

Total No. of Printed Pages:1

**SUBJECT CODE NO:- E-712**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T. Y .Arch Examination Nov/Dec 2017**  
**H.S.S.**  
**(Revised)**

**[Time: Three Hours]**

**[Max.Marks:100]**

Please check whether you have got the right question paper.

- N.B
1. Answer any FIVE questions.
  2. All questions carry equal marks.
  3. Draw sketches wherever necessary.
- Q.1 Write short notes on any FOUR. 20
- a) Concentric circle Theory
  - b) Land use plan
  - c) Public participation in planning
  - d) Satellite Town
  - e) Linear city.
- Q.2 Write a detail note on system of planning at different levels in India. (National/State/Regional/Local). 20  
Also mention different planning agencies and their role in each level.
- Q.3 Describe in detail any TWO planning theories related to spatial structure of cities. 20
- Q.4 What are planning surveys? Make a list of all types of planning surveys required for “Redevelopment” project and write in detail about any TWO types of surveys. 20
- Q.5 Explain with suitable examples any TWO of the following. 20
- a) Neighbourhood concept
  - b) Garden city
  - c) Central Business District of city.
- Q.6 Explain concept of Region and importance of Regional planning in Indian context. 20
- Q.7 Write an essay on contribution of “Le corbusier” in the field of Town planning. 20

**SUBJECT CODE NO: E-702**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.Y. Arch Examination Nov/Dec 2017**  
**A.B.C.M.VI**  
**(Revised)**

[Time: 4 Hours.]

[Max.Marks:100]

- N.B Please check whether you have got the right question paper.
- solve any two questions from Section A and any two questions from Section –B
  - Answer of section A must be solved on drawing sheets only. Answer to section-B can be solved on answers-sheets
  - Assume suitable data wherever necessary
  - Figure to the right indicates full marks.

**SECTION A**

Q.1 A Mangers & Asst. Mangers cabin is to be provided in hall admeasuring 10m × 18.0m. the cabin sizes are 4.5m × 3.6m & 3.6m × 3.6m: 35

Height of the hall is 3.5m

Draw the following

- Key plan showing cabin layout
- Plan, elevation & section of the cabin
- Fixing detail at wall & floor.
- Draw any two important details.

Q.2 Provide suitable false ceiling for the above mentioned hall.

Draw the following

- Reflected plan of ceiling 07
- Light fixing arrangement 07
- Give any three fixing & joining details. 21

Draw neat sketches on drawing sheet

- Q.3 a) Longitudinal section through theatre balcony
- Showing racker beam & sight-lines 10
  - Reinforcement details in racker beam. 07
- b) i. Layout plan of swimming pool of 25m × 50m along with supporting facilities like changing room, toilets, path, filtration plant, spectators gallery etc. Also draw key section of swimming pool. 10
- iii. Scum gutter with R.C.C. wall in swimming pool. 08

**SECTION B**

- Q.4 Explain along with sketches Retaining wall. 15
- Q.5 Explain along with sketches cavity wall. 15
- Q.6 Explain the certain wall with sketches and state various different material used for curtain walls. 15

Total No. of Printed Pages:2

**SUBJECT CODE NO: E-707**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.Y. Arch Examination Nov/Dec 2017**  
**T.D.S.V**  
**(Revised)**

**[Time:3 Hours]**

**[Max.Marks:100]**

Please check whether you have got the right question paper.

- N.B
- i. Question no 1 is compulsory. Attempt any five from the following.
  - ii. Assume suitable data if necessary.
  - iii. Figures to right indicate the maximum marks.
- 
- Q.1
- a) Explain the factors cause structural damage during an earthquake. 05
  - b) Explain the factors to be considered while selecting type of truss. 08
  - c) Define and explain use of modular coordination exercises. 07
- 
- Q.2
- a) Explain Reinforced and unreinforced masonry units in details. 08
  - b) What are the general principles to be observed in Stone Masonry Construction? 08
- 
- Q.3
- a) What are the types of trusses for different span? Explain with neat sketches. 10
  - b) State the loads acting on roof truss. 06
- 
- Q.4
- a) What are the effects of earthquake on structure? 10
  - b) Explain the IS-code recommendations for earthquake. 06
- 
- Q.5
- a) Explain relation of structure with architecture. 10
  - b) Explain in details different types of grid. 06
- 
- Q.6
- a) What are the structural element? Explain column and beam in details? 10
  - b) Write different types of foundation in details. 06

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Q.7 Write short note on any two:

16

- a) Type of connections.
- b) Types of failures.
- c) Advantages of masonry construction.
- d) Classification of earthquake.

Total No. of Printed Pages:1

**SUBJECT CODE NO: E-717**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T. Y .Arch Examination Nov/Dec 2017**  
**E.S.S.-IV**  
**(Revised)**

**[Time: Three hours]**

**[Max.Marks:100]**

Please check whether you have got the right question paper.

- N.B.
1. Question No.1 from section A and Question No.5 from section B are compulsory.
  2. Solve any two questions from section A from the remaining.
  3. Solve any two questions from section B from the remaining.
  4. Assume suitable data wherever required.
  5. Figures to the right indicate full marks.

