Department of Architecture

F.Y. B.Arch. -End Semester Examination

Program: B.Arch.

Semester:-II

Subject Code: - 20UAR0206B

Name of the Course: - Climatology

Marks: 100

Time: - 3 Hours

Instructions: -

1. Question No. 1 and No. 4 are compulsory

- 2. Illustrate your answers with neat sketches wherever necessary
- 3. If some part or parameter is noticed to be missing, you may promptly assume it and should mention it clearly

Multiple Choice Questions - 2 marks each

(20 Marks)

- Q 1) In the air, the amount of water vapor is classified as?
 - a) Wind
 - b) Precipitation
 - c) Humidity
 - d) Temperature
- Q 2) A good tool for understanding the behaviour of wind in a driven area is
 - a) Wind rose
 - b) Wind vane
 - c) Wind Chart
 - d) Wind Catcher
- Q 3) What is defined as an imaginary line drawn through the North and South Poles?
 - a) Equator
 - b) Axis
 - c) Latitude
 - d) Meridian

Q 4) The summer solstice in India occurs around
a) 19 th July
b) 21 st June
c) 2 nd October
d) 16 th April
Q 5) The temperature van be measured as
a) Degree Celsius
b) Degree Fahrenheit
c) Percentage
d) Both A & B
Q 6) Which of the following design elements is suitable for hot and dry climates
a) Cavity wall
b) Trombe wall
c) Curtain wall
d) Dry wall
Q 7) Windows should be avoided facing which direction in the northern hemisphere
a) South
b) East
c) West
d) North
e)
Q 8) Shading devices can be
f) Fixed
g) Manual
h) Automatic
i) All of the above
Q 9) Monitor lighting, saw tooth lighting are types of
e) Windows
f) Doors
g) Skylights
h) None

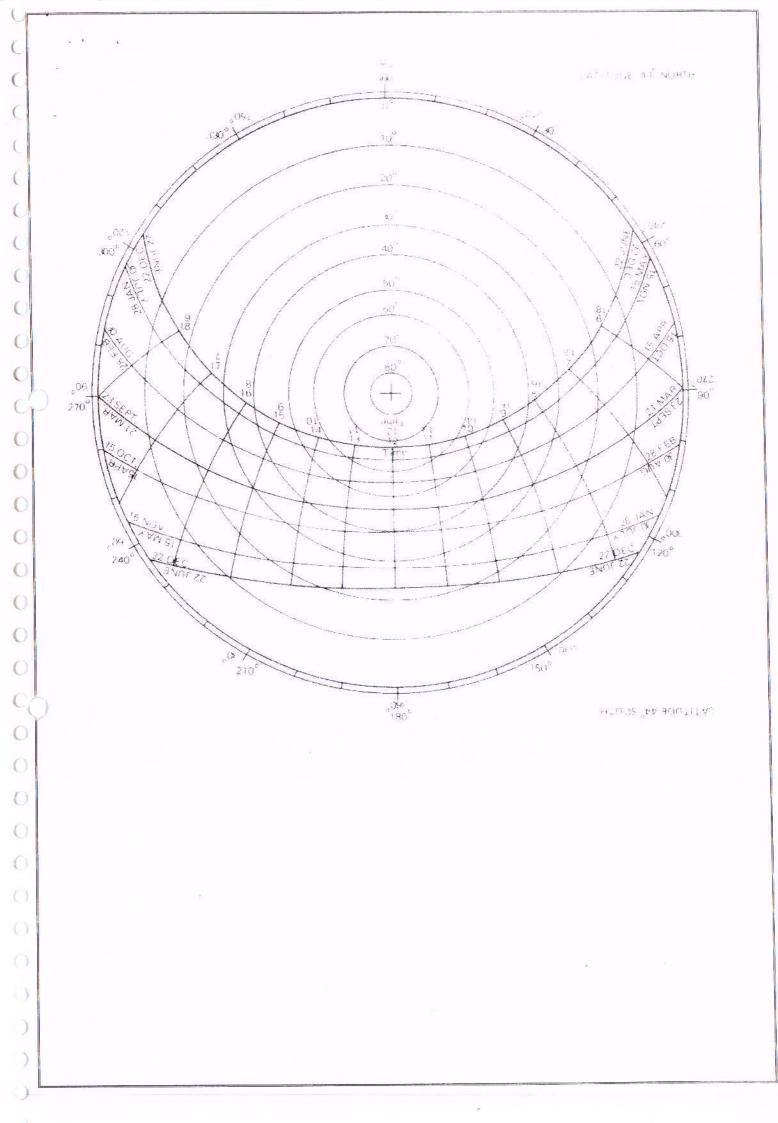
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Q 10) The	the windows, the	daylight but	the heat gain	
e) Larg	er, more, more			
f) Smal	ller, more, less			
Name of the second	er, more, less			
h) Larg	er, less, more			
Write Short	Notes on: (ANY 4) – 5	Marks each	(2	20 Marks)
Q 1) Describe ar	ny 3 ways in which weather	and climate can affect t	us	
Q 2) Describe in	mmediate and after effects o	of severe weather		
Q 3) Explain wl	hat is the effect of earth's til	t of rotational axis on ea	arth	
Q 4) What is da	ylighting, what are disadvar	ntages of improper dayl	ighting	
Q 5) What is to	pography and describe its in	npact on climate		
Attempt (AN	NY 4) long answer ques	stions– 12.5 Marks	each (50 Marks)
Q 1) Explain sh	ading devices, its important	ce and write about facto	rs affecting daylight p	performance
Q 2) What is da	ylighting, write about Princ	iples of daylighting wit	h neat and labelled sk	etches
Q 3) Write abou	ut the impact of solar mover	ment on climate		
Q 4) Explain th	e passive design strategies u	used in Hot and Dry Cli	mate with proper sket	ches
Q 5) Explain th building	e use of solar chart and shad	dow angle protractor for	r working out shading	devices for a
Mark the fol	llowing points on Solar	r Chart and find th		ltitude for the (10 Marks)
1. 15 th Ma	y 4 pm			
2. 2 nd Mar	ch Jan 9 am			
3. 15 th Ap	ril 2:30 pm			
4. 30 th Jul	y 2 pm			
5. 15 th No	v 7:45 am			

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End Semester Examination – May-June 2022

Program: B. Arch

Sem.: IV

Course Code - 20UAR0406B

Name of the Course: Building Services - II

Marks: 100

Time: 3 Hr

Instructions to the Students

- 1. Question number one is compulsory.
- 2. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
- 3. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly.

Q.1. A) Write True or False

(10)

- 1) High pressure and high temperature refrigerant evaporates in condenser and passes this heat to surrounding air blowing on the condenser coils.
- 2) Dehumidification of indoor air is accomplished by absorbing sensible heat in evaporator coils.
- 3) Compressor in an air conditioner takes refrigerant in liquid state and increases the pressure and temperature of refrigerant.
- 4) Reduction in pressure and temperature of refrigerant is done by T.X. valve.
- 5) Outdoor air coming in touch with Evaporator coil loses both sensible heat and latent heat.

