

2012-2013

B.Arch. 9th Semester Examination

AR501, Professional Practice

Credits:3

Time: 3 Hours

Maximum Marks: 60

Note: Attempt all questions.

- | | | |
|-------|--|----|
| 1 (a) | Describe function and powers of Council of Architecture. | 6 |
| (b) | Critically examine the various clauses of code of professional conduct related to advertisement of professional services. | 6 |
| 2 | Describe the procedure of holding architectural competition for the construction of a cafeteria (Estimated cost Rs. 5000000/-) at Medical College, AMU Aligarh | 12 |

OR

- | | | |
|--------|--|-----|
| 2' (a) | Explain prizes and honoraria as prescribed by Council of Architecture for architectural competitions. | 6 |
| (b) | Why the tender notice usually carries the clause like "the owner is not bound to accept the lowest or any tender"? | 6 |
| 3 | Explain the term 'Tender'. Describe various types of tenders along with their advantages and disadvantages. | 12 |
| 4 | Describe scale of charges for various architectural services offered by an architect. | 12 |
| 5 | Explain any two of the followings:- | 6+6 |
| | a. Challenges ahead with final year students at the time of leaving the college. | |
| | b. Penalty for falsely claiming to be an architect. | |
| | c. Earnest money | |

2012 – 2013

B.ARCHITECTURE AUTUMN (IX SEMESTER) EXAMINATION
URBAN DESIGN

(AR – 507)

Credits: 04

Maximum Marks : 60

Duration : Three Hours

- Note: – Answer all questions.
– Illustrate your answers with neat sketches.
– All questions carry equal marks

1. Discuss the scope of Urban Design. Explain how knowledge of Urban Design can benefit practice of Architecture. [12]
 2. Mention various architectural decisions, aspects, features, elements that effect the visual image of a place. How the visual image of a place can be enhanced through architectural measures. [12]
- OR
- 2'. Discuss the design implications of various objectives and principles of urban design in creating an urban environment/space. Substantiate with select examples. [12]
 3. Discuss 'Robustness' in urban design context. Explain how the edge of the space helps to make the place more robust. [12]
 4. Explain the continuity and enclosure, social usage of public realm, adaptability and the pragmatic considerations and their significance in urban design. [12]
 5. Explain any TWO of the following. [2×6=12]
 - (a) Visual Appropriateness.
 - (b) Quality of Richness.
 - (c) Central Public spaces of medieval towns.
 - (d) Ease of movement.

File - 2 = to 5:00 pm

Date 4/4/12

2012 – 2013

B.ARCHITECTURE AUTUMN (IX SEMESTER) EXAMINATION
(HOUSING & COMMUNITY PLANNING)

(AR – 511)

Credits: 04

Maximum Marks : 60

Duration : Three Hours

- Note: (i) Attempt all questions availing in built or otherwise given choices(s).
(ii) Give proper examples and sketches to elucidate your responses to questions.
(iii) Write question / Answer numbers properly.

1. Explain any TWO of the following in greater detail. [6×2=12]
 - (a) Land use and Physical Planning for Housing.
 - (b) Urban land ceiling and regulation Act 1976 (U.L.C.R.A '76).
 - (c) State and Status of Urban and Rural Housing in India.

 2. Explain any THREE of the following terms. [4×3=12]

(a) C.R.R.	(b) E.M.I.
(c) Margin Money	(d) Dual Affordability

 3. What is the nature and characteristics profile of slums in India. What is genesis of development and growth of slums in India. [12]
- OR
- 3'. Write short notes on any THREE of the following. [4×3=12]
 - (a) Approaches and strategies for Housing Urban Poor.
 - (b) U.C.D.
 - (c) Site and Services.
 - (d) Living conditions in the slums.

 4. What are various traditional practices of Rural House Construction? What is concept of Appropriate Rural Housing Technology. [12]

 5. Discuss any TWO of the following in greater detail. [6×2=12]
 - (a) Various types of disasters and architects role in Mitigating them.
 - (b) Non-engineered Buildings. How retro fitting of structures can overcome this problem.
 - (c) Concept of Reach-Relief-Repair and Rehabilitation.

2013-14
B.ARCH. (IX SEMESTER) EXAMINATION
AR 501, PROFESSIONAL PRACTICE

Maximum Marks: 60

Credits: 03

Duration: Three Hours

Answer all the questions.