**SECTION-A**

- |     |  |    |
|-----|--|----|
| Q.1 | Define air conditioning and factors affecting human comfort in AC.   | 20 |
| Q.2 | Explain the various components used in central A.C. system.  | 15 |
| Q.3 | Explain duct system and duct materials.  | 15 |
| Q.4 | Write short notes on (any two)<br>a. Air distribution in AC systems<br>b. Filters used in Air conditioning.<br>c. Refrigeration cycle. | 15 |

**SECTION-B**

- |     |   |    |
|-----|---|----|
| Q.5 | Define fire. Explain architect's role in passive and active defense in fire fighting. | 20 |
| Q.6 | Write short notes on (any two)<br>a. Sprinklers<br>b. Fire lift<br>c. Fire demand     | 15 |
| Q.7 | Explain Fire staircase and considerations provided for it in NBC.                     | 15 |
| Q.8 | Explain smoke detectors.  | 15 |

**SUBJECT CODE NO: E-722**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T. Y. Arch Examination Nov/Dec 2017**  
**A.B.C.M.-V**  
**(Revised)**

**[Time:4 Hours]**

**[Max.Marks:100]**

- N.B
- Please check whether you have got the right question paper.
- Answer any two question from Sec 'A' and any three from Sec 'B'.
  - Answers to sec. A must be solved on drawing sheets only & answers to sec B can be solved on answer sheets.
  - Assume suitable data wherever necessary and mention it clearly.
  - Figures to the right indicate full marks

**SECTION-A**

- Q.1 A Multipurpose hall (size 30m×12m×5.0m) has a store room (at one corner of a hall) 5.0m×4.0m wide×3.0m ht... The walls of the store room and multipurpose hall are 230mm thick. The opening to store room from multipurpose hall is 1.8m wide and 2.1 m in height. Client wants to provide a collapsible gate at the opening of store room. Design a collapsible gate with all joinery details and appropriate use of steel sections/members.
- Draw Key plan, elevation and section of, multipurpose hall with store room. 10
  - Detail plan, elevation and detail cross section of collapsible gate. 13
  - Joinery details of two vertical steel members, fixing details of gate to the wall, roller fixing at horizontal bottom rail and handle details. 12
- Q.2 Design a 'steel L-member' roof truss for a factory shed having internal size as 12m×36m with A.C. sheet cover. Truss is supported on RCC columns having size 380×450 mm with 230mm brick wall. The height from finished plinth to bottom of tie beam is 6m. plinth is 1.2m.
- Drawing requirements:
- Key-plan, elevation and section 07
  - Detail plan and detail cross-section of Truss. 11
  - Joinery details at Ridge, A.C. sheet and truss, column and truss 12
  - Sketch view of truss 05
- Q.3 Draw neat and proportionate sketches of the following. Mention suitable data and measurements wherever required.
- Portal Frame 07
  - Rolling Shutter 07
  - Space frame 07
  - Deck Slab 07
  - Still footing at 1.5m below G.L. 07

## SECTION-B

- Q.4 What is Fly Ash? Write a detail note on properties and uses of fly ash in building industry. 10
- Q.5 Write short note on- 10
- 1) Structural Steel
  - 2) Electrical Insulators and Conductors
- Q.6 “Plastic is the revolution in building Industry”, write a note. 10
- Q.7 Write a note on Bitumen with their properties, types and uses in different parts of building construction. 10

**SUBJECT CODE NO: E-726**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.Y. Arch Examination Nov/Dec 2017**  
**T.D.S.-IV**  
**(Revised)**

**[Time: Three hours]**

**[Max.Marks:100]**

- N.B Please check whether you have got the right question paper.
- i. Question No's.1 and 5 are compulsory. Solve any two questions from the remaining in each section.
  - ii. Draw neat sketches whenever required.
  - iii. Assume suitable data if necessary and state it clearly.

**SECTION-A**

- |     |   |    |
|-----|---|----|
| Q.1 | a) A Column of effective length 8.50m has to support an axial load of 850kN. Design a double channel section for the column. The channels are placed back to back at a suitable spacing. Design also double system lacing for the column. | 24 |
| Q.2 | a) Explain different type of connections made in steel structures.  | 07 |
|     | b) Explain plate girder with sketch showing components of plate girder.   | 06 |
| Q.3 | a) Explain strength and failure of riveted joint.   | 04 |
|     | b) Draw a neat sketch of steel grillage foundation  | 04 |
|     | c) Explain Tension and compression member in steel construction.  | 05 |
| Q.4 | Design a slab base for the column ISHB-500 @ 86.9 carry axial load 1000kN. Assuming M <sub>15</sub> grade of 13 concrete SBC of soil 160kN/m <sup>2</sup> .   |    |

**SECTION-B**

- |     |   |    |
|-----|---|----|
| Q.5 | Write short notes on (any four)           | 24 |
|     | a) Advantages of steel structure over RCC |    |
|     | b) Types of Riveted joints                |    |
|     | c) Flanged beam                           |    |
|     | d) Column lacing                          |    |
|     | e) Net effective areas of tension member  |    |



- Q.6 Design a gusseted base for column consisting of ISHB-300 @ 58.8 kg/m carrying axial load 800kN. 13  
Assuming the grade of concrete M<sub>15</sub> grade of concrete SBC of soil 160kN/m<sup>2</sup>.
- Q.7 Design a beam of effective span 6m and subjected to a bending moment of 105.3 X 10<sup>6</sup> N-mm for the 13  
compression flange laterally unsupported throughout.
- Q.8 Design an I-section purlin for trusted roof from the following data. 13  
Span of roof=12m, spacing of truss=5m, spacing of purlin along slope of roof truss=2m  
slope of roof truss=1 vertical, 2 horizontal, wind load on roof surface normal to roof= 1000N/m<sup>2</sup>,  
vertical load from roof sheets etc. =200N/m<sup>2</sup>