Q. 1. B) Select the right answer from the options:

(10)

1. The unit of 2 Lux is equal to

- a) 2000 lumen per square feet
- b) 20 lumen per square meter
- c) 2 lumen per square meter
- d) 2 lumen per square feet

2. Luminous Efficacy of a lamp is given by

- a) Lux/Watt
- b) lumens/Watt
- c) Watt/Lux
- d) Watt/lumens

3. The quantity of light/luminous flux falling on a unit area of a surface is

- a) Luminous flux
- b) Illuminance

	c) Luminance	
	d) Luminous intensity	
	e fact that refractive indices differ for each wavelength of light produces	an effect
called		
	a) Reflection	
	b) Refraction	
	c) Dispersion	
	d) Absorption	
5. Refi	fractive Index of a material or substance is given as	
	a) The ratio of the speed of light in a vacuum to the speed of light in a m	naterial
	through which it passes.	
	b) The ratio of the speed of light in air to speed of light in a vacuum.	
	c) The ratio of the speed of light in a vacuum to speed of light in air.	
	d) The ratio of the speed of light in a material through which it passes to	the speed
	of light in a vacuum.	
Q. 2. '	Write short notes on ANY FOUR	
		(20)
	1) Diffraction	
	2) Latent Heat and sensible heat	
	3) Tonnage in Air Conditioning	
	4) Absorption of light and colors	
	The methods followed in the past to cool and condition the air. Deerly labeled sketches.	raw neat and
		(15)
Q. 4. E	Explain SLD for electrical Power System. Explain ohms law. Explain conc	ent of series
	it and parallel circuit.	ept of series
		(15)
	Explain Central Split - unitary or packaged air conditioning system with t and labeled sketch.	he help of

(15)

(15)

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Q. 6. Explain the following ONLY THREE

c) Split air conditioners

a) Basic Photometric Quantities

d) Tonnage in air conditioning

b) Concept of series circuit and parallel circuit

Department of Architecture

Second Year B.Arch. - Examination

Progr	am: B.Arch	Sem: III Regular
Course Code- 20UAR0305D Name of the course: Histor		Name of the course: History of Architecture - II
Mark	s- 100	Time: 3 Hours
Instru	ection to the students:	*
1.	Question number One and Two questions.	are compulsory. Attempt any five of the remaining
2. 3.		at sketches, diagram etc., where ever necessary. iced to be missing, you may promptly assume it and
Q1. M	Iultiple choice questions (2 mar	ks each): (Compulsory) (20 Marks)
1.	The Indus valley civilization was building walls: a. Wood. b. Cement. c. Burnt clay bricks. d. Mud.	as well known for which of the following materials for
2.	The cow gate was first utilized subcontinent: a. Mauryans b. Buddhist c. Dravidians d. Aryans.	by which of the following people in the Indian
3.	Which of the following Sites ar a. Sanchi b. Girnar c. Konark d. Khajuraho	re holly places associated with Jainism:
4.	is a transition and hall (mandapa) a. Kalasha b. Jagati c. Shikhara d. Antarala	rea between the Garbhagriha and the temple's main

Q3. Describe with neat sketches the architectural contribution of the Mauryan period with suitable examples. (12 Marks) Q4. Write a short note on Barabar Hills Caves, describe its architectural characteristics with the help of neat sketches. (12 Marks) Q5. Write a detail note on Jain temple city, with a suitable building example. (12 Marks) Q6. What are the architectural characteristics of Dravidian style of temple Architecture? Explain with sketches. (12 Marks) Q7. What is Mahayana Buddhism, how is it represented through architecture? Explain with the help of sketches. (12 Marks). Q8. Write a short note on evolution of rock cut architecture with neat sketches. (12 Marks) Q9. Write a detail note on Badami Caves of Chalukyas. (12 Marks) -----XXX------XXX------

Bachelor of Architecture

	First year (Semester I) Examination	on
Name of	f the course: Environmental Science Course Feb / March – 2022	Code: 20UAR0106E
Time: 3 I	Iours Hours	Marks: 100
Instruction	ons:	
1. Q	uestion No. 1 is compulsory.	
	ustrate your answers with neat and proportionate sketche	
	some part or parameter is noticed to be missing, you may	appropriately assume it
	d should mention it clearly.	
4. D	raw sketches wherever necessary	
Q1. Mu	ltiple Choice Questions:(2 marks each)	20 Marks
1. Whic	h Act is also known as the Umbrella Legislation	
	a. The Water (Prevention and Control of Pollution) Act	
	b. Air (Prevention and Control of Pollution) Act	
	c. The Environment (Protection) Act	
	d. Wildlife protection Act	
2. Whic	h amongst the following is an example of non-renewable r	resource
	a. Limestone	
	b. Sun	
	c. Wind	
	d. Water	
3. A lak	e is an example of type of ecosystem.	
	a. Marine Ecosystem	
	b. Fresh water Ecosystem	#
	c. Terrestrial Ecosystem	
	d. Salt Water Ecosystem	
4. Whic	ch amongst the following is the most traditional method of	waste disposal
	a. Incineration	
	b. Compaction	
	c. Landfill	
	d. Plastic roads	

5.			refers to the population shift from rural to urban areas.
		a.	Globalization
		b.	Civilization
		c.	Urbanization
		d.	Modernization
6.	A set o	of e	cosystems brought together is called a
	a.	Bi	osphere
	b.	Lit	thosphere
	c.	Hy	drosphere
	d.	Ea	rth
7.	Decca	n p	eninsula zone covers which of the following state in India?
		a.	
		b.	Arunachal Pradesh
		c.	Andhra Pradesh
		d.	Mizoram
8.	Grou	nd v	vater is recharged through structure called a
		a.	Storage pit
		b.	Soak pit
		c.	Cesspit
		d.	Harvesting pit
9.	Impo	rtar	nt Factors for successful EIA is
		a.	Right Timing to initiate EIA
		b.	Scoping and preparation of Terms of Reference
		c.	The quality of the information
		d.	All of the above
10	. India	has	been divided into biogeographic zones
		a.	12
		b.	15
		c.	10
		d.	9

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Q2. Draw neat and labeled sketches (any 2)

10 Marks

- 1. Energy flow in an Ecosystem
- 2. Food Chain
- 3. Rain Water Harvesting System

Q3. Write Short Notes on (any 4)

20 Marks

- 1. Write a short note on Natural Resources
- 2. Describe in brief any 4 negative impacts of loss of Biodiversity?
- 3. Explain Rainwater harvesting and its benefits
- 4. Explain environmental Movements
- 5. What is the difference between grassland and forest ecosystem?

Q4. Long Answers (any 5)

50 Marks

- 1. Write about Disasters, types of disasters and disaster management
- 2. Explain what is an ecosystem? Describe any 2 different types of ecosystem with neat sketches and list out their unique characteristic.
- 3. Write a short note on Waste, sources and impacts of waste
- 4. Explain EIA and list out the steps involved in conducting an EIA if the Government is planning to construct a highway?
- 5. Describe in detail any three renewable sources of energy preferably with sketches.
- 6. Write a short note on Environmental Protection Act
- 7. Describe biogeographic zones in India and explain any 2 in detail

M. Arch Environmental Architecture (First Year) Semester: I Subject: Green building Material Construction technologies Subject Code: 20PEA0104B Month and Year: February 2022 Time: - 3 Hours Marks: 100 Marks Q1. A. Tick the correct answer. (10 marks) 1. What is the minimum point requirement for LEED platinum certification? A. 36 B.52 C.42 D.45 2. Negative environmental impacts can be mitigated by performing... A. Preliminary Environmental Review. B. an Environmental Impact Assessment. C. LCA D. Both A AND B 3. Which of the following is a reusable building material from demolished buildings when constructing new buildings?

