

**Set of questions for II cycle of studies students for Diploma Examination
of diploma semester obligatory since 11.04.2019**

ARCHITECTURE

1. Concept project versus building project ,discuss their range and role in the design process.
2. Give one definition of „Architecture” as well as the name of its author. Discuss this definition.
3. Characteristics of Architecture according to Witruwiusz, discuss its validity, give an example
4. Give 3 examples of important creators and theoretics of architecture of XX/XXI centuries.
5. “Parametric architecture”, concept definition, perception of the phenomenon and examples of its representation.
6. Principles of sustainable development and its influence on design of the buildings.
7. Influence of new technologies on the shape of architectural form of the building, give an example.
8. Building function vs. pro ecological concepts, discuss the issue giving an example.
9. The issue of evacuation of people from public utility, evacuation from high objects and high-rise buildings. The analysis of the concept with reference to current regulations.
10. Issues of fire safety in the buildings in architectural and urban scale.
11. Residential functions in industrial buildings, discuss the pros and cons. Give examples of its implementation in Poland and worldwide.
12. Office and service function in industrial buildings. Discuss the pros and cons. Give examples of its implementation in Poland and worldwide.
13. Influence of natural environment on a building location and on project design specifications. Influence of the building Project on environmental changes.
14. Rating of a building life cycle (its phases), its criteria of pro ecological use of materials, its construction and technology performance.
15. Inspiration of regional building vs. current trends in architecture. Give an example and discuss.
16. Modern museum in the city, give examples of chosen solutions.
17. Give 3 examples of floating objects placed in pro industrial areas to make them more attractive and activate. In short, characterize these objects.
18. Universal design, definition of the concept and the main assumptions in the built environment design.
19. Concept of universal design. Discuss at least 2 examples and their implementation in designing.
20. Discuss the solutions improving evacuation of the people with sensor and limited mobility and their influence on architecture
21. The conditions of obtaining the environmental certificate LEED and WELL for buildings.
22. What is the light eclipse of the Earth’ atmosphere What can be done by an architect/urbanist in order not to enhance such eclipse by their projects
23. What is the kinematic architecture? Give examples of the used movement in architecture.
24. Discuss and give examples of digital fabrication.
25. Give an example of the building with LEED BD+C Platinum Certificate and give its specific action.
26. Give 3 chosen buildings of so called: “Green architecture”. Give brief characteristics of one of them pointing to environmental solutions.
27. Give 3 buildings (objects) in which architectural form is connected with water, pointing to design

decisions accepted for solution.

28. Classify the floating objects (buildings) according to the type of technical solutions enabling buoyancy.

29. Give the positive outcomes of algorithmically design.

30. Give and describe 3 examples of commutation design techniques.

31. Analyse the issues of post-industrial buildings adaptations for new features. Give 2 examples.

32. Give at least 3 multidisciplinary design that must be done before conceptual architectural adaptation of landmarked building for its new function

33. What is Revitalization for you? Give 3 examples from Poland and 3 examples from abroad.

34. Is the expression "revitalisation of architectural object " correct? Justify your answer by revitalization definition and the aims of conservation protection zone.