

## Engineering examinations

1. Discuss the oldest use of the term "urban planning" and say who and in what situation used this word for the first time.
2. Give the definition of the term "city" which represents to the fullest the features of this type of settlement.
3. List the elements of imageability of the city according to Kevin Lynch and discuss one of them.
4. List the main substructures which are distinguished when describing the spatial structure of a city.
5. List the main categories of open spaces in the social structure of a city.
6. Discuss the event which was the beginning of the modernist movement in urban planning and became a breakthrough in the history of contemporary urban planning.
7. Explain what intensity residential development is.
8. Say in which European city a "five-finger" plan model of an agglomeration was developed and discuss what it consists of.
9. Define the term "Agenda 21" and say on whose initiative, when and where it was created and what it refers to.
10. Give two chosen international documents that promote sustainable development of cities.
11. Give the definition of biologically active area as laid down in legal regulations.
12. Define the term "green infrastructure".
13. List the elements of green infrastructure used for water retention.
14. Say who and in what way enforces the housing policy of the state.
15. Explain the term "city infrastructure" and say what types of it can be distinguished.
16. Give the criteria of division of services.
17. Explain what the Bilbao effect is in city development.
18. List solutions that are employed because of increasing traffic intensity in cities.
19. Say how transport can be enhanced in order to improve city centres.
20. Explain the concept "urban renewal" as laid down in the Polish urban renewal act.
21. Define the term "midtown" (śródmieście) and how it differs from "city centre".
22. Explain the term "brownfields".
23. On a chosen example, discuss the actions used in transformations of old harbour areas in cities.
24. Discuss the most important features of culturally valuable public space.
25. Define the term "agglomeration" and say what kind of spatial plan it may have.
26. Say who and when created the elaboration "Functional Warsaw" and describe its main premises.
27. Discuss what great threshold investments in cities may be connected with.
28. Discuss what urbanisation is and what this process consists of.
29. Explain the term "suburbanisation" and describe how this happens.
30. Explain the term "urban sprawl" and describe the phenomena that characterise this type of settlement.
31. Say which planning document is the valid act of local law and which body lays down this act.
32. Give the main procedural stages when a local spatial development plan is developed.
33. Say which document reflects the spatial policy of a gmina and what two main parts it consists of.
34. Give the main differences between the Study of conditions and directions of spatial development in a gmina and a local spatial development plan.
35. Explain the concept "universal design".
36. Explain the concept "charrette workshop" and discuss the basic rules of this design method.
37. Explain the difference between planning social service investments and commercial service investments.

38. List the main elements of city landscape which affect the observer, according to the theory of Kazimierz Wejchert.
39. List the basic elements of urban composition and discuss one of them.
40. List the kinds of urban interiors and say what types of them there may be.
41. List the types of perspective openings in a simple urban interior.
42. Characterise the concept of "internal angle" in urban design and quote the values of this angle for an urban interior with a clear spatial form.
43. List the possibilities of using natural light in an urban composition.
44. List the possibilities of using artificial lighting in an urban composition.
45. List the possibilities of using colour in an urban composition.
46. Discuss the possibilities of using plants in an urban composition.
47. Explain the term "crystallising element of the city plan", referring to the theory of Kazimierz Wejchert.
48. Explain the term "development intensity index" and say in which documents it is used.
49. Give the parameters and indices of land development which are determined in planning documents at the local level.
50. Explain the term "area capacity" and say for what purpose it is used in urban planning.