4. Green building practices include

A. plaster B. Paint C. Carpet D. Steel

A. Only energy efficiency

B. Only recycled materials

C. Only Environmental Protection D. All of these

5. Reducing indoor air pollutants helps with which of the following?

A. Lowering rental rates for the building

B. Improving occupant productivity

C. Day lighting and views

D. Reduced operational costs

Q1. B. Write short notes on any 5:

(10 Marks)

- 1. One way of recycling bricks and cement debris
- 2. Embodied energy
- 3. Low VOC paints
- 4. Green alternative to wood or steel for making furniture
- 5. Any 2 names of Green Building certifications in full form
- 6. Name any 2 ecofriendly materials and reason why.

Q.2 What are the pre requisites of IGBC CERTIFICATION for a green new building? Explain any 4 (10 Marks)

Q.3 Explain in detail the LCA process for a building material.

(10 Marks)

Bachelor of Architecture - First Year - Semester I Examination

Course name: Humanities	Course code: 20UAR0104H
Feb / Mar	rch - 2022
Time: 3 Hours	Marks: 100
Instructions: - 1. Question no. 1 is compuls	sory.
2. Attempt any 4 question	ns out of the remaining questions.
3. Figures to the right indica	ate full marks.
Q. No. 1: - Select correct answer from the statement.	e given options and write the complete (20 marks)
1. The 'Class' system is based on	
a. Birth	
b. Economic Status	
c. Skin Colour	
d. Literacy	
2. The 'Caste' system is speciality of	
a. India	en en
b. China	
c. Europe	
d. USA	
3. Social reform due to British rule in Ind	ia is
a. Transport facility	
b. Education	
c. Abolishing of 'Sati' system.	
d. Cricket	

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4. This is 100% Urbanised country
a. USA
b. Japan
c. India
d. Singapore
5. This is the largest populated city in the world
a. Delhi
b. Tokyo
c. New York
d, Mumbai
6. Future trend of Urbanization is stronger in
a. Japan
b. Australia
c. Russia
d. USA
7. A 'Fashion Garment' is a part of
a. Traditions
b. Values
c. Civilization
d. Beliefs
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8. A 'Cultural Lag' is difference between
a. Norms and values
b. Traditions and thoughts
c. life style and thinking
d. knowledge and skills

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9. This is a dissociative social process	
a. Assimilation	
b. Conflict	
c. Competition	
d. Accommodation	
10. In Sociology, a Nation is	
a. Association	
b. Primary Group	
c. Institution	
d. Community	
Q. No. 2: - Write in brief, similarities and differences between follow	ving terms.
(Any 2)	(20 marks)
(A) Accommodation & Assimilation	
(B) Status & Role	
(C) Competition & Conflict	
8	
Q. No. 3: - Draw neat sketches and explain the tools and impleme prehistoric man.	ents made by (20 marks)
Q. No. 4: - Explain the process of "Urbanization" and its effects or	n society. (20 marks)
Q. No. 5: - What do you understand by 'Culture'? Explain the eler and the phenomenon of 'Cultural Lag'.	nents of culture (20 marks)
Q. No. 6: What are social Institutions? Also explain the role of 'process of socialization.	Family' in the (20 marks)

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Bachelor of Architecture- First Year- Semester I Examination

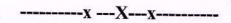
Cour	se Name- Design Fundamentals in Architecture	Course Code - 20UAR0105I
	February/March- 2022	
Time:	3 Hours	Marks: 100
Instru	ctions: 1. Question 1 & 2 are Compulsory	
	2. Attempt any Four of the remaining Six Que	stions (Q. No. 3 to Q. No.8)
	3. Figures to the right indicate full marks	
Q1. M	(ultiple Choice Questions (2 Marks Each)	(20 Marks
1.	was given conscious form and complexity	so as to make it decorative.
	a. Cloth	
	b. Food	
	c. Shelter	
	d. None of these	
2.	Position, orientation and visual inertia are the propert	ies of
	a. Space	
	b. Nature	
	c. Water	
	d. Form	
3.	improves surface quality in the work of art	
	a. Material	
	b. Light	
	c. Sound	
	d. Texture	
4.	Overhead plane is like a	
	a. Paper	
	b. Umbrella	
	c. Ceiling	
	d. Tree	
5.	were inventors of golden ratio.	
	a. Romans	
	b. Egyptians	
	c. Indians	
	d. Greeks	

	Balance means arrangement of elements around a central part.
a.	Radial
	Symmetrical
	Asymmetrical
	Axial
1	must be utilizing with their inherent qualities.
a.	Lines
b.	Colours
c.	Materials
d.	None of these
. Th	e objective of is to produce maximum visibility.
a.	Emphasis
b.	Fenestration
c.	Contrast
d.	None of these
. W	e move in time through a sequence of
a.	Forms
b.	Planes
c.	Levels
d.	Spaces
0. Ac	ctivities determine the
a.	Path
b.	Space
c.	Movement
d.	Motion
Write	short notes on any Four out of Five Questions (5 Marks Each) (20 Marks)
. Or	ganization of Space
	oportion & Scale
	uth in Architecture
	1 Artist
	extures & Patterns
re	nestration
	a. b. c. d. s. Th a. b. c. d. s. d. c. d. s. d. c. d. s. s. c. d. s. s. c. d. s. s. c. d. s. s. c. d. s. s. c. d. s. s. c. d. s. s. c. d. s. c. d. s. s. s. c. d. s.

Q3. Explain in brief the scope of Architecture	(15 Marks)
Q4. Describe the impact of built environment on human being.	(15 Marks)
Q5. What is the meaning of massing? What is its significance in Architecture?	(15 Marks)
Q6. State the importance of colour in architecture.	(15 Marks)
Q7. Describe giving examples how the use of different building materials can e	nhance the
aesthetics of a building.	(15 Marks)
Q8. Discuss any three principles of circulation supported with neat sketches	(15 Marks)

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Department of Architecture

First Year B.Arch. - Backlog Examination

	Prog	ram: B.Arch Sem: II Backlog
	Cour	se Code- 20UAR0206B (BAR20-125) Name of the course: Climatology
	Marl	Ks- 100 Time: 3 Hours
]	nstr	uction to the students:
	2.	Question number One and Two are compulsory. Attempt any Two 10 Marks and Two 15 Marks Questions of the remaining questions. Illustrate your answers with neat sketches, diagram etc., where ever necessary. If some part or parameter is noticed to be missing, you may promptly assume it and should mention it clearly.
(Q1. N	Multiple choice questions (2 marks each): (Compulsory) (20 Marks)
		Equator Axis Latitude
	d.	Revolution and Tilt of axis
	3.	The hemisphere of earth with the maximum tilt towards the sun will experience which of the following climates:
	a. b. c. d.	Summer Winter Autumn Spring
		Spring
	4. · a.	The atmospheric conditions in a specific area and at a specific time are called Weather
	b.	Climate
	c. d.	Season None of the above

