

Civil

KADI SARVA VISHWAVIDHYALAYA

B.E. Semester III

Subject Code: CV302

Subject Name: Building and Town Planning

Date: 26/11/2013

Time: 10:00 am to 1:00 pm

Total marks: 70

Instructions:

1. Answer each section in separate Answer Sheet
2. Use of Scientific calculator is permitted.
3. All questions are Compulsory.
4. Indicate Clearly, the options you attempt along with its respective question number.
5. Use the last page of main supplementary of rough work.

Section – I

Q-1 Plan a residential building (Draw only Plan) in a plot of 250 Sq. m. provide units like (i) Drawing Hall (ii) Kitchen & Dining Hall (iii) Pooja Room (iv) Master Bed Room (v) Bed Room (vi) Store (vii) Toilet. Also provide only stair cabin on the first floor. Building Should be on the ground floor only. Consider FSI 60%. Take scale of 1:100. Show all necessary Dimensions. 15

Q-2 Draw one suitable Section (draw only section) of the residential building with the maximum details for the building that you have drawn in the Que.1. Take scale of 1:100. Show all necessary Dimensions. 10

OR

Draw the front elevation for the residential building that you have drawn in answer of Que. 1. Take scale of 1:100. Show all necessary dimensions. Give the schedule of opening for the same ground floor plan. 10

Q-3 (A) What are the objects of Zoning? Explain various important aspects of zoning. 05
(B) Explain the growth of towns according to the origin. Discuss the ribbon development. 05

OR

(A) Give a brief outline of different principles of residential building and explain any one in detail. 05
(B) Explain different Civic Surveys. 05

P.T.O.

Section -II

Q-4

- | | |
|---|----|
| (A) Give your opinion why is town planning necessary? | 05 |
| (B) Explain Slum Clearance & its methods. | 05 |
| (C) Describe in brief town planning in Ancient India. | 05 |

OR

- | | |
|---|----|
| (C) What are the principles of neighborhood planning. | 05 |
|---|----|

Q-5

- | | |
|---|----|
| (A) Write a Critical note on necessary of good housing. | 05 |
| (B) Write a short note on : Civic Center | 05 |

OR

- | | |
|--|----|
| (A) Why master plan is necessary? & Which type of data can be included in master plan. | 05 |
| (B) Differentiate between density zoning and Height zoning. | 05 |

Q-6

Draw one way perspective view for the given fig. no. 1 10

OR

Draw two way perspective view of steps for the given fig. no. 2 10

Fig. No.: 1

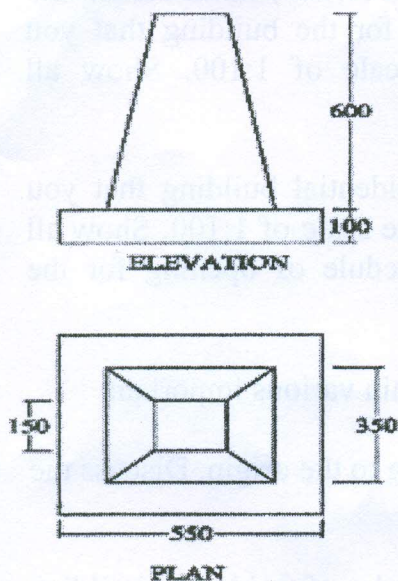
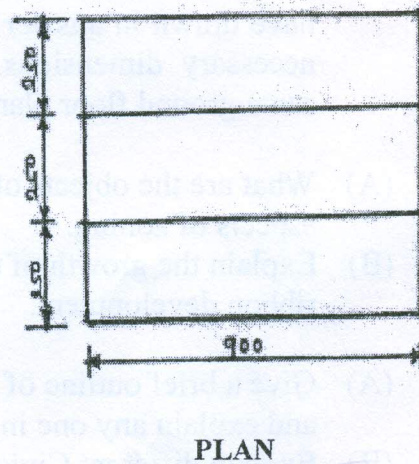


Fig. No.: 2

Riser: 150 cm



-----All the Best-----

KADI SARVA VISHWAVIDHYALAYA

B.E. Semester III (CIVIL ENGINEERING)

Subject Code: CV302

Subject Name: Building and Town Planning

Date: 25/04/2014

Time: 10:30am to 1:30pm

Total Marks: 70

Instructions:

1. Answer each section in separate Answer sheet
2. Use of Scientific calculator is permitted.
3. All questions are compulsory.
4. Indicate Clearly, the options you attempt along with its respective question number.
5. Use the last page of main supplementary of rough work.

Section – I

- Q-1 (A) Prepare working drawings (Ground Floor plan, First Floor plan) after planning as per building bye-laws, principles of planning and principles of architecture for two storied residential house for a family of an engineer having five family members on land area of 18m X 22m, with drawing scale of 1:100. Take Permissible Built up Area is 50% of the plot area. [10]
- (B) Prepare elevation with all relevant details based upon plan prepared in Q.1 (A) [05]
- OR
- (B) Prepare detail sectional elevation with all relevant details based upon plan prepared in Q.1 (A) [05]
- Q-2 (A) Draw the neat sketch of the following [10]
(i) Site plan (ii) Layout plan (iii) Key plan
- OR
- Draw the line sketch of electrical layout & drainage plan of a Residential building prepared in Q.1 (A) [10]
- Q-3 (A) Explain with sketch :- [05]
1. Ribbon development
2. Satellite town
- (B) Write descriptive and detailed note on : Origin and growth of towns [05]
- OR
- (A) Define term 'Town planning'. Explain aims and objectives of town planning. [05]
- (B) Explain :- Importance of zoning & its types. [05]

SECTION-II

- Q-4 (A) Draw two point perspective drawing for the composition shown in figure no.1 (All dimensions are in "mm") [10]
- (B) Differentiate between followings: [05]
1. Functional survey & territorial survey,
2. Social survey & vital survey.

