection criteria. [CO- 2] [L- 2] **8**

Q.4 Explain in context of green building, maximize system efficiency, steps to reduce energy demand and use onsite source and sinks. [CO-3] [L-3] **8**

PART-B

Q.5 Define intelligent building as a possible concept of residential building with materials and techniques. [CO-4] [L-2] **8**

Q.6 What are the key issues to be taken care while designing an intelligent building? [CO-5] [L- 2] **8**

Q.7 What is BMS and how it plays an important role in intelligent building? [CO-6] [L- 3] **8**

End Semester Examination, May 2022
Bachelor of Architecture - Sixth Semester
BUILDING SERVICES- IV (MECHANICAL SYSTEMS/SERVICES AND HVAC) (AR – 608B)

Time: 3 hrs.

Max Marks: **40**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

- Q.1 a) Explain overall heat transfer coefficient (U-Value) in case of walls in a building.
b) Describe use of refrigerant.
c) Define aspect ratio in ducting.
d) Explain use of concrete slab used at the base in cooling towers. **2x4**

PART-A

- Q.2 a) Describe vapour compression refrigeration system with diagram. [CO-2][L-3] **4**
b) Explain with diagram natural & artificial ventilation. [CO-4][L-2] **4**
- Q.3 a) Explain use of psychrometric chart. Draw a handmade sketch of psychrometric chart showing all parameters. [CO-6][L-3] **4**
b) Explain use of different elements like wall, glass, partition, floor, ceiling, ventilation, fresh air etc in case of heat load from the perspective of heat transfer. [CO-5][L-1] **4**
- Q.4 a) Describe Round Trip Time (RTT) in vertical transmission in details. [CO-3][L-2] **4**
b) Explain the design factors considered in a lift. [CO-4][L-1] **4**

PART-B

- Q.5 a) Write down the steps required to calculate static head of a blower in AHU. [CO-2][L-2] **4**
b) Write down the steps required for condenser water pump head calculation. [CO-4][L-3] **4**
- Q.6 a) What is function of 3-way mixing valve along with thermostat? Describe with schematic diagram of the same. [CO-2][L-5] **4**
b) Describe with suitable schematic diagram the chilled water & condenser water system with chilling machines, pumps, piping arrangement, AHUs, FCUs, Cooling Towers etc. [CO-2][L-6] **4**
- Q.7 a) Draw a handmade sketch of piping of different services, ducting, cable tray arrangement with dimensions of space allocated above false ceiling in a building corridor. [CO-6][L-4] **4**
b) Describe with suitable diagram the valve and strainer arrangement for chilled water and condenser water system equipments like chilling machine, pumps, cooling tower and AHU. [CO-4][L-3] **4**

End Semester Examination, May 2022

Bachelor of Design – Sixth Semester

DESIGN FUTURING - (BDES-AN-403)

Time: 3 hrs.

Max Marks: **100**

No. of pages: 1

Note: Attempt **five** questions in all; **Q.1 is compulsory**. Attempt any **two** questions from **Part-A** and **two** questions from **Part B**. Marks are indicated against each question.

- Q.1 What is design futuring? How does it help to create and ideate futuristic projects / products to an animator or VFX professional? (CO 4, L 6) **20**

PART-A

- Q.2 Design futuring with technology of AR & VR – helping to have an immersive environment. Explain with an example. How does it help to ideate the futuristic design or immersive design? (CO 5, L 6) **20**
- Q.3 Design futuring is related to 'future studies', 'speculative design' and 'strategic foresight'. Elaborate in detail. (CO 4, L 5) **20**
- Q.4 'Futuristic design contains primarily on the ideation process, the new introduce methods to rethink traditional design tools through three methods: freeform, additive, and computational 3d sketching'. Explain in detail. (CO 3, L 6) **20**

PART-B

- Q.5 In design futuristic context- utilizing emerging technologies, many of these advances aim at removing the barriers that lead to exclusion. What does it mean and how it can be utilize to fulfill the film industry and innovation? (CO 5, L 5) **20**
- Q.6 "The recent trends in technology—augmented and virtual reality (ar/vr), motion tracking, machine learning, artificial intelligence, to name a few—are creating a more connected, innovative, and intelligent world". Read it carefully and understand and write in brief about how its related to design futuring. (CO 3, L 5) **20**
- Q.7 How 3d printers are decentralizing the manufacturing process, AR & VR technologies are creating new methods for humans to access and create information? (CO 4, L 6) **20**

End Semester Examination, May 2022

B. Design. – Second Semester

MATERIAL AND PROCESSES (BDES-205)

Time: 2 hrs.