Total No. of Printed Pages:01

**SUBJECT CODE NO: E-730**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.Y. Arch Examination Nov/Dec 2017**  
**H.A.-IV**  
**(Revised)**

**[Time: 03:00 Hours]**

**[Max.Marks:100]**

- N.B Please check whether you have got the right question paper.
- 1) Question number 1 and 2 are compulsory.  
2) Solve any six questions from the remaining.  
3) Draw neat sketches wherever necessary.
- Q.1 What were the “Five Points of a New Architecture” according to Le Corbusier? Explain with 20 suitable examples.
- Q.2 Explain the design philosophy of any one of the following Architects with suitable examples 20 and neat sketches.  
a) B.V. Doshi  
b) Louis Khan
- Q.3 Explain the ‘Theory of Skyscrapers’ by Louis Sullivan with a suitable example. 10
- Q.4 Enumerate with sketches and examples the new building types that developed after the industrial Revolution, due to new needs and functions. 10
- Q.5 What is International style? Explain with suitable example. 10
- Q.6 Write a short note on Art nouveau. 10
- Q.7 Explain the concept as adopted by F.L. Wright in the design of Guggenheim Museum. 10
- Q.8 Explain the Architectural style of Charles Correa with two examples of his work. 10
- Q.9 Describe the architectural Scenario during Pre-Independent India. 10
- Q.10 Explain the contribution of any one of the following Architect to Modern Architecture : 10  
I.M. Pei OR Walter Gropius

**SUBJECT CODE NO: E-734**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T. Y. Arch Examination Nov/Dec 2017**  
**E.C. & S.W.**  
**(Revised)**

**[Time: Three Hours]**

**[Max.Marks:100]**

Please check whether you have got the right question paper.

N.B

- 1) Question No.1 from section A is compulsory
- 2) Out of the remaining three questions from section A solve any Two and solve any Two questions from section B
- 3) Assume suitable data wherever necessary and mention it clearly.

**Section- A**

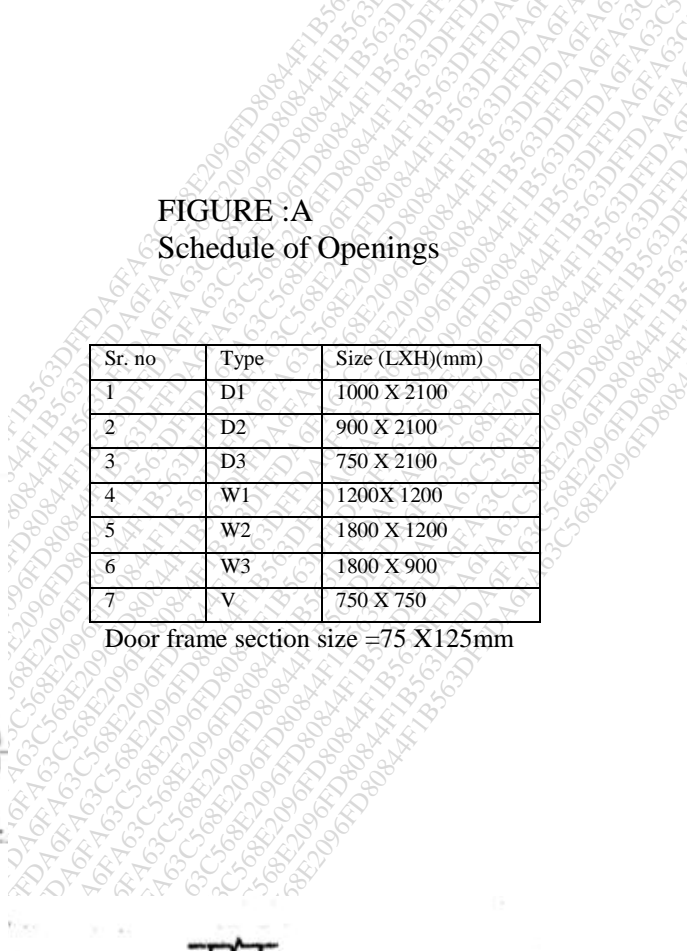
Q.1 Find out the cost of any four items from the table given below. work out the detailed quantities on measurement sheet, mention the correct unit of measurement as per DSR (Refer fig.A) 40

SR.NO	Description	Quantity	Rate in Rs.	Unit	Amount (Rs)
1	M 20 R.C.C. footings		5,132		
2	M20 R.C.C columns above footings to slab top		6,901		
3	M20 R.C.C slab		7,175		
4	230mm thick Brick walls in (1:6) cement mortar		5,325		
5	Providing Aluminum sliding windows		3,516		
6	Providing and fixing T.W door frame		1,03, 306		

**FIGURE :A**  
**Schedule of Openings**

Sr. no	Type	Size (LXH)(mm)
1	D1	1000 X 2100
2	D2	900 X 2100
3	D3	750 X 2100
4	W1	1200X 1200
5	W2	1800 X 1200
6	W3	1800 X 900
7	V	750 X 750

