

**GOVERNMENT ENGINEERING COLLEGE, DAHOD**

**CIVIL ENGINEERING DEPARTMENT**

**BE-II 4<sup>TH</sup> SEMESTER**

**BUILDING & TOWN PLANNING ( 2140607)**

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**ASSIGNMENT NO. : 1                      PRINCIPLES OF PLANNING & ARCHITECTURE**

1. Classify the buildings according to its use.
2. Write about different building components in detail.
3. Enlist and explain principles of planning.
4. Enlist and explain principles of Architecture.
5. Explain the following :-
  - a) Detached house & Row house
  - b) Purposes of landscape design
6. Draw the neat sketch of the following.
  - c) Site plan
  - d) Layout plan
  - e) Key plan
7. Explain purpose of submission drawing, working drawing and record drawing. Also enlist various working drawings that may be needed for construction of high rise commercial complex.



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**ASSIGNMENT NO. : 2**

**BUILDING BYE LAWS**

1. Briefly explain following:
  - a) Control line and building line
  - b) Built up area
  - c) Floor space index
  - d) Consolidated Open Plot
  - e) Set back
  - f) Margin
2. Explain the building bye laws with reference to open space requirements and height limitations.
3. What do you mean by Bye laws? Who frame it? Give the Minimum Size of the Drawing room and Kitchen.
4. What are the building bye laws? Write objectives of building bye laws.
5. State building byelaws for following
  - a) Minimum area of room
  - b) Basement
  - c) Plinth
  - d) Margins
  - e) Bye laws governing compound wall.



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**ASSIGNMENT NO. : 3**

**PLANNING OF EARTHQUAKE RESISTANT BUILDING**

1. Briefly explain the guidelines for design of non engineered earthquake resistant brick masonry structures.
  2. Briefly explain behavior of structures during earthquake and possible mode and pattern of failure.
  3. Explain what precautions you will take at the time of planning the Building to make it earthquake resistant?
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**ASSIGNMENT NO. : 4**

**PLANNING OF PUBLIC BUILDING**

1. Briefly outline the guidelines for design of secondary school.
  2. Discuss the needs of a Hospital Building as per planning point of the view.  
Suggest approximate sizes of the various units.
  3. State requirements of a school building and draw the plan of it.
  4. Discuss factors to be considered while selecting site for public building with reference to type of public building
  5. Explain the planning of a higher secondary school.
  6. Explain the planning of a bank.
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**ASSIGNMENT NO. : 4**

**PESPECTIVE DRAWING**

1. Differentiate one point, two point and three point perspectives with neat sketch in answer book.
2. Enlist various types of pictorial drawings. Explain typical characteristics and purpose of various types of perspective drawings.
3. What is perspective view of an object? Explain picture plane, Angle of vision, cone of vision, ground line with suitable sketch.
4. Explain the following terms with sketch
  - a) Station point
  - b) Horizon plane
  - c) Vanishing point
  - d) Measure line



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**ASSIGNMENT NO. : 5**

**TOWN PLANNING**

1. Describe town planning in two ancient Indian civilizations with neat sketch.
2. Define term 'Town planning'. Explain aims and objectives of town planning.
  - a) Write explanatory notes on Urban roads: Vital element of town planning.
3. Discuss Origin and Growth of Town.
4. Explain Principles of Town planning
5. Describe in brief town planning in Ancient India.
6. Explain different types of Road network in a Town.
7. Explain the different ways of growth of towns with sketch.
8. State the principles of planning a neighborhood unit. Explain the importance of neighborhood planning and mention the essential features of neighborhood unit.
9. Write detail about the type and ways of collecting the information in survey. Also write detailed note on Civic survey.
10. Mention the purposes for town planning survey. Discuss various surveys conducted for town planning schemes.
11. Discuss the topics covered in civic survey and their use.
12. Differentiate between followings:
  - a) Functional survey & territorial survey,
  - b) Social survey & vital survey.
13. Enlists different types of zoning. Write detailed note on 'aspect of zoning'.
14. Differentiate the meaning between zoning and reservation in town planning
15. What are the objects of zoning? Explain various important aspects of zoning.
16. Discuss zoning with reference to its objectives, principles, types and advantages.
17. Define zoning and write importance of zoning in town planning also give classification of zoning.
18. Define slum. Write brief note on methods to clear slum OR prevention of slum formation.
19. Briefly outline causes, characteristics and effects of slum

20. Define landscaping. Write merits and demerits of landscaping.
21. What is the importance of landscaping in town?
22. Describe various surveys required to be conducted before preparing master development plan of a town.
23. Define master plan or development plan. Give its objectives. Enlist data required for preparing master plan. Explain procedure to prepare development plan of an existing town.