Max Marks: **50**

No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

Q.1 What is MATERIAL AND PROCESSES how does it help or VFX professional, ANIMATORS to use in his profession and academics? WRITE WITH EXAMPLES.

(CO 4, L 6) **10**

PART-A

Q.2 Animator/ VFX person should know about the material – different types of material and its surfaces- explain with examples?

(CO 5, L 6) **10**

Q.3 What is the life cycle of wood- name few wood types in brief.

(CO 4, L 5) **10**

Q.4 Metal and alloy what is the difference between these two?

(CO 3, L 6) **10**

PART-B

Q.5 How metals and papers are using in the food industry and why a designer should know while designing packaging and animation for advertising?

(CO 5, L 5) **10**

Q.6 Knowledge of material and its process is all about knowing the lifecycle of a material. How it will benefit you if you are making a documentary on glass products OR Animated film – the character is made up of glass and Communication Design –An advertising campaign of a glass –glass used in windows and architecture or glass products?

(CO 3, L 5) **10**

Q.7 When you make an animated film on a Coca-Cola bottle or Can if you want to show after using/ drinking coke the bottle is thrown or kept in an empty crate along with other bottle or the can has been squeezed by hand of the user, the impact is based on material how you can show in film with VFX or animation?

(CO 4, L 6) **10**

End Semester Examination, May 2022
B. Design. – Second Semester
HISTORY OF ART AND DESIGN - II (BDES-206)

Time: 2 hrs.

Max Marks: **50**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

- Q.1 Write the complete timeline of Western Art History in flow chart format. Mention brief definitions of each, at least 10 Art era's in the timeline in correct Order to be defined.

10

PART-A

- Q.2 Explain the following in accordance to Contrast of Eastern and Western Art.

a) Religious calligraphy.

b) Religious paintings.

[CO-1] [L-2] **10**

- Q.3 Define in brief:

a) Cubism.

b) Dadaism.

c) Modernism.

d) Symbolism.

[CO-2] [L-1] **2½x4**

- Q.4 What were the major periods and styles into which European art of the Early Middle ages is classified? Explain in brief.

[CO-3] [L-3] **10**

PART-B

- Q.5 Describe the history and characteristics of illuminated manuscripts in insular art in early middle ages.

[CO-4] [L-4] **10**

- Q.6 Explain in Detail Modern Indian Art in context to modern ideologies.

[CO-5] [L-5] **10**

- Q.7 The view of global visual culture is dynamic and ever changing. Write in detail your interpretation of its impact.

[CO-6] [L-6] **10**

End Semester Examination, May 2022

B. Design. – Second Semester

MEDIA APPRECIATION (BDES-207)

Time: 2 hrs.

Max Marks: **50**

No. of pages: *1*

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Each question carries equal marks.

- Q.1 "Social Media plays an important role in our lives today, as it provides us authentic information, networking and entertainment across the globe." Evaluate this statement on the basis of at least four factors. (CO 4, L-5) **10**

PART-A

- Q.2 Is film making an art or a science? Discuss the question in the light of your understanding of how to study film Language? (CO 5, L 4) **10**
- Q.3 How would you go about setting a scene for a love story? Describe in detail the format, cinematography (camera shots and angles), music and the mis-en-scene. (CO 3, L-3) **10**
- Q.4 What are the five elements of camera? What advantage does a camera have over a hand drawing or painting? Analyse in the context of designing a poster for an 'Old age Home'. (CO 2, L-4) **10**

PART-B

- Q.5 Why is the course on media appreciation important for students of Design? Give examples. (CO 4, L 3) **10**
- Q.6 Select one film of your choice and put down its characteristics, like plot, protagonist, climax and last scene. Keeping the same plot and protagonist, re- creates the climax and the last scene. Draw story board to depict the new ending. (CO 4, L 6) **10**
- Q.7 Create a story board for the promotion of the film Terminator - 4. Give the plot details separately with a suggested protagonist. (CO 4, L 6) **10**

End Semester Examination, May 2022
Bachelor of Visual Arts – Eighth Semester
PROFESSIONAL DEVELOPMENT AND PROJECT MANAGEMENT- I
(BVA-DS-802)

Time: 3 hrs.