Door frame section size =75 X125mm



**FIGURE :A**  
**Schedule of Openings**

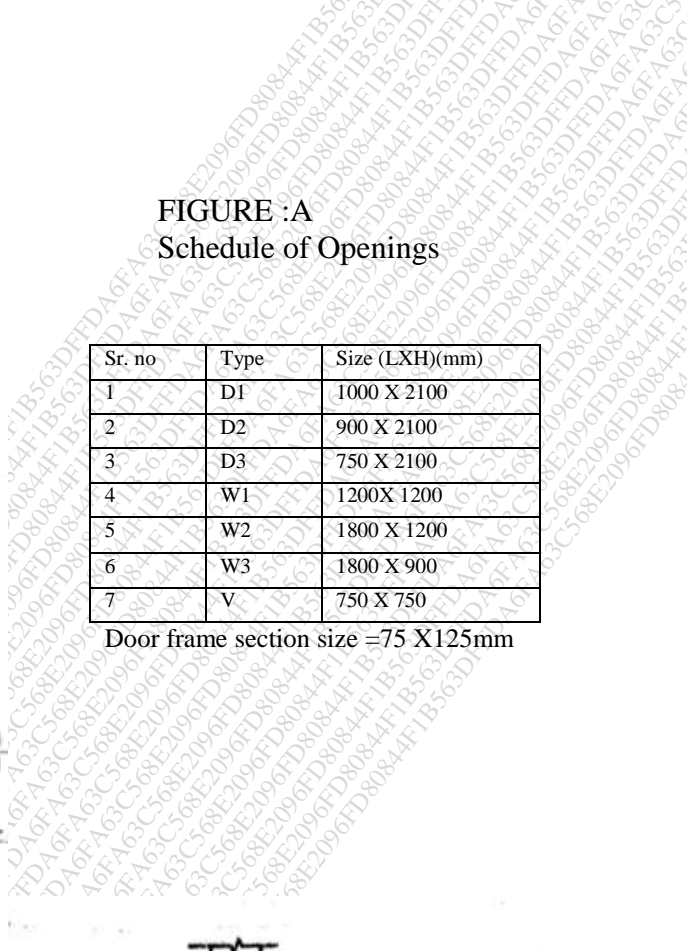
Sr. no	Type	Size (LXH)(mm)
1	D1	1000 X 2100
2	D2	900 X 2100
3	D3	750 X 2100
4	W1	1200X 1200
5	W2	1800 X 1200
6	W3	1800 X 900
7	V	750 X 750

Door frame section size =75 X125mm

**FIGURE :A**  
**Schedule of Openings**

Sr. no	Type	Size (LXH)(mm)
1	D1	1000 X 2100
2	D2	900 X 2100
3	D3	750 X 2100
4	W1	1200X 1200
5	W2	1800 X 1200
6	W3	1800 X 900
7	V	750 X 750

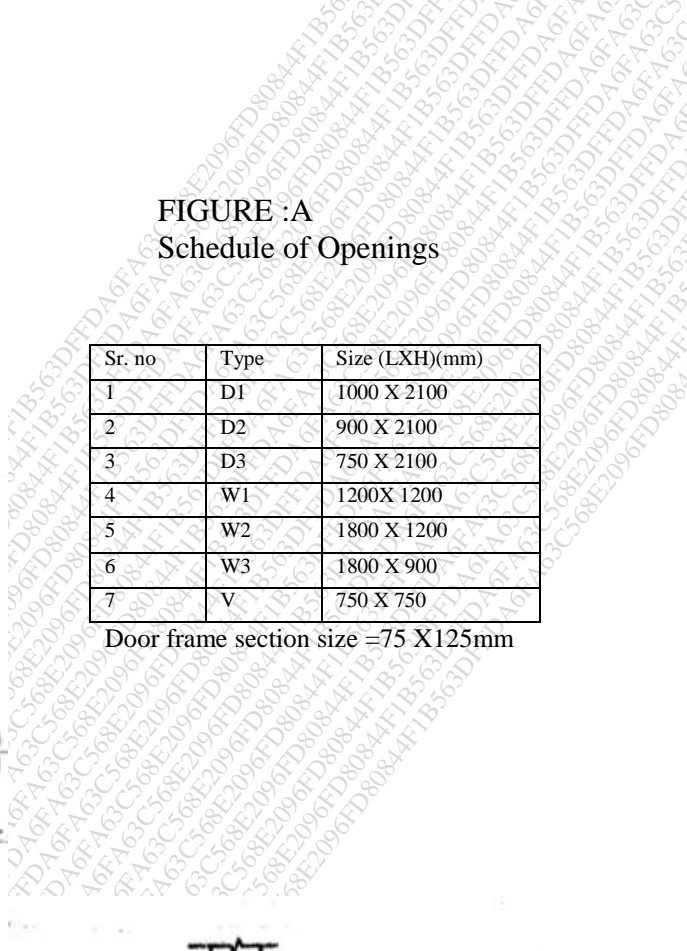
Door frame section size =75 X125mm



**FIGURE :A**  
**Schedule of Openings**

Sr. no	Type	Size (LXH)(mm)
1	D1	1000 X 2100
2	D2	900 X 2100
3	D3	750 X 2100
4	W1	1200X 1200
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Door frame section size =75 X125mm