	5.	is another form of indication or expression of atmospheric humidity.
	a.	Latency
	b.	Vapour pressure
	c.	Air pressure ·
	d.	Relative humidity
	6.	The unit of measurement for precipitation is .
	a.	Cm
	b.	Km
	c.	Dm ·
	d.	Gm
	7. a.	Which of the following design elements is suitable for warm and humid climates. Water body
		UCR mason
	c.	Cross ventilation
		flat roof
	u.	nat 1001
	8.	In cold and dry climates windows should be places in which of the following directions?
	a.	South
	b.	East
	c.	West
	d.	North
	9.	Day lighting is not responsible for providing:
	a.	Visual comfort
	b.	Reduce energy use
		Heat loss
	d.	None of the above
		Which amongst the following is not a type of shading device?
	a.	Cantilevers
		Louvers
	c.	Stone Jalis Doors
	d.	Doors
Q	2. Sh	ort answer type questions (5 marks each) attempt any 6 (30 Marks)
	1.	What is Climate?
	2.	What is Relative humidity?
	3.	What are summer and winter solstice?
		Wat are Latitudes & longitudes?
		What is glare?
		What are shading devices?
		What is a cavity wall?
		What is passive cooling?
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Department of Architecture

S.Y. B.Arch. - End Semester Examination

Program: B. Arch

Sem.: III

Course Code- 20UAR0307B

Name of the Course: Building Services - I

Marks: 100

Time: 3 Hr

Instructions to the Students

1. Question number one is compulsory.

- 2. Illustrate your answers with neat sketches, diagram etc., wherever necessary.
- 3. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly.

Q.1. A) Match the following. (Attempt any six)

(12)

- a) Ferrule
- b) Inspection Chamber
- c) Septic Tank
- d) Catchment area
- e) Ablution fixture
- f) Transpiration
- g) Expansion Joint

- 1) River bed
- 2) Draw off appliance
- 3) Drainage maintenance
- 4) Bath tub
- 5) Terrace floor
- 6) Weather effects
- 7) Forestation
- 8) Anaerobic bacteria
- 9) WC

Q. 1. B) Identify true or false. (Any four)

(86)

- a) Pressure increases with height.
- b) Dead end or Tree type network is same and mostly applicable to Indian cities.
- c) Sump pit is mandatory for water distribution.
- d) Ventilation is important for smooth functioning of drainage system.
- e) Domestic demand depends upon lifestyle and climatic conditions.

0. 2.	Enlist the types of distribution networks. Explain any two out of them w	ith the help
	of neat sketches, functions, advantages, and disadvantages of each.	(15)
Q. 3.	Draw neat sketch and explain the functioning (any two)	(10)
	a) Intercepting trap	
	b) Gate valve	
	c) Řigid joint	•
Q. 4.	Draw a neat section showing service connection. Explain the significant	nce,
14.77	ioning of each element in detail.	(15)
	What is centralized hot water system? What are its two types? Explain	each with
	sketches.	(12)
		PCC
	What is indirect mode of water supply? Draw a neat, labeled section of	(12)
unde	rground water tank.	1. 2
Q. 7.	Write short note on the following (any four)	(16)
9	a. Gate valve and Ball Valve	
	b. Pressure reducing valves	
	c. Bottle trap and Floor trap	
	d. HDPE pipes and steel pipes	
	e. Loop type vent and wet type vent	

Department of Architecture

First Year B.Arch. - Backlog Examination

	Sem: I Backlog	
ogram: B.Arch ourse Code- 20UAR01015D (BAR20-114) Name of the course: Design fundamentals in Architecture. Time: 3 Hours		
nstruction to the students:	ve of the remaining	
 Question number One and Two are compulsory. Attempt any Fi questions. Illustrate your answers with neat sketches, diagram etc., where ex If some part or parameter is noticed to be missing, you may prom should mention it clearly. 	ver necessary.	
Q1. Multiple choice questions (2 marks each): (Compulsory)	(20 Marks)	
 The product of art is essentially intended to satisfy ne a. Secondary b. Primary c. Tertary d. None of these 		
2was given conscious form and complexity so as to m	ake it decorative.	
a. Cloth b. Food c. Shelter d. None of these		
3 is a physical phenomenon of nature		
a. Soundb. Lightc. Musicd. Flash	*	
4. Position, orientation and visual inertia are the properties of		
a. Spaceb. Naturec. Waterd. Form		

Attempt any five Questions

Q1. Explain with sketches path and space relationship.	(10 Marks)
	(10 Marks)
	(10 Marks)
Q4. Discuss the seven lamps of architecture.	(10 Marks)
Q5. Describe giving examples how the use of different building materials can enhance aesthetics of à building.	nance the (10 Marks)
Q6. Describe any three principles of circulation supported with neat sketches.	(10 Marks)
Q7. Explain how architecture is a part of culture and write the aspects of culture.	(10 Marks)

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Bachelor of Architecture-First Year – (I Semester) Examination

Name of the Course: Building Construction Technology & Materials- I TH Feb / March - 2022	Course Code: 20UAR0102F
Time: 4 Hour	Marks: 10
Instructions:	*
1. Question No. 1 is compulsory.	moview medecopts
 Illustrate your answers with neat and proportionate sketches whe If some part or parameter is noticed to be missing, you may appro 	poriately assume it and should
mention it clearly.	1
4. Question No. 4. Should be solved on drawing sheet.	* 9 = 0
Q.1. Multiple choice questions: (2 Marks each)	20 Marks
1. Which of the following is not a type of continuous kilns?	
a) Bull's trench kiln	
b) Hoffman's kiln	te .
c) Down-draught kiln	
d) Tunnel kiln	
9	
2. What is the total percentage of aggregates in concrete by volume?	
a) 50-60%	
b) 70-80%	
c) 85%	
d) 50%	
3 is the lower half portion of the arch between the crow	n and the skewback.
a) Spandril	
b) springing point	
c) Haunch	
d) Voussoirs	
4. Which of the following is not a joint in stone masonry	
a) Tongued and grooved joint	
b) Dowel joint	

	c) Raked joint
	d) Butt joint
5.	Which of the following is not a varity of industrial timber?
	a) Veneers
	b) Plywood
	c) Baulk
	d) Fibre boards
6.	What is the size of fine aggregates?
	a) 4.75mm
	b) < 4.75mm
	c) > 4.75 mm
	d) 12mm
7.	Which one of the below is the next step after digging in the preparation of brick earth process
	a) Tempering
	b) Site selection
	c) Cleaning
	d) Unsoiling
8.	Which of the following statements about a frog is not true?
	a) A frog is used to indicate the trade name of the manufacturer
	b) It helps in cutting the brick in desired size
	c) It is a mark of depth about 10-20 cm
	d) It serves as a key for holding mortar
9	. The shape of Hoffman's kiln is in the plan.
	a) Circular
	b) Rectangular
	c) Hexagonal
	d) Trapezoidal
1	0. Which of the below should be avoided in brick masonry?
	a) Horizontal joints