OR

- Q-5 (B) Write explanatory notes on Satellite towns. [05]
(A) State objectives and requirements of 'Master plan' for developments. [05]
Name different types of data to be collected to prepare the master plan.
(B) Why are surveys carried out before town planning? What are the [05]
methods adopted for collection of data in surveys?

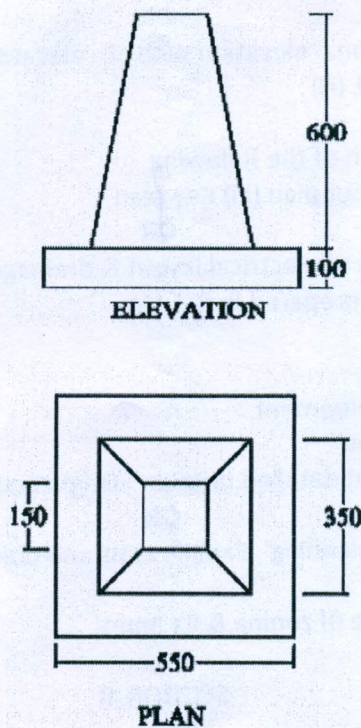
OR

- (A) Enlist elements of town and explain principle of zoning for planning a [05]
town.
(B) Write explanatory notes on followings: [05]
1. Urban roads: Vital element of town planning.
2. Indus valley civilization.
Q-6 (A) Explain the causes, preventive measures and remedial measures of [05]
slums.
(B) Explain the planning of a hospital building for 25 beds, with line plan [05]
sketch diagram.

OR

- (A) Give detailed classifications of the buildings. [05]
(B) Explain the planning of a higher secondary school with neat line plan [05]
diagram.

Figure No: 1



KADI SARVA VISHWAVIDYALAYA
B.E. SEMESTER-V EXAMINATION NOVEMBER-2014

Subject Code: CV302

Subject Name: Building and Town Planning

Date: 13/11/2014

TIME: 10:30am To 1:30pm

Total marks: 70

Instruction:

1. Answer each section in separate Answer Sheet.
2. Use of scientific calculator is permitted.
3. All questions are compulsory.
4. Indicate **clearly** the options you attempted along with its respective question number
5. Use the last page of supplementary for rough work.

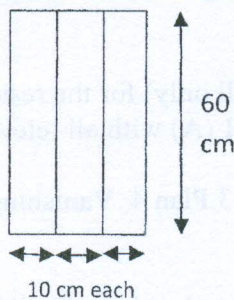
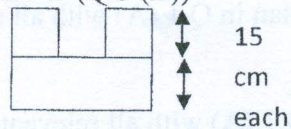
Section-1

- Q.1 (A) Design (Draw only ground floor plan) a residential building on a plot of 300 sq. m. The maximum permissible built up area is 40% Draw ground floor plan which satisfies the following requirement. 10
- (a) Drawing room (b) kitchen (c) two bedrooms (d) bath and w/c (e) staircase. Take scale of 1: 100. Show all dimensions.
- (B) Draw detail front elevation based upon plan in Q.1 (A) with all relevant details. 05
- OR
- (B) Draw detail section based upon plan in Q.1 (A) with all relevant details. 05
- Q.2 (A) Draw only typical layout of "Industrial building". 05
- (B) Draw sanitary layout for the residential building that you have drawn in answer of Q.1 (A) with all relevant details. 05
- OR
- Q.2 (A) Draw the foundation plan (for 30cm brick wall only) for the residential building that you have drawn in answer of Q.1 (A) with all relevant details. 05
- (B) Define following terms: 05
1. Built up area 2. Floor space index 3. Plan 4. Vanishing Point 5. Building bye laws
- Q.3 (A) Explain the meaning of Aspect and Prospect in planning of buildings. 05
- (B) Draw two way perspective drawing for figure 1. Take suitable position of observer. 05
- OR
- Q.3 (A) Draw one way perspective drawing for figure 1. Take suitable position of observer. 05
- (B) Explain requirements of public buildings. 05

Section-2

- Q.4 (A) What are the objectives of zoning? 05
 (B) Briefly outline the causes and effect of slums. 05
 (C) State the principle of neighborhood planning. 05
 OR
 (C) What are the reasons of planning master plan for the town? 05
- Q.5 (A) Write explanatory note on: Ribbon Development 05
 (B) Why are surveys carried out before town planning? 05
 OR
 Q.5 (A) Give classification of Housing. 05
 (B) How the earthquake resistant building is planned with respect to size and symmetry. 05
- Q.6 (A) Write a short note on: Indus valley civilization 05
 (B) Give differentiate between Gross density and Net density. 05
 OR
 Q.6 (A) Write a short note on: HUDCO 05
 (B) Write a short note on clearance of slum. 05

Figure 1. (Q.3 (B))



-----All the Best-----