**FIGURE :A**  
**Schedule of Openings**

Sr. no	Type	Size (LXH)(mm)
1	D1	1000 X 2100
2	D2	900 X 2100
3	D3	750 X 2100
4	W1	1200X 1200
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6	W3	1800 X 900
7	V	750 X 750

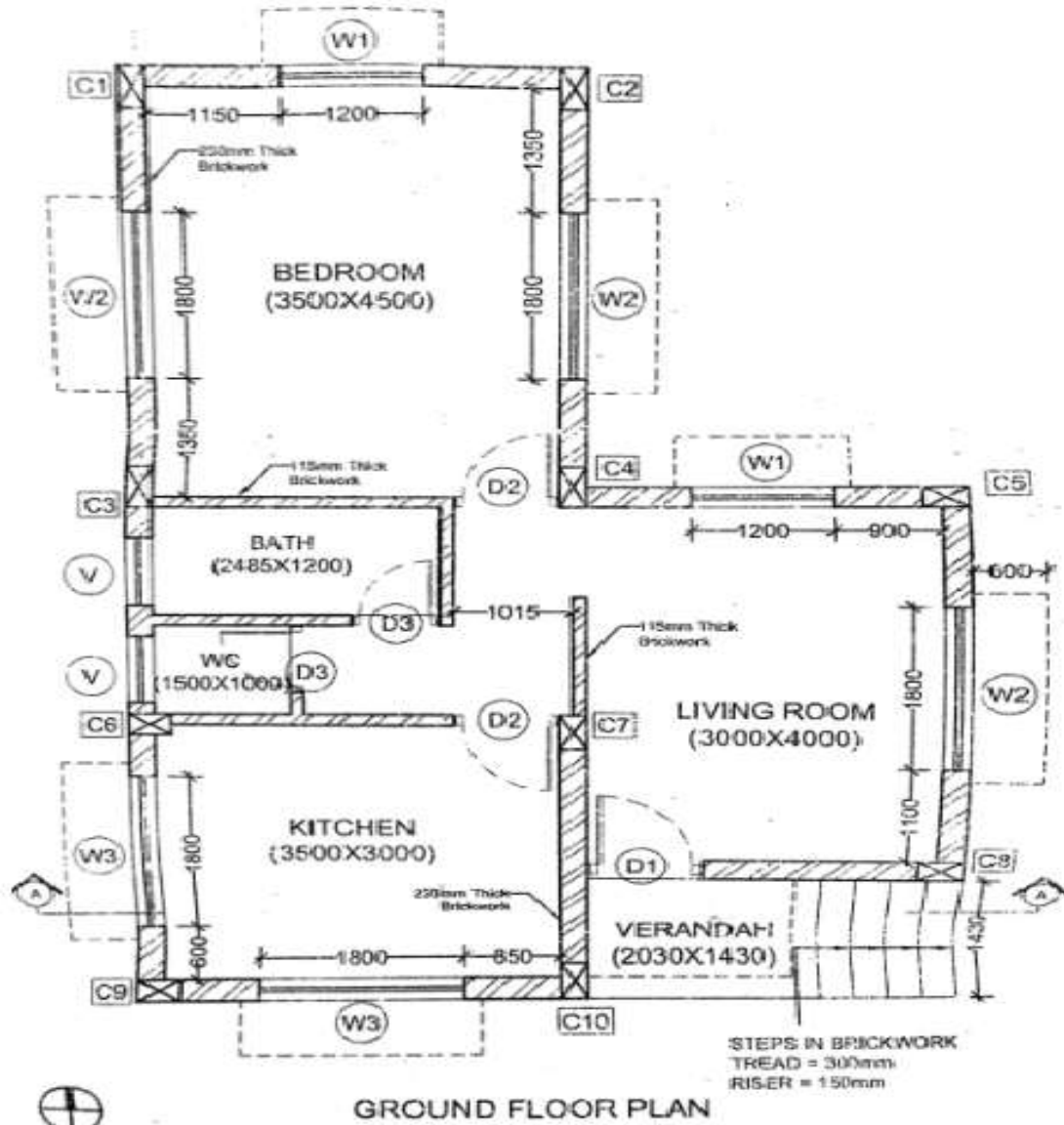
Door frame section size =75 X125mm

**FIGURE :A**  
**Schedule of Openings**

Sr. no	Type	Size (LXH)(mm)
1	D1	1000 X 2100
2	D2	900 X 2100
3	D3	750 X 2100
4	W1	1200X 1200
5	W2	1800 X 1200
6	W3	1800 X 900
7	V	750 X 750

Door frame section size =75 X125mm

Schedule of RCC column footing					
Sr. no	Type of column	Column size (mm)	Footing size (mm)	A (mm)	B(mm)
1	C1, C2, C6	230 X 380	1200 X 1400	150	300
2	C5, C8, C9, C10	230 X300	1000X 1200	150	250
3	C3, C4, C7	230 X 460	1300 X 1500	200	330