	b) Queen closer	
	c) Brick bat	
	d) Vertical joints	
	Q. 2 Write short notes (any 3)	12 Marl
	a) Tunnel Kiln	
	b) Crushing test for stone	
)	c) Classification of Stones	8
0	iv) Advantages of Bamboo	
)	v) Any two types of Mud construction	
)		
)	Q.3. Answer the following questions in short (any 2)	08 Marl
	1. What are aggregates? Describe in detail its classification according to the size.	
)	 Differentiate between Igneous rocks and Sedimentary rocks. Explain the process of Bulking of sand. 	
)		
)	O. A. Angerray the following greations in Detail (any 2)	20 Max
	Q.4. Answer the following questions in Detail (any 2)	20 Mar
)	 Describe the operation of preparation of clay for the manufacturing of bricks. (With the help of necessary sketches) 	
)	Tempering process and pug mill dig. Is expected	
)	2. Describe the processes of manufacturing of cement in detail. (by any one process)	
)	3. Explain the process of preservation of Timber in detail. Explain any four defects in timber	
)	Q. 5. Give the sketches of the following: (any 2)	10 Mai
	1. Queen closer half and King closer	
	2. Pug mill	
1	3. Hoffman's kiln	
1 4		
)		

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Q.6. Draft the following using appropriate scale (any 2)

30 Marks

- a) Draw plan of odd and even course, elevation and isometric of one and half brick thick wall in double Flemish bond.
- b) Draw plan of odd and even course, elevation and isometric view of two brick thick wall in English bond.
- c) Draw a simple foundation for a hall admeasuring 3.0 x 4.0 mts. In stone masonry.
 - 1. Take wall thk.350 mm
 - 2. Depth of foundation 1.75 mt. below the ground.

Draw- (Use appropriate scale)

- 1. Key plan & section
- 2. Detail foundation section
- 3. Plan of footing
- 4. Isometric view of foundation.

--End of Paper-----

(c) Only (a)		*
(d) Both (a) and (b)	ia*	

Q2	Attempt ANY 6 questions Each question carries 08 (Eight) marks	. CO	BT level	Marks
a)	What are the advantages and disadvantages of Cloud Computing?	CO1	2	8
b)	With neat diagram explain Cloud File Systems.	CO2	3	8
c)	How to decompose a Monolithic Application into Microservices.	CO3	2	8
d)	What is cloud interoperability? Explain need of standardization in Cloud Computing and enlist standards given by various organizations.	CO4	3	8
) e)	Explain Infrastructure-as-a-Service (IaaS) in detail.	CO2	2	8
(f)	Elaborate the business model of eBay.	CO5	3	8
g)	Describe hybridization of business models with suitable example.	CO6	3	8
h)	What are the categories of security challenges in Cloud Computing? Explain in Detail.	CO4	2	8
i)	Explain cloud computing architecture in detail	CO1	2	8
j)	What are approaches to microservice discovery?	CO3	2	8

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Department of Architecture

F.Y. B.Arch. - End Semester Examination

Program: B.Arch

Sem:-II

Subject Code: - 20UAR0205B

Name of the Course:-Theory of Structure-I

Marks: 100

Time: 3 Hr.

Instructions:-

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- (i) Assume suitable data, if necessary.
- (ii) Figures to the right indicate full marks.

Q. No. 1:- Solve any FOUR

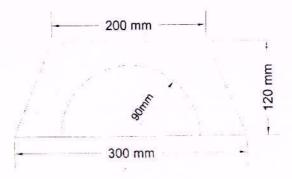
08 Marks

- (a) Find the C.G. of semi circle & right angle triangle with figure
- (b) Find the C.G. of trapezium & isolated triangle with figure
- (c) What are the types of loads?
- (d) What are the types of supports? Explain with neat sketch.
- (e) What are the types of loading? Explain with neat sketch.

Q. No.2 (a) A semicircle of 90 mm radius is cut out from a trapezium as shown is fig.

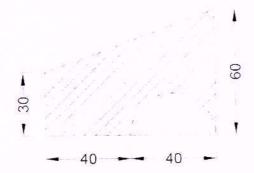
Find the position of the center of gravity of figure.

10 Marks



(b) A semicircle area is removed from a trapezium as shown in fig. Determine the centroid of the remaining area

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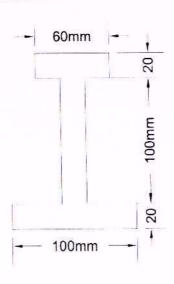


Q.3 (a) Find the moment of inertia about its C.G.



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(b) Find the moment of inertia about its C.G.



Q.4 Explain any TWO

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- (a) Theorem of parallel axis.
- (b) Theorem of perpendicular axis.
- (c) Explain the moment of inertia for rectangular section.

15 Marks

12 Marks

Q.	7 Multiple Choice Questions (20M)				
1.	Where the center of gravity of a circle lies?				
	a) At its centre b) Anywhere on its radius c) Anywhere on its circumference d) Anywhere	re			
on	its diameter				
2.	Where will be the center of gravity of the 12cmX3cm section will lie in coordinates?				
	a) (6,3) b) (6,6) c) (6,1.5) d) (1.5,3)				
3.	Example for cantilever beam is				
	a) Portico slabs b) Roof slab c) Bridges d) Railway sleepers				
4.	U.D.L stands for?				
	a) Uniformly diluted length b) Uniformly developed loads c) Uniaxial distributed load				
	d) Uniformly distributed loads				
5.	A beam which extends beyond it supports can be termed as				
	a) Over hang beam b) Over span beam c) Isolated beams d) Tee beams				
6.	The axis about which moment of area is taken is known as				
	a) Axis of area b) Axis of moment c) Axis of reference d) Axis of rotation				
7.	Which of the following is Dead load in the form of				
	a) Snow Load b) Wind load c) Self Weight Wall d) Both A and B				
8.	What is MOI?				
	a) ml ² b) mal c) ar ² d) None of the mentioned				
9.	A beam is supported on more than two supports is known as				
	a) Cantilever beams b) Tee beams c) Continuous beams d) Fixed beams				

10. Which of the following is not included in imposed load classification?

a) Residential Load b) Earthquake load c) Educational Load d) Industrial Load

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Bachelor of Architecture-First Year - (I Semester) Examination