Max Marks: **50**

No. of pages: 2

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

- Q.1 a) The full form CGI is _____.
i) Computer-generated imagery
ii) Computer Great Graphics
iii) Computer Generated Pixel
iv) None of them
- b) What helpful visual analogy describes how the node-compositing process for VFX works?
i) Streams of mountain water flowing downhill and merging together into a final large river.
ii) Racing cyclists grouping together into a Peloton formation
iii) A well crafted deli Italian deli sandwich
iv) A newspaper editorial board's review process
- c) Grey pixelated areas in a composition matte depict what?
i) The foreground of the matte
ii) The background of the matte
iii) Semi-transparent areas
iv) Large objects or areas
- d) In what situation would use green screen for visual effects work not make any sense?
i) When working with footage of static objects, because they do not change shape or position.
ii) When using footage of a moving landscape shot from a car window
iii) When you want to replace bright sunny sky footage with thunderclouds and lightning
iv) When you want to recreate massive concert crowds like at the Live Aid 1985 concert
- e) Which of the following is not a component of pattern-based motion tracker tools?
i) Pattern region
ii) Shape manipulator
iii) Cross hair
iv) Search region
- f) What are Spline Curves, in the context of rotoscoping and visual effects work?
i) Outline shapes created when a digital artists adds control points to an image, creating a outlined shape the editing software recognizes and locks to.
ii) Color correction waves, where hue corresponds with amplitude
iii) Light spectrum curve tool used by editors to judge a shot's relative over or under-exposure.
- g) What is the first question effects artists should ask themselves before using green screen?

End Semester Examination, May 2022

Bachelor of Visual Arts - Eighth Semester

ACADEMIC WRITING-II (BVA-DS-803)

Time: 3 hrs.

Max Marks: **50**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

- Q.1 How academic writing helps a VFX professional or an animator to use in the Industry and Academics write in detail with the steps? [CO-4][L-6] **10**

PART-A

- Q.2 Why one should do literature review even before writing a project proposal and writing a research paper write down the few points of literature review you did for writing your thesis? [CO-5] [L-6] **10**

- Q.3 Researcher finds the required / desired data, what the benefits are and how much one should rely on online forms in compare to offline forms collected from the samples/ users? What is the sample size which makes you consider offline or online data? [CO-4] [L-5] **10**

- Q.4 Why one researcher collects the data from in person interviews and how does it helps to get the insight of the users for the purpose of validating hypothesis or an argument or an idea of the researcher? [CO-3] [L-6] **10**

PART-B

- Q.5 What are types of collecting data write about it in brief. [CO-5] [L-5] **10**

- Q.6 Project pipeline how much this knowledge is important and how does it help in project proposal, execution and implementation. [CO-3] [L-5] **10**

- Q.7 Qualitative or Quantitative analysis is to support your findings as researcher which one you have taken and why explain with example. [CO-4] [L-6] **10**

End Semester Examination, May 2022
B. Sc. (Interior Design) – Sixth Semester
PRACTICAL ASPECTS OF PROJECT MANAGEMENT(C-705B)

Time: 3 hrs.

Max Marks: **100**

No. of pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Write short notes on **(any five)**:

- a) PERT.
- b) BOQ.
- c) Purchase order.
- d) Project completion report.
- e) Project scope definition.
- f) Work breakdown structure.
- g) Time management.

4x5

PART-A

- Q.2 Describe the ways for better project management and the consequences of not using project management. [CO-1] [L-1] **20**
- Q.3 Differentiate between PERT and CPM elaborately. [CO-2] [L-2] **20**
- Q.4 Determine project cost management and importance of project cost management. Also discuss the process involved in cost management in detail. [CO-3] [L-3] **20**

PART-B

- Q.5 Analyze the project plan and approach to consistently deliver with suitable examples. [CO- 4] [L-4] **20**
- Q.6 What does project management entail? What are the intricacies of using good project management techniques? [CO-5] [L-5] **20**
- Q.7 Explain GANTT CHART, elaborately. Derive the basic procedure of constructing GANTT CHART and explain it with diagrammatic examples. [CO-6] [L-6] **20**

End Semester Examination, May 2022

B. Sc. (Interior Design) - Second Semester

COMMUNICATION - II (351.207A)

Time: 3 hrs.