Note : All dimensions are in millimeters

- Q.2 Work out the rate for plain cement concrete ( P.C.C) in 1:4:8 proportion with the followings data 15
- Rate of cement Rs. 320 per bag
  - Rate of sand Rs. 10,000 per Trunk
  - Rate of Aggregate Rs. 5200 per Truck
  - Pay load factor for sand and Aggregate = 5.75 cu.m
  - Labour Rate = Rs. 480/ m<sup>3</sup> for P.C.C
- Q.3 Work out the rate of Neeru finished cement plaster 20mm thick in cement Mortar 1:4 proportion with 15 the followings data
- Rate of cement Rs.7000/ m.T
  - Rate of sand Rs.12,000 / Truck
  - Labour Rate = Rs.55/ sq.m
  - Pay load factor for sand 5.75m<sup>3</sup>
- Q.4 Write short notes on any Three 15
- What is the importance of specification in contracts?
  - Provisional sum
  - Cubic content method ( Appro – estimate)
  - Prime cost

### Section – B

- Q.5 Write detailed specifications for uncoursed Rubble stone masonry ( U.C.R) in 1:6 cement Mortar 15
- Q.6 Write detailed specifications for Indian Patent stone flooring ( IPS) on ground floor. 15
- Q.7 Write detailed specifications for providing and fixing Indian type of W.C pan Including all fittings 15



**SUBJECT CODE NO: E-726**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.Y. Arch Examination Nov/Dec 2017**  
**T.D.S.-IV**  
**(Revised)**

**[Time: Three hours]**

**[Max.Marks:100]**

- N.B
- Please check whether you have got the right question paper.
- Question No's.1 and 5 are compulsory. Solve any two questions from the remaining in each section.
  - Draw neat sketches whenever required.
  - Assume suitable data if necessary and state it clearly.

**SECTION-A**

- Q.1 a) A Column of effective length 8.50m has to support an axial load of 850kN. Design a double channel section for the column. The channels are placed back to back at a suitable spacing. Design also double system lacing for the column. 24
- Q.2 a) Explain different type of connections made in steel structures. 07  
b) Explain plate girder with sketch showing components of plate girder. 06
- Q.3 a) Explain strength and failure of riveted joint. 04  
b) Draw a neat sketch of steel grillage foundation 04  
c) Explain Tension and compression member in steel construction. 05
- Q.4 Design a slab base for the column ISHB-500 @ 86.9 carry axial load 1000kN. Assuming  $M_{15}$  grade of 13 concrete SBC of soil  $160\text{kN/m}^2$ .

**SECTION-B**

- Q.5 Write short notes on (any four) 24
- Advantages of steel structure over RCC
  - Types of Riveted joints
  - Flanged beam
  - Column lacing
  - Net effective areas of tension member

- Q.6 Design a gusseted base for column consisting of ISHB-300 @ 58.8 kg/m carrying axial load 800kN. 13  
Assuming the grade of concrete M<sub>15</sub> grade of concrete SBC of soil 160kN/m<sup>2</sup>.
- Q.7 Design a beam of effective span 6m and subjected to a bending moment of 105.3 X 10<sup>6</sup> N-mm for the 13  
compression flange laterally unsupported throughout.
- Q.8 Design an I-section purlin for trusted roof from the following data. 13  
Span of roof=12m, spacing of truss=5m, spacing of purlin along slope of roof truss=2m  
slope of roof truss=1 vertical, 2 horizontal, wind load on roof surface normal to roof= 1000N/m<sup>2</sup>,  
vertical load from roof sheets etc. =200N/m<sup>2</sup>



Total No. of Printed Pages:02

**SUBJECT CODE NO:- E-737**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T. Y. Arch Examination Nov/Dec 2017**  
**E.S.S.III**  
**(Revised)**

**[Time: Three Hours]**

**[Max.Marks:100]**

Please check whether you have got the right question paper.

- N.B
- i) Q.No.1 and Q.No.6 are compulsory.
  - ii) Solve any Three questions from section A & B each, excluding compulsory questions
  - iii) Assume suitable data if Necessary.

**Section A**

- |     |   |    |
|-----|---|----|
| Q.1 | Attempt any Seven   | 14 |
|     | <ul style="list-style-type: none"><li>a) Define Plane angle</li><li>b) Define Luminous Flux</li><li>c) Define Luminous intensity</li><li>d) Give Application of Earthing</li><li>e) State Features of Fluorescent Lamp</li><li>f) Explain Reflection &amp; Refraction</li><li>g) State different material used in lamps</li><li>h) State the basic Difference between Sub Distribution &amp; Power Distribution Board</li><li>i) State Factors Affecting on Visual Task</li><li>j) Explain Faradays Law</li></ul> |    |
| Q.2 | a) Explain with neat sketch Argon Neon Lamp   | 06 |
|     | b) Explain with neat sketch Metal Halide Lamp   | 06 |
| Q.3 | a) Explain perfect level of Illumination with some Required Illumination level  | 06 |
|     | b) State & Explain the Energy Conservation tips   | 06 |
| Q.4 | a) Explain Rules of Electrical Safety   | 06 |
|     | b) Explain difference between artificial & Natural lighting   | 06 |
| Q.5 | Write a short note on   |    |
|     | a) CFL  | 04 |
|     | b) LED Lamp   | 04 |
|     | c) Method of Mounting & Lighting Control  | 04 |