Name of	the Course: Building Construction Technology & Materials- I TH Feb / March - 2022	Course Code: 20UAR0102B
Time: 4	Hour	Marks: 100
Instruct	ions: Question No. 1 is compulsory.	
2 1	Unetrate your answers with neat and proportionate sketches whe	rever necessary.
3. 1	f some part or parameter is noticed to be missing, you may appro	opriately assume it and should
j	mention it clearly.	
4.	Question No. 4. Should be solved on drawing sheet.	
Q.1. M	ultiple choice questions: (2 Marks each)	20 Marks
	Which of the following is not a type of continuous kilns?	
	a) Bull's trench kiln	
	b) Hoffman's kiln	
	c) Down-draught kiln	
	d) Tunnel kiln	
2.	What is the total percentage of aggregates in concrete by volume?	
	a) 50-60%	
	b) 70-80%	
	c) 85%	
	d) 50%	
3.	is the lower half portion of the arch between the crow	n and the skewback.
a)	Spandril	
b)	springing point	
c)	Haunch	
ď) Voussoirs	
4	. Which of the following is not a joint in stone masonry	
	a) Tongued and grooved joint	
	b) Dowel joint	

	c) Raket John
	d) Butt joint
5	Which of the following is not a verity of industrial timber?
Э,	Which of the following is not a varity of industrial timber?
	a) Veneers
	b) Plywood
272	c) Baulk
~	d) Fibre boards
6.	What is the size of fine aggregates?
	a) 4.75mm
	b) < 4.75mm
	c) > 4.75mm
	d) 12mm
7.	Which one of the below is the next step after digging in the preparation of brick earth process?
	a) Tempering
	b) Site selection
	c) Cleaning
	d) Unsoiling
8.	Which of the following statements about a frog is not true?
	a) A frog is used to indicate the trade name of the manufacturer
	b) It helps in cutting the brick in desired size
	c) It is a mark of depth about 10-20 cm
	d) It serves as a key for holding mortar
9.	The shape of Hoffman's kiln is in the plan.
	a) Circular
	b) Rectangular
	c) Hexagonal
	d) Trapezoidal
	No. promote The demonstrating to
10	. Which of the below should be avoided in brick masonry?
	a) Horizontal joints

12 Marks Q. 2 Write short notes (any 3) a) Tunnel Kiln b) Crushing test for stone c) Classification of Stones iv) Advantages of Bamboo v) Any two types of Mud construction 08 Marks O.3. Answer the following questions in short (any 2) 1. What are aggregates? Describe in detail its classification according to the size. 2. Differentiate between Igneous rocks and Sedimentary rocks. 3. Explain the process of Bulking of sand. 20 Mark Q.4. Answer the following questions in Detail (any 2) 1. Describe the operation of preparation of clay for the manufacturing of bricks. (With the help of necessary sketches) Tempering process and pug mill dig. Is expected 2. Describe the processes of manufacturing of cement in detail. (by any one process) 3. Explain the process of preservation of Timber in detail. Explain any four defects in timber. 10 Mark O. 5. Give the sketches of the following: (any 2) 1. Queen closer half and King closer

b) Queen closer

c) Brick bat

2. Pug mill

3. Hoffman's kiln

d) Vertical joints

Q.6. Draft the following using appropriate scale (any 2)

30 Marks

- a) Draw plan of odd and even course, elevation and isometric of one and half brick thick wall in double Flemish bond.
- b) Draw plan of odd and even course, elevation and isometric view of two brick thick wall in English bond.
- c) Draw a simple foundation for a hall admeasuring 3.0 x 4.0 mts. In stone masonry.
 - 1. Take wall thk.350 mm
 - 2. Depth of foundation 1.75 mt. below the ground.

Draw- (Use appropriate scale)

- 1. Key plan & section
- 2. Detail foundation section
- 3. Plan of footing
- 4. Isometric view of foundation.

-----End of Paper-----

Department of Architecture

S. Y. Arch -End Semester Exam

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ogram: B. Arch Semester –III	
Course Code – 20UAR0303B	Name of the course –BCTM – III(TH)
Marks - 100	Time – 4 Hours
Instructions to the Students	
1. Question number one is compulsory.	R 48
2. Illustrate your answers with neat sketches, diagram etc., w	wherever necessary.
3. If some part or parameter is noticed to be missing, you manner mention it clearly.	ay appropriately assume it and should
4.Question no 2 and 3 should be solved on drawing sheet. A	nswer any 2 out of remaining
5. Choose appropriate scale and assume suitable data.	
Q.1 Choose correct alternative.	
1. Veneers are thin slices of wood.	
a. Artificial b. Synthetic c. Composite D. Sap	
2. Slates are type of	
a. Roofing tiles b. flooring tiles c. Paving tiles D. C	Ceiling Tiles
3. A finish which is actually applied on site is known as –	
a. Site Finish b. Finishing Coat c. Applied Finish d	I. Coating
4. After heating Gypsum turns into	
a. Fine Powder b. Rock solid c. Thick Granules	d. Liquid
5. A horizontal beam connecting two rafters in a roof truss i	is known as
a. Principle Rafter b. Ridge Beam c. Wall Plate	d. Tie Beam
6. The large dressed Piece of timber is known as	
a. Timber b. Plywood c. Battens d. Seasoned woo	d
7. Veneers of non-precious wood are used in making	
a. Plywoodc. Sandwich Board	
b. Veneer Board d. MDF	
8. Waste wood particles are used to produce -	

a. Particle boardd.LDF
b. HDF boardc. Both a and c
9 are used to increase the strength of gypsum plaster.
a. wood Fibers b. Steel Reinforcement. C. Cement d. Metal Sheets
10. Which of the following artificial wood is strongest in resisting sagging and bending.
a. Particle boards b. Chip board c. block board d. Ply board
11. HDF and MDF are types of
a. Particle Board b. Fibre Board c. Synthetic Board d. Ceiling Board
12. The process of finishing the mortar joints is known as
a. Pointing b. Grinning c. Punning d. Plastering.
13. Thin slices of wood are together to make plywood.
a. Nailed b. Pressed c. Melted d. glued
14 roof trusses are used where span is 9.5 Meters.
a. Double Joist b. Queen Joist c. King post d. Queen post
15. Identify the false ceiling type.
a. Concealed grid
b. Exposed Grid
C. Crisscross grid.
d.None of these.
16trees grows comparatively faster.
a. Hard Wood b. Dark wood c. Flexi wood d. Soft Wood
17. In plywood grade CWR, BWR, What W stands for?
a. Warp b. Water c. Washable d. None of these
18. Flush Doors are made up of
a. Plywood b. HDF c. LDF d. Block Board
19. Soffit Cleat is fixed to
a. Top of slab. b. Top of False Ceiling c. Base of Slab d. Base of Ceiling.
20. In 1:1:6 mortar ration what 1 stands for?

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 Q. 2Design a wooden floor for a hall at 2nd floor with the help of following data Size of the hall - 3.75 X 7.5 mtrs Floor to floor height - 3.6 mtrs Wall thickness - 230 mm 	
Drawing Requirements Key plan, key section Detail plans and sections Joinery between various members	
Q. 3Design a roofing truss for a ware house of size - 6 meters × 10 meters Clear height 3.6 mtrs	
Drawing Requirements Key plan, key section Detail plans and sections Joinery between various members	
Q4. Write a detailed note on Exposed grid false ceiling explain the joinery, fixing of electrical fixtures with the help of sketches.	10

Q.5 Write a detail note of types of partition walls. Draw neat and labelled sketches

Q.6Write a note on application of paints.