Q.No.	Question	M.M.
1(a)	Discuss the role of Council of Architecture in regulating profession of architecture	[08]
1(b)	Define the following according to architects act 1972:-	[04]
	i) Architect	
	ii) Council	
	iii) Recognised qualification	
	iv) Indian Institute of Architects	
OR		
1'	Critically examine various clauses of code of professional conduct prescribed by Council of Architecture.	[12]
2(a)	What do you understand by architectural competition? Describe various types of architectural competitions.	[06]
2(b)	What are the advantages of holding architectural competitions?	[06]
OR		
2(b')	Discuss cost of conducting architectural competition.	[06]
3	Describe various types of tender along with their advantages and disadvantages	[12]
OR		
4(a)	Describe various stages of architectural services offered by an architect and fee due at every stage.	[06]
4(b)	Explain architects fee for the following	[06]
	i) Site visits	
	ii) Advisory consultancy	
	iii) Documentation and Communication Charges	
5(a)	Discuss various problems faced by a young architect in establishing his own office.	[06]
5(b)	Critically examine academic curriculum studied by you and its relevance in profession as observed by you during your training.	[06]

2013-14
B.ARCH. (WINTER SEMESTER) EXAMINATION
SUSTAINABLE ARCHITECTURE

Maximum Marks: 60

AR 509
Credits: 04

Duration: Three Hours

Write to the point answering all questions (which carry equal marks) availing inbuilt or other-wise choice. Support your write-ups with relevant examples and quotes.

1. What do you understand by P.O.E.? How does it help in evaluating sustainability of Designed Environment?
2. "Comfort is the single most important criterion of evaluating sustainability of design"- Comment and substantiate your statements by examples.
3. What do you understand by LEED? How does this system of Rating really help or does not help to evaluate Solar passive design.
4. Discuss in detail various aspects of sustainable architecture like Environment, Social & Economical.

OR

4. What do you understand by eco-friendly & energy efficient design/ Architecture?
 5. Differentiate between any FOUR of the following:
 - a) Economic Viability and Cost-Benefit Analysis.
 - b) Vernacular Design/ Techniques and Appropriate Technology.
 - c) Environmental Impact on Buildings and Impact of Building on Environment.
 - d) Power Sustained Living and Power Audit.
 - e) Sustainable Architecture and Sustainable Development.
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2014-2015
B.ARCH (IX SEMESTER) EXAMINATION
PROFESSIONAL PRACTICE
AR-501

Max. 60

Duration: 2 Hrs.

Answer all the questions.

Q.No.	Question	M.M.
1 (a)	Describe history of evolution of 'Architects Act 1972'.	6
(b)	Describe power and function of Council of Architecture.	6
OR		
1'	Critically examine and discuss in detail 'Draft Amendments to Architects Act 1972' as proposed by Council of Architecture	12
2 (a)	Explain the term 'Tender'. Discuss essential components of a tender notice.	6
(b)	Differentiate between 'Item Rate tender' and 'Lump Sum tender'.	6
OR		
(b')	Differentiate between 'Cost Plus Fee' and 'Cost Plus Fixed Fee with bonus/penalty' tender.	6
3(a)	Discuss general conditions for conducting architectural competitions as prescribed by Council of Architecture.	6
(b)	Discuss the appointment assessors and their duties in architectural competitions.	6
OR		
(b')	Explain requirements and duties of Technical Adviser & Professional adviser in architectural competitions.	6
4	Explain scale of charges for comprehensive architectural services as prescribed by Council of Architecture	12
5(a)	Discuss various problems faced by students of B. Arch during their training in architect's office.	6
(b)	Critically examine academic curriculum studied by you and its relevance in profession as observed by you.	6

2014-15
B.ARCH. (IXth SEMESTER) EXAMINATION

URBAN DESIGN
AR-507

Maximum Marks: 60

Credits: 04

Duration: Three Hours

Answer all the questions.

Support your answers with neat sketches.

Notations used have their usual meaning.

1. Mention various architectural decisions, aspects, features, elements that affect the visual image of a place. How the visual image of a place can be enhanced through architectural measures. [12]

OR

- 1' Explain various principles which help in making your design Responsive. [12]
2. What is permeability? How it affects the planning and designing the City/Town. [12]
3. How people personalise the existing environments/places/buildings to stamp their own taste and value. [12]
4. Discuss the social usage of Public Realm and their significance in urban design [12]

OR

- 4' Explain the design of central public spaces of towns during different historical periods. [12]

5. Explain any two of the following [2x6]
- a. Ease of movement.
 - b. Large scale Robustness and small scale Robustness
 - c. Richness
 - d. Visual appropriateness
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2014-2015
B.ARCHITECTURE WINTER (IX SEMESTER) EXAMINATION
HOUSING AND COMMUNITY PLANNING
(AR-511)

Credits: 04

Max Marks : 60

Duration : Three Hours

NOTE: i) Write to the point answering all questions availing inbuilt with Question no & its part marked and underlined at the head.

ii) Support your write-ups with relevant examples and quotes.

iii) Neat presentation of Graphics and write-ups carry additional weight-age within maximum marks of each questions.

Q-1. What is the status of rural & urban housing in the country? How has repealing of Urban Land Ceiling & Regulation Act 1976 changed the scenario? [15]

Q-2. Differentiate between any three of the following, detailing the inherent concepts:

- i) EMI and Steped up EMI .
- ii) Free hold and Lease hold.
- iii) FAR and Ground coverage.
- iv) EWS and SS Scheme.