Max

Marks: **50**

No. of

pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **ONE** questions from **PART-A** and **ONE** questions from **PART-B**. Marks are indicated against each question.

Q.1 Describe **any two** of the following:

- a) Significance of Verbal Communication.
- b) Important points while reading comprehensions.
- c) Visual Communication.

[CO- 1, 3&5] [L-2]

PART-A

Q.2 What are the different barriers of Communication? How to become an effective listener?

[CO-1 & 4] [L

Q.3 Explain all four styles of Communication with example.

[CO-1] [L

PART-B

Q.4 What do employers access through group discussion. What are the do's and don'ts of group discussion.

[CO- 3 & 4] [L

Q.5 What is the relevance of written communication? Discuss different types of written communications.

[CO- 2 & 6] [L

End Semester Examination, May 2022
B. Sc. (Interior Design) - Second Semester
HISTORY OF FURNITURE AND DECORATION - II (351.212A)

Time: 3 hrs

Max Marks: **50**
No. of pages: **1**

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. All questions carry equal marks.

- Q.1 Analyze the use of recycled furniture and its uses in today's society. Suggest materials that can be used to create recycled furniture. **10**

PART-A

- Q.2 Discuss the work of two famous cabinet maker of Georgian period. Support your answer with neat sketches. [CO-1] [L-3] **10**
- Q.3 Explain briefly the neoclassical style of 18th Century. [CO-2] [L-2] **10**
- Q.4 Explain about modern Victorian style furniture. [CO-2] [L-2] **10**

PART-B

- Q.5 Write briefly about the works of the following:
a) Michael Thonet.
b) Le-Corbusier. [CO-3] [L-2] **10**
- Q.6 Describe the works of two designers who were against the age of mass production and favored the traditional craftsmanship. [CO-3] [L-2] **10**
- Q.7 Compare the works of renown designers and give examples on how they have influenced furniture designers of the 21st Century. [CO-4] [L-4] **10**

End Semester Examination, May 2022
B. Sc. (Interior Design) - Second Semester
SOFT MATERIALS AND FINISHES (351.213A)

Time: 3 hrs.
Marks: **50**

Max

No. of

pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. All questions carry equal marks.

Q.1 Explain production network and methods used in manufacturing of Textiles.

[C-1] [L

PART-A

Q.2 Discuss the advantages and disadvantages of blending natural and man-made fibers.

[C-3] [L

Q.3 Describe woven fabrics. List three basic weaves and weave variations in detail with sketches.

[C-2] [L

Q.4 What are the types of fabrics? List 5 fabrics of each and write their properties.

[C-2] [L

PART-B

Q.5 Write down about the coloration, finishes and its categories in detail.

[C-1] [L

Q.6 List out the problems and ways the textile industry has addressed environmental and recycling issues.

[C-4] [L

Q.7 Choose appropriate textiles for bedroom of size 15 feet x 12 feet x 10 feet Explain in detail.

End Semester Examination, May 2022
B. Sc. (Interior Design) - Second Semester
WINDOW TREATMENTS AND ACCESSORIES (351.214A)

Time: 3 hrs.
Marks: **50**

Max

No. of

pages: 1

Note: Attempt **FIVE** questions in all; **Q.1 is compulsory**. Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B**. All questions carry equal marks.

- Q.1 Define the term 'window treatment'. Discuss in detail the factors to be kept in mind, while selecting treatments for a window.

PART-A

- Q.2 Define the terms of **(any two)** of the following:

- a) Heading.
- b) Cornice.
- c) Drapery.
- d) Grommet Pleat.
- e) Molding.
- f) Valance.

[CO-1] [L

- Q.3 "Window treatment plays as important role in overall design". Discuss in detail various types of curtains and their importance in treating a window. [CO-2] [L

- Q.4 Explain briefly the 'period style window treatment'. [CO-3] [L

PART-B

- Q.5 Write short notes on **(any two)** of the following:

- a) Latest trends in window treatment.
- b) Pleats and their uses.
- c) Hardware and Accessories.

[CO-3] [L

- Q.6 Define 'soft furnishing'. Discuss in detail various parts of soft furnishing with suitable examples. [CO-2] [L

- Q.7 Define 're-upholstery'. Discuss the advantages and disadvantages of re-upholstery in detail.