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Department of Architecture

S. Y. Arch –End Semester Exam

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Program: B. Arch	Semester –III	
Course Code – 20UAR0303B	Name of the course –BCTM – III(TH)	
Marks - 100	Time – 4 Hours	
Instructions to the Students		
 Question number one is compulsory. 	4,	
Illustrate your answers with neat sketches, diagram etc.,	wherever necessary.	
If some part or parameter is noticed to be missing, you n mention it clearly.	may appropriately assume it and should	
4.Question no 2 and 3 should be solved on drawing sheet.	Answer any 2 out of remaining	
5. Choose appropriate scale and assume suitable data.		
Q.1 Choose correct alternative.		
1. Veneers are thin slices of wood.		
a. Artificial b. Synthetic c. Composite D. Sap		
2. Slates are type of		
a. Roofing tiles b. flooring tiles c. Paving tiles D. (Ceiling Tiles	
3. A finish which is actually applied on site is known as –		
a. Site Finish b. Finishing Coat c. Applied Finish c	d. Coating	
4. After heating Gypsum turns into		
a. Fine Powder b. Rock solid c. Thick Granules	d. Liquid	
5. A horizontal beam connecting two rafters in a roof truss i	10 to	
a. Principle Rafter b. Ridge Beam c. Wall Plate	d. Tie Beam	
i. The large dressed Piece of timber is known as		
a. Timber b. Plywood c. Battens d. Seasoned wood		
7. Veneers of non-precious wood are used in making	9	
. Plywoodc. Sandwich Board		
. Veneer Board d. MDF		
. Waste wood particles are used to produce -		

b. HDF boardc. Both a and c
9 are used to increase the strength of gypsum plaster.
a. wood Fibers b. Steel Reinforcement. C. Cement d. Metal Sheets
10. Which of the following artificial wood is strongest in resisting sagging and bending.
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12. The process of finishing the mortar joints is known as
a. Pointing b. Grinning c. Punning d. Plastering.
13. Thin slices of wood are together to make plywood.
a. Nailed b. Pressed c. Melted d. glued
14roof trusses are used where span is 9.5 Meters.
a. Double Joist b. Queen Joist c. King post d. Queen post
15. Identify the false ceiling type.
a. Concealed grid
b. Exposed Grid
c. Crisscross grid.
d.None of these.
16trees grows comparatively faster.
a. Hard Wood b. Dark wood c. Flexi wood d. Soft Wood
17. In plywood grade CWR, BWR, What W stands for?
a. Warp b. Water c. Washable d. None of these
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a. Plywood b. HDF c. LDF d. Block Board
19. Soffit Cleat is fixed to
a. Top of slab. b. Top of False Ceiling c. Base of Slab d. Base of Ceiling.
20. In 1:1:6 mortar ration what 1 stands for?
a. Cement and sand b. Lime and Sand c. Cement and Lime D. Cement and Water

a. Particle boardd.LDF

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 Q. 2Design a wooden floor for a hall at 2nd floor with the help of following data Size of the hall - 3.75 X 7.5 mtrs Floor to floor height - 3.6 mtrs Wall thickness – 230 mm 	
Drawing Requirements Key plan, key section Detail plans and sections Joinery between various members	
Q. 3Design a roofing truss for a ware house of size - 6 meters × 10 meters Clear height 3.6 mtrs Drawing Requirements Key plan, key section Detail plans and sections Joinery between various members	
Q4. Write a detailed note on Exposed grid false ceiling explain the joinery, fixing of electrical fixtures with the help of sketches.	10
Q.5 Write a detail note of types of partition walls. Draw neat and labelled sketches	10
Q.6Write a note on application of paints.	10

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Department of Architecture

F.Y- B. Arch. - End Semester Examination - Backlog Program: Bachelor of Architecture Sem: II Course Code: 20UAR0202B (BAR20-122 TH) Name of the Course: BCTM- II TH Marks: 100 Time: 3 HrS Instructions: 1. Question No. 1 is compulsory. 2. Illustrate your answers with neat and proportionate sketches wherever necessary. 3. If some part or parameter is noticed to be missing, you may appropriately assume it and should mention it clearly. 4. Use 1:5 or 1:10 scale for blown up details 5. Use millimeters (mm) while drawing. Q.1. Multiple choice questions: 10 Marks i. ______ is a very light roof covering. a) Shingles b) Patent tiles c) Thatch d) Trafford asbestos cement tile ii. The Mangalore tile is one of _____ type of tiles. a) Asbestos cement b) Patent c) Trafford d) Corrugated sheets are obtained from the cement which is mixed with about 15% of iii. asbestos fibre. a) Asbestos cement b) Corrugated Galvanized iron c) Trafford d) Shingles iv. The vertical portion between each tread on the stair is called: a) Going b) Nosing c) Winder d) Riser __ stairs are a variation of L shaped stairs. a) Winder b) Spiral c) Half turn d) Switch back vi. The figure below represents a:

a) Dog-legged stairs
b) Turning stairs
c) Straight stairs
d) Well stairs
vii. In all steps lead in one direction only.
a) Turning steps
b) Circular steps
c) Straight steps
d) Geometrical steps
viii. Stair turning through one right angle is known as a stair.
a) Quarter- (urn
b) Half-turn
c) Dog-legged
d) Open navel
ix. In windows, the shutters are allowed to swing around the pivot.
a) Swing
b) Sliding
c) Pivoted
d) Glazed
x windows are similar to the sliding doors and the shutter moves on the roller
ass, ether norizontany or vertically.
a) Sliding
b) Swinging
c) Rolling
d) Metal
Q2} Draw the proportionate sketch with detail labelling and dimension of members from
the following- (any four) 20 marks
A) Draw different Types of roofs
B) Fixing of teak wood louvered to door
C) Fixing of handrail to staircase
D) Fixing of glass louvered to teakwood panel
E) Different types of panel door
Q3) Solve any two
a) A Timber staircase is to be constructed for the constructed for
a) A Timber staircase is to be constructed from the floor of a shop having size of 4.0 m x 8.0 m to reach to the Mezzapine floor of bit 1.2.2 in m.
m x 8.0 m to reach to the Mezzanine floor of height 2.1m. The total height of the shop is 4.2 m. Draw key plan key goesting 15.1
shop is 4.2 m. Draw key plan, key section, Enlarged detail of fixing of Trade to
Riser, fixing of Trade to Stringer and isometric view of cut stringer
b) b. Draw neat and labelled Section of the
b) b. Draw neat and labelled Section of the queen post roof truss for a span of 9 mt
x 18 mts shed, with wall thickness as 0.23 mt and brick pier of 0.4 \times 0.4 mts
placed centre to centre, draw Key plan, enlarged section, and blown up details
of joinery.

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c) Draw a teakwood and glazed casement win	ndow which is 0.9 X 1.2 mts.
Draw- plan elevation and section (1:10)	
Details of fixing of Glass to style (1:5)	
Fixing detail at glazing bar (1:5)	
Q2 Solve any one	30 marks
A) Design a king post roof Truss for a shade admeas	suring 3.6 x 9 mts (1:20). Draw plan
elevation & section showing all details of membe	rs (1:10 or 1:5). Draw joinery detail of
king post to tie beam and Strut (1:10 or 1:5).	# #
OR	
B) Draw a corner window with size 1.2mt width from	both sides and 1.2 mt height. (1:10)
Draw plan elevation and section (1:5)	
Detail of fixing of corner post to horizontal post (1	:5)
Fixing of frame and style glass and bead (1:5)	
End of Paper.	
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Department of Architecture

