



Salahaddin University – Hawler
College of Engineering/ Department of Architecture
Question Bank- Architectural Design III and IV
Academic year 2023-2024
Second Stage



1. Name schools' types according to their shapes?
2. List the schools' types according to the number of classrooms?
3. What are the schools' types according to the circulation patterns?
4. Draw the Pyramid Hierarchic for School Buildings according to educational Levels.
5. What are the school expansion possibilities? enhance your answer with sketches.
6. Draw the possible schools' forms?
7. What are the planning conceptions for school projects? enhance your answer with sketches.
8. Analyze the selected site according to location factors.
9. How many Entrances have to be provided in primary school site project?
10. What are the departments of primary schools?
11. Draw the functional flow chart for school.
12. Define the main zones in the villa.
13. How to organize villa spaces? enhance your answer with sketches.
14. Define Admitting department in the school.
15. Draw the functional flowchart of admitting department.
16. Define Horizontal and vertical circulation in school project.
17. What is school street?
18. Define the labs Department in schools.
19. Draw the functional flowchart of educational activity.
20. What are the possible plan shapes for classrooms? enhance your answer with sketches.
21. Draw the flow chart of classroom unit in the school.
22. Define the Development of architectural concepts? Enhance your answer with examples
23. Define the primary school components.
24. Draw the Functional Relations of villa spaces.
25. Draw the Different design configurations for the primary school.
26. What is the classroom space, and what are the parts of it?
27. sketch the flow chart of classroom in the primary school.
28. Draw the typical classroom, administration and multipurpose hall.
29. Define the Laboratory department in the primary school.
30. What are the main laboratory disciplines in the primary school?
31. Draw a typical plan layout for laboratory department that shows the preliminary planning.
32. Define the chemical lab. with its essential parts?
33. Describe the open learning space in the primary school. Enhance your answer with sketches.
34. Draw a typical plan layout for art hall in the primary school.
35. Define the administration department in the primary school.
36. Draw a typical plan layout for administration department in the primary school.
37. Define the basic components in the villa.
38. Draw a zoning for different components in the villa.
39. Define the bed rooms department in the villa.

40. Draw a typical plan layout for the villa.
41. Draw Three proposals of the entrances and zoning allocation for your villa project according to the selected site.
42. Prepare a study about the latest design and technical issues related to each component in the primary school.
43. Draw a sketch for the villa and clarify the circulation according to [Guest, family] movement.
44. Concept certification and development (building and site plan), acceptable signature only on sketch concept not on zoning or floor plans.
45. Facade concept; either staff certification OR (if not available) you might use any reference of educational buildings facades don't use other buildings types references unless proof matching.
46. Draw site plan; buildings top view, parking, streets, pedestrians, entries soft and hard surface.
47. Draw floor plans
48. Draw facades & sections
49. Draw bird eye perspective (only one)
50. Draw regular horizon perspectives (two); one near entry, the second from main road station point.
51. What are the main factors that you depend on for selecting site for 5-star hotel?
52. Approved concept (concept development)
53. Draw site plan 1/500
54. Draw floor plans 1/200
55. Draw 3D model bird-eye and real horizon
56. Draw all facades(elevations) with sky lines 1/200
57. Draw one detailed section reflecting your concept 1/200.
58. What are the basic theories of architectural school?
59. Mention types of school and their degree of standardization?
60. List school characteristics according to their types.
61. How to evaluate villa project according to location factors?
62. What are the essential Site Factors For villa design according to the Human being?
63. What are the essential Site Factors according to the Natural Factors?
64. What are the essential Site Factors according to the urban design?
65. Define essential parts of back of the house.
66. Draw the flow diagram of service area for educational project.
67. Define essential parts of the villa.
68. Draw the diagram to enhance the relationship between school entrances, lobbies and circulation.
69. Explain the functional relationship between the school parts, enhance your answer with sketches.
70. Mention the public facilities inside the school.
71. Describe your architectural reference in the design.
72. Define the Internal circulation inside the educational building.
73. Classify the stairs types in the primary school.
74. Define the functional zones for guest rooms in the villa.
75. What are the types of guest rooms according to the room size?
76. What is the standard Planning and design for primary schools?
77. Draw the diagram that shows the Relationship between different zones in the villa.
78. Identify the kitchen space requirements in the villa design.

79. Draw Three proposals of the entrances and zoning allocation for your school project according to the selected site.
80. prepare a study about the latest design and technical issues related to the primary school design.
81. Explain types of space organization through sketch?
82. How you select type of circulation in educational building?
83. Define school and its function and design criteria?
84. What are specifications of modern design for educational building (elementary school)?
85. Design space program for an elementary school of 150 students?
86. Select right color composition for elementary school
87. How you enhance activity in elementary school?
88. How you motivate students through design?
89. Design modern library using contrast color?
90. Analyze three local libraries and three international libraries, then compare design solution?
91. Explain role of color composition in elementary school?
92. Explain types of educational building?
93. What dose eco-friendly house means? Why we need our house to be eco-friendly?
94. What are the main problems with our house design and how we can resolve them?
95. What are the spaces that priorities to be oriented to sun orientation in house design?
96. What is the best orientation building in our region? Why? Support your answers by giving some examples
97. What are the main spaces in a house? Draw the relationship matrix between them and then transformed to zoning.
98. What is the brain storming and how can we bring a reliable concept to our design?
99. What is the difference between analogy and metaphor in architecture concept?
100. In psychological side, what types of colors can be use in the primary school?