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## Section B

Q.6	Attempt any seven	14
	a) Coefficient of utilization	
	b) Selection criteria for selection of lamp	
	c) State different NBC Codes	
	d) State Application & Properties of Incandescent lamp	
	e) Define Lamberts Cosine Law	
	f) Define Inverse Square Law	
	g) Explain Necessity of Lighting Conductor	
	h) Which type of motor is suitable for lift with properties?	
	i) State the different types of Elevator	
	j) What is required Illumination require for Physically Challenged in building	
Q.7	a) Explain in details Different lighting Scheme	06
	b) Explain in details Outdoor lighting Design	06
Q.8	a) The front of a building $25 \times 12$ m is illuminated by 201 lamps of 200 –W arranged so that uniform illumination on the surface is obtained. Assuming a luminous efficiency of 30 lumens / W and a coefficient of utilization of 0.75. Determine the illumination on the surface. Assume DF = 1.3 and waste light factor 1.2	06
	b) Explain Solar Energy system for Residential building	06
Q.9	a) Explain in details comparison between different light source	06
	b) A room with an area of $6 \times 9$ m is illustrated by ten lamps of 80-W. The luminous efficiency of the lamp is 80 lumens / W and the Coefficient of utilization is 0.65. Find the average illumination.	06
Q.10	Write a short note on	
	a) Basic Principle of Light Control	04
	b) Study of Lux Meter	04
	c) Preventive & Breakdown Maintenance	04

Total No. of Printed Pages:4

**SUBJECT CODE NO: E-739**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T. Y. Arch Examination Nov/Dec 2017**  
**A.D.V**  
**(Revised)**

[ Time: 1<sup>st</sup> Day – 6 Hours

2<sup>nd</sup> Day – 3+3 Hours

3<sup>rd</sup> Days – 3+ 3 Hours ]

[Max.Marks:100]

N.B

Please check whether you have got the right question paper.

- i) The candidates are instructed to work for six hours Enlodge on the first day. On the subsequent days, there will be two sessions of three hours each.
- ii) The candidates are further instructed to submit schematic plans of their design (sketch plans, site plan, sections etc) at the end of first day. No major deviation will be allowed in the final submission form the first day sketch. 1<sup>st</sup> day sketch should be written in bold letters.
- iii) The candidates are further instructed to submit the final design in the form of a portfolio binding all the drawings including sketches, tracings, and first day sketches together and covering the portfolio with white sheets on both sides. The candidate shall write their examination number on the top right hand corner of the cover sheet.
- iv) All the drawings in the portfolio shall carry the examination number of the candidate and are signed by the invigilator.
- v) The design will be assessed as a whole.
- vi) Assume suitable data wherever possible and mention it clearly.

Q.1

**‘COMMERCIAL HOTEL’**

Aurangabad city has two International Heritage sites and numerous other National Heritage structures due to its glorifying history and rich culture. Recently it is declared as Tourist city by State Govt. and included in smart city and proposed DMIC by central government.

Aurangabad is fastest growing Industrial city, Regional capital, becoming Educational Hub and catering Health Services to nearby areas of the Region.

Having such a great potential a Private Group of Entrepreneurs from Aurangabad intends to construct a ‘Hotel’ on Beed Bypass Road as it is becoming a main Road of the city.

THE REQUIREMENTS OF THE PROJECT ARE AS FOLLOWS:-

**(A) ADMINSTRATIVE AREAS.**

- |  |                   |
|--|-------------------|
| 1) Reception, Waiting Lounge,<br>Entrance Lobby, Travel<br>Counter, Booking Etc. | } 100 – 150 sq.m. |
| 2) General Manager’s cabin<br>with Att. Toilet                                   |                   |
- 20 – 22 sq. m.

- 3) Assistant Manager's Cabin with Toilet - 18 – 20 sq.m
- 4) Account office - 15 – 20 sq.m
- 5) Time office - 10 – 12 sq. m
- 6) Luggage / Clock Room - 20 – 25 sq. m
- 7) Gents and Ladies Toilet - Adequate Area

#### **B) ACCOMODATION :**

- 1) Guest Room Non A/c With Toilet (10 Nos.) - 20 – 25 sq.m. (each)
- 2) Guest Room A/c with Toilet (10 Nos) - 20 -25 sq.m. (each)
- 3) Suits (Regular) (8 Nos.) - 30 -35 sq. m (each)
- 4) Suits (Deluxe) (4 Nos) - 30 – 35 sq. m (each)

#### **C) FOOD AND BEVERAGE:**

- 1) Restaurant ( 50 capacity) - 100 – 120 sq.m.
- 2) Kitchen (Veg.Non veg) - 75 – 100 sq.m
- 3) Stores, pantry, utility or wash Areas - 40 – 50 sq. m
- 4) Food & Beverage Manager's cabin With Att. Toilet - 15 – 20 sq.m
- 5) Fuel Store - 12 – 15 sq.m
- 6) Beverage Store - 12 – 15 sq.m
- 7) Staff Dining Area - 15 – 20 sq.m
- 8) Staff Changing Room With Toilet for both the sexes. - 25 – 30 sq.m

#### D) OTHER FACILITY :

##### 1) Conference Hall with Pantry & Toilet

(a) For 100 persons - 150 sq. m.

(b) For 50 persons - 75 sq. m.

