**Set of questions for II cycle of studies students for Diploma Examination
of diploma semester obligatory in 2025/26**

ARCHITECTURE

1. Conceptual project versus building project, discuss their range and role in the design process.

2. Give one definition of ,,architecture" and name its author. Discuss this definition.

3. Characteristics of architecture according to Vitruvius, discuss its validity, give an example

4. Give 3 examples of important creators and theoreticians of architecture of XX/XXI centuries.

5. ''Parametric architecture'', concept's definition, perception of the phenomenon and examples of its's representation.

6. Principles of sustainable development and its' influence on buildings' design process.

7. Influence of new technologies on architectural form of the building, give an example.

8. Building function and 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 issue with reference to current regulations.

10. Issues of fire safety in the buildings in architectural and urban scale.

11. Residential functions in post-industrial buildings, discuss the pros and cons. Give examples of its' implementation in Poland and worldwide.

12. Office and service function in post-industrial buildings. Discuss the pros and cons. Give examples of its' implementation in Poland and worldwide.

13. Influence of natural environment on a building's location and on project's design specifications. Building's influence on enviromental changes.

14. Assesment of a building's life cycle (and its phases),as a criterion of enviromentally friendly use of materials, construction and building technology.

15. Inspiration of regional building and current trends in architecture. Give an example and discussit.

16. Contemporary museum in the city, give examples of chosen solutions.

17. Give 3 examples of floating objects placed in post-industrial areas to make thesezones more attractive and activated. Briefly characterize these objects.

18. Universal design, definition of the concept and main assumptions in the built environment design.

19. Concept of universal design. Discuss at least 2 examples and their implementation in practice.

20. Discuss the solutions improving safety of evacuation of the people with limited mobility and sensory perception . Discuss theinfluence on architecture of such implementations.

21. The conditions of obtaining the environmental certificate LEED and WELL for buildings.

22. What is the light pollution of the Earth's atmosphere. What can be done by anarchitect/urbanistin order not to enhance such pollution with theirprojects

23. What is the kinetic architecture?Give examples of movement in architecture.

24. Discussthe issue and give examplesof digital fabrication.

25. Give an example of the building with LEED BD+C Platinum Certificate and point out solutions that guaranteed the certificate.

26. Name 3 chosen buildings of green architecture. Give brief characteristics of one of them pointing to environmentalsolutions.

27. Name 3 buildings (objects) in which architectural form is connected to water, pointing to design decisions leading to such solution.

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

29. Present the positive outcomes of algorithmical design.

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

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

32. Name at least 3 specific Studies that have to be done before proceeding creating concept of architectural adaptation of a historic building for its new functions.

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

34. Is the expression "revitalizationof architectural object" correct?Justify your answer byrevitalizationdefinition and the aims of conservation protection zone.