Transport Operation

Final Exam Questions

1. Describe traffic calculation methods according to their implementation
2. Development and designing aspects of bus stations
3. Classification of bus traffic by territorial and ownership aspects
4. Problems in regional bus transport system
5. The process of planning bus timetables, the tasks of the route planning
6. Maintenance technologies and strategies
7. Describe the operation of the automatic (Westinghouse) air brake system
8. What kind of railway stations do exist? Please describe the main functions of each type.
9. Necessity of public transport prioritization
10. Main benefits that passengers/operators/society can achieve during public transport prioritization
11. Classification of public transport priority treatments
12. Basic questions of the network planning process and the appropriate names and order of FSM steps
13. Introduce the two levels of transport modeling in general
14. Introduce interoperability and intermodality in general
15. Introduce the main features and advantages of an optional intermodal or interoperable system
16. Specialities of urban transport and their effects on road and public transport systems
17. Classification of urban public transport modes. Main technical differences between the most common urban public transport modes.
18. Passenger capacity of public transport lines. Compare the typical service parameters of two specific modes, and explain their effect on the application area of the two modes.
19. Cost structure of public transport systems; application range of specific modes based on average costs