##### 2) Party Hall / Banquet (500 sq. m) Hall for 400 persons

#### E) SERVICE AND MAINTENANCE

- |  |               |
|--|---------------|
| 1) Security office                           | 10 – 12 sq. m |
| 2) Maintenance                               | 12 -15 sq. m  |
| 3) Electrical, Generator<br>Room & Pump Room | 30 – 40 sq.m  |
| 4) Room Boys Room                            | 12 – 15 sq. m |
| 5) Laundry                                   | 20 – 25 sq. m |
| 6) Housekeeping                              | 15 – 20 sq. m |
| 7) Linen Store                               | 15 – 20 sq. m |
| 8) A.C. Plant Room                           | 20 – 30 sq. m |

#### F) PARKING

- |  |  |
|--|--|
| 1) Parking For Hotel Staff                             | } Assume suitable area<br>as per standard Norms. |
| 2) Parking For Guests / Visitors                       |  |
| 3) Temporary Parking area for<br>Party / Function Hall |  |

#### G) CIRCULATION:

- |  |                         |
|--|-------------------------|
| 1) Staircases                          | } As per Standard Norms |
| 2) Lifts both Passenger and<br>Service |                         |
| 3) Corridors / Lobby                   |                         |
| 4) Five Escape Staircase               |                         |

#### DRAWING REQUIREMENTS:

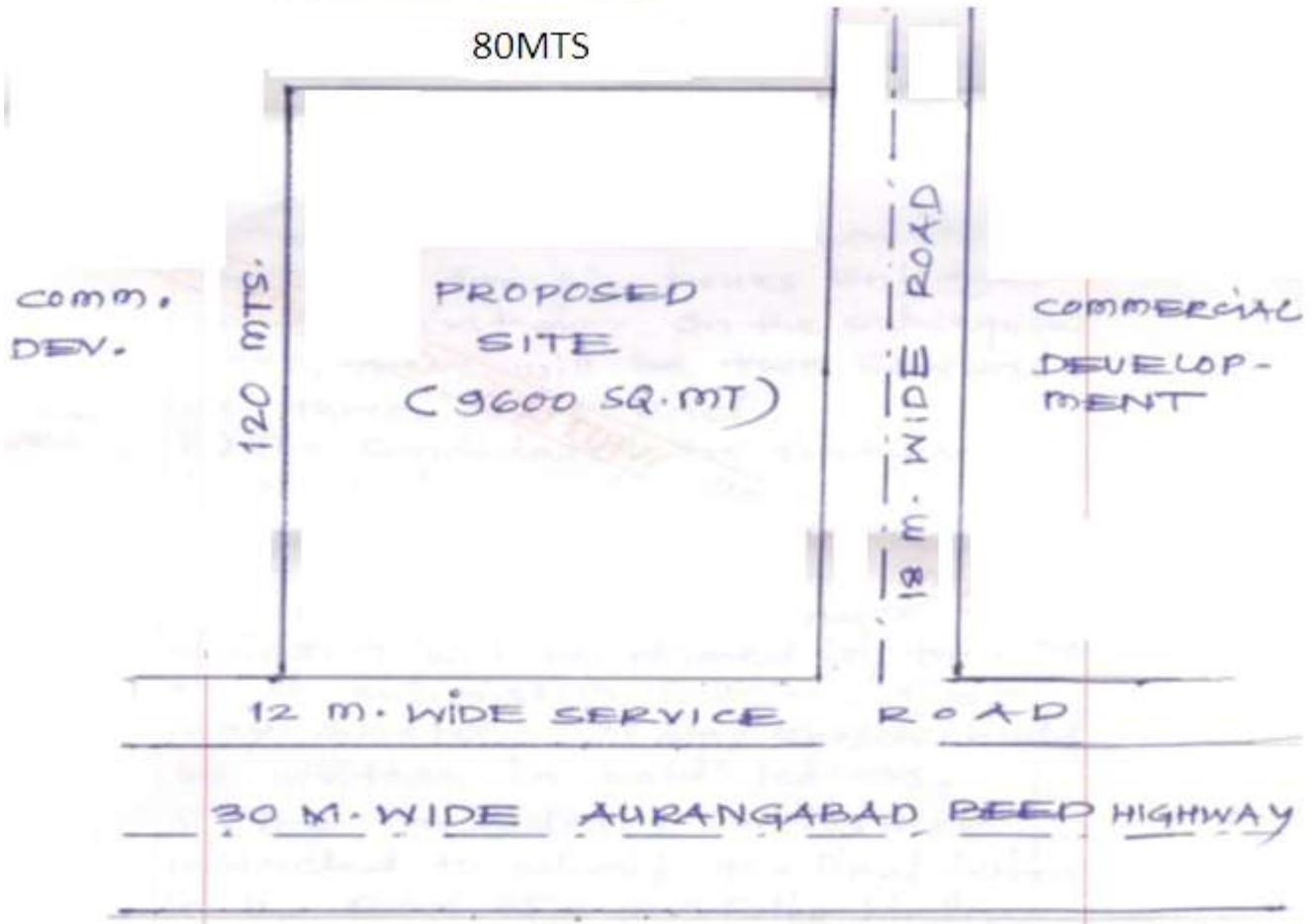
Note : Assume suitable scale for all Drawings.

- Site Plan
- All floor plans
- Two Road side (minimum) Elevations
- Two Sections (minimum)
- Detailed Plan of Guest Room & Suits
- Three Dimensional Sketch view.

Note: i) A minimum Front margin from main Road is 12m

ii) For all other sides & secondary Road Side 6m as minimum margin.

# SITE PLAN :



## SITE PLAN

NOT TO SCALE