F.Y.B.Arch. - End Semester Examination - Backlog

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Program: Bachelor of Architecture	Sem: 1
Course Code: 20UAR0102B (BAR20-112 TH) Name of the Course: Building Construction Techn	nology & Materials-11H Time: 3 Hr
Marks: 100	Time. 3 In
Instructions:	
1 Question No. 1 is compulsory.	
2. Ulustrate your enewers with neat and proportionate sketches wherever necessary	ıry.
3. If some part or parameter is noticed to be missing, you may appropriately assi	ime it and should
mention it clearly.	
4. Question No. 4. Should be solved on drawing sheet.	
Q.1. Multiple choice questions: (2 Marks each)	20 Marks
i) What is the shape of a brick that has not been cut?	
a) Cube	
b) Cuboid	
c) Trapezoidal ,	
d) None of these	
ii) The depression provided in the face of a brick during its manufacturing is called:	
a) Frog	
b) Furrow	
c) Groove	
d) Scallop	
iii) Stones are obtained from rocks that are made up of:	
a) Ores	
b) Minerals	
c) Chemical compounds	
d) Crystals	
iv) What is sand composed of?	
a) Silica	
b) Silicon	
c) Silicon oxide	
d) Quartz	
v) A building can be mainly divided into how many components?	
a) 2	
b) 3	
c) 6	

vi) Mortar is a mix of

- a) Water, cement and fine aggregate
- b) Husk, jaggery and mud
- c) Water and cement
- d) All of above

vii) Which of the following is not a type of bamboo joint?

- a) Bevelled
- b) Flute mouth
- c) Tongue and Groove
- d) Fish mouth

viii) Which of the following is a hand tool used for quarrying?

- " a) Plier
 - b) Hammer
 - c) Quarrying wire
 - d) XSM

ix) Match the following:

P. adhesives	(i) sand, cement, and water
Q. mortar	(ii) tree trunk
R. brick	(iii) vegetable starch
S. timber	(iv) clay

- a) P-(iii), Q-(iv), R-(i), S-(ii)
- b) P-(i), Q-(iii), R-(ii), S-(iv)
- c) P-(iv), Q-(ii), R-(i), S-(iii)
- d) P-(iii), Q-(i), R-(iv), S-(ii)

x) Match the following:

(P) Widening joint	(i) Dovetail joint
(Q) Lengthening joint	(ii) Tongue and Groove joint
(R) Bearing joint	(iii) Half-Blind Dovetail joint
(S) Finger joint	(iv) Table joint

- a) P-i, Q-iv, R-ii, S-iii 🕏
- b) P-ii, Q-iv, R-i, S-iii
- c) P-iii, Q-i, R-ii, S-iv
- d) P-iv, Q-ii, R-i, S-iii

Q.2. Write short notes (Any 6): (5 Marks each)

30 Marks

- i) What are the important qualities of brick?
- ii) Explain the Bulking of sand in detail.
- iii) What are the important properties of mortar?

iv) List down any three uses of bamboo as a building element and write any three
advantages of bamboo construction.
v) Distinguish between Igneous rocks and Sedimentary rocks.
vi) Define Exogenous trees and Endogenous trees.
vii) Fine Aggregates
viii) Field test for cement.
Q.3. Answer the following: (Any 3)
i) Describe the operation of preparation of clay for the manufacturing of bricks.
(With the help of necessary sketches)
ii) Describe in details any three types of Defects in timber.
iii) Explain the structural components of building with the help of necessary sketches.
iv) Explain the process of Manufacturing of ordinary cement by dry process method.
Q.4. Draft neatly the following with appropriate scale : 20 Marks
i) Draw plan and three successive courses of one brick thick wall in English bond. (1:100)
ii) Draw a detail section and plan of Load bearing foundation showing all its important nomenclature. (1:10)
Take -Thickness of brick.wall is 350 mm.
Depth of foundation 1200 m m below the ground.
Size of footing 900 X 900 mm. (Assume suitable data & mention it)
Draw
Key plan & Section (1: 50)
Detail Foundation section. (1:10)
Plan of Foundation. (1:10)
Isometric view of Foundation.
End of Paper

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Department of Architecture

First Year B.Arch. - Examination

Progr	m: B.ArchSem: II Regular					
Cours	Course Code- (20UAR0204D) Name of the course: History of Architecture - I					
	Marks- 100 Time: 3 Hours					
Instru	etion to the students:					
1. 2. 3.	Question number One and Two are compulsory. Attempt any five of the remaining questions. Illustrate your answers with neat sketches, diagram etc., where ever necessary. If some part or parameter is noticed to be missing, you may promptly assume it and should mention it clearly.					
Q1. M	ultiple choice questions (2 marks each): (Compulsory) (20 Marks)					
1.	Earliest known phase of Stone Age is called a. Mesolithic b. Neolithic c. Paleolithic d. Cretaceous					
2.	Preferred building material for prehistoric hunting and gathering human beings living in cold and frigid climate would be a. Wood b. Clay c. Stones d. Animal bones					
3.	The Mesopotamian civilization received water from which of the following rivers? a. Indus River b. Yellow River c. Tigris River d. Nile River					
4.	The ramped Ziggurat can be found in which of the following places? a. Khorsabad b. Dashur c. Ur d. Persepolis					

5		The material preferred by the Egyptians for building monumental structures was? Marble
	b	
	C	5
	C	. wood
6		Which of the following temples is carved out of a single piece of rock?
	a	. Temple of Kom Ombo . Temple of Luxor
	C	- 1873
		I. Temple of Abu Simbel
-	7 7	The lien Gete is located in which of the following atmost was?
,		The lion Gate is located in which of the following structures? Treasury of Atreus
		palace of Mycenac
		Palace of Minos
		I. Palace of Sargon the II
8	3. (Greek theatres were built upon?
		Mountain slopes
		o. Flat land
	(. Mountain peaks
	(I. River valley
ç	9. 7	The Aqueduct is a structure built by the Romans for?
	ä	. Building Roads
	ł	p. Entertainment
	9	c. Supplying Water
	(I. None of the above
	10.	The space built by Romans for public discussions is called?
	č	a. Propylon
	1	o. Agora
		c. Forum
	(l. Basilica
Q2.	Wri	te Short notes / Sketches or both on any four questions (5 Marks each)
		(20 Marks)
	. ,	
		Γhe hanging garden, Babylon.
		Γholos tomb.
		Erechtion.
		Draw a neat Section of the Great pyramid of Giza (Khufu/Cheops)
		Egyptian columns
	6.	Write a short note on Chinese civilization

Attempt any 5 Questions (Total 60 Marks)

Q3. How did settling down near a river valley bring about social change? What b	uilding
materials can a river valley provide? Explain with sketches.	(12 Marks)
Q4. Explain with neat sketches the architectural works produced during the Sume and the materials used for building the structures.	erian Period (12 Marks)
Q5. How did the religious beliefs of the ancient Egyptians influence their architecter Explain the materials and design of a stepped pyramid with neat sketches.	cture? (12 Marks)
Q6. Explain with neat sketches the optical correction method utilized by the Gree architecture?	eks in their (12 Marks)
Q7. List the structures built by the Romans for sporting events. Describe any one structure with neat and labelled sketches.	such (12 Marks)
Q8. What are the differences between a Greek and Roman theatre? Explain with neat sketches.	the help of (12 Marks)
Q9. Explain with neat sketches the Greek column orders.	(12 Marks)
XXX	