[15]

Q-3. Write short notes on any three of the following

- i) Dual Affordability concept
- ii) Appropriate rural housing technology
- iii) Non-engineered buildings
- iv) Traditional Housing and disaster prone areas.

[15]

Q-4. Write an account on non-formal housing with an emphasis on slums and squatter settlements in the country, which are an area of concern for civic authorities and planners alike.

OR

What is the importance of rchabilitation in the 3-R s of rescue, relief and rchabilitation in the wake of disasters striking housing / settlements. How an architect- planner can give inputs to administration for its objective implementation.

[15]

2015-16
B.ARCH. (WINTER SEMESTER) EXAMINATION

URBAN DESIGN
AR-507

Maximum Marks: 60

Credits: 04

Duration: Three Hours

Answer all the questions.

Support your answers with neat sketches.

Notations used have their usual meaning.

1. What do you understand by the term Urban Design? Substantiate your answer with definitions and views/opinions of eminent professionals highlighting various aspects of urban design. [12]

OR

1. Discuss the features/elements that make a city Legible and Responsive. [12]
2. Explain the Continuity and Enclosure and Social usage of Public Realm with the pragmatic considerations and their significance in urban design. [12]
3. Discuss "Robustness" in urban design context. Explain large scale and small scale robustness with examples. [12]
4. Explain the basis by which visual richness of a place can be appreciated. [12]

OR

4. Explain the design of central public spaces of towns during different historical periods. [12]
5. Explain any two of the following [2x6]
- Permeability
 - Landmarks and Nodes
 - Character of a place
 - Variety and Choice

B.ARCH. (WINTER SEMESTER) EXAMINATION
HOUSING AND COMMUNITY PLANNING AR 511

Maximum Marks: 60

Credits: 04

Duration: Three Hours

Write to the point answering all questions (which carry equal marks) availing inbuilt or other-wise choice. Support your write-ups with relevant examples and quotes.

- 1 Discuss the dichotomy of surplus land and insignificant demand of Rural Housing scenario as against scarce land and high demand Urban housing in the country?
 - 2 List various housing and infrastructure development funding agencies at national and global level. What is the role of a central bank of a country in regulating the housing and infrastructure to the individuals and institutions?
 - 3 What are the ills and ailments of slums? What is the role of the government and NGOs in alleviating the miseries and living conditions of slum dwellers?
- OR
- 3' Discuss the pre requisites and procedure of securing a housing loan by an individual from any housing company or bank
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- 4 Differentiate between any **three** of the following:
 - a) Traditional practices of Rural Housing construction and appropriate Rural Housing Technology.
 - b) Margin Money and Pre-EMI interest .
 - c) Repair/ Restoration and Retrofitting.
 - d) Repo rate and Reverse Repo rate.
 - 5 Discuss with thumb-nail sketches any **three** of the following:
 - a) Semi-detached housing.
 - b) Duplex Housing.
 - c) Site and services scheme.
 - d) Group Housing.
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2012-13
B.ARCH. (9TH SEMESTER) EXAMINATION
PROFESSIONAL PRACTICE, VALUATION AND ARBITRATION
AR-517

Maximum Marks: 60

Credits: 04

Duration: Three Hours

Answer all the questions.

Assume suitable data if missing.

Notations used have their usual meaning.

Q.No.	Question	M.M.
1	Describe the role of Council of Architecture in regulating profession of architecture.	[10]
2	Explain the constitution of "Council of Architecture" as mentioned in section 3 of Architect Act 1972.	[10]
OR		
2'	Describe various stages of Architectural services offered by an Architect and fee due (as prescribed by COA) at every stage.	[10]
3	Describe in detail the purpose of valuation.	[10]
OR		
3'	Explain the Depreciation and the factors that causes depreciation and methods of calculating depreciation.	[10]
4	Write short notes on any five(5) of the following:	[03x5]
(a)	Window Dressing	
(b)	Land Locked Land	
(c)	Guideline Rate	
(d)	Annual Sinking fund	
(e)	Salvage Value	
(f)	Annuity	

Contd.....2.

- 5 An RCC roofed residential building of Ground Floor 1850 sq.ft. and First Floor 1500 sq.ft. is existing over a plot of 2500 sq.ft. Property is built on a corner plot. Age of GF is 15 years and that of FF is 5 years. Find the fair market value by adopting land and building method. Assume circle rate @ 15000/ sq. m and rate of construction @ 14000/ sq.m [7.5]
- 6 An old building has been purchase by a person at a cost of 3, 00,000/- excluding the cost of the land. Calculate the amount Sinking fund at 4% interest assuming the future life of the building as 20 years and the scrap value of the building as 10% of the cost of purchase. [7.5]

