

BE Semester-VII
(CIVIL ENGINEERING)

Question Bank

B. E. SEMESTER VIII (CIVIL ENGG.)

SUBJECT :- E. P. II (Transportation Engineering-II)

CODE :- CE805

All questions carry equal marks(10 marks)

Q.1	What are the functions of Transportations?
Q.2	What are the advantages and dis advantages of Transportation?
Q.3	What are the advantages and dis advantages of various modes of transportation?
Q.4	Explain the objectives of Transportation Planning.
Q.5	Explain the components of Comprehensive Planning.
Q.6	What are the levels of Urban transportation planning? Explain with sketch.
Q.7	What are the objectives of coordination? Explain the advantages and dis advantages of coordination.
Q.8	Explain the factors affecting coordination.
Q.9	Explain various types of coordination.
Q.10	Explain – Private transport system, Para transit system, Mass transit system, Rapid transit system.
Q.11	Define – Study area, Cordon line, Zone, trip, Internal Trip, Intrazonal trip, Through trip, Trip generation, Trip distribution, Desire line, Horizon year, Growth factor,
Q.12	Explain the factors affecting Trip production and attraction?
Q.13	Enlist the methods of Trip generation . Explain Regression analysis method of trip generation.
Q.14	Explain Category Analysis method.
Q.15	Explain Aggregate and Dis aggregate approach.
Q.16	Explain limitations of Gravity model method

Q.17	Enlist the methods of Trip Distribution. Explain Average uniform Growth Factor method.
Q.18	Write a short note on “Gravity Model”.
Q.19	Briefly explain about the Fratar method of trip distribution.
Q.20	Example on Gravity model
Q.21	Explain the factors affecting Route choice.
Q.22	Write a short note on “All or Nothing Assignment Method”
Q.23	Explain Logit Model and Trip Interchange model.
Q.24	Differentiate between flexible and Rigid pavement.
Q.25	Explain the factors affecting Pavement design.
Q.26	Explain about the ESWL with neat sketch.
Q.27	Explain California Bearing Ratio (CBR) method with neat sketch.
Q.28	What are the desirable properties of good aggregates?
Q.29	Explain Marshall Stability test with sketch.
Q.30	Explain Benkelman Beam method with sketch.
Q.31	Enlist the methods of design of Flexible pavement. Explain any one in detail with sketch.
Q.32	Explain the Westergaard method of design of Rigid pavement with sketch.
Q.33	What are the types of joints in Cement concrete road? Explain each with neat sketch.
Q.34	Explain the various types of failures observed in Flexible pavement.
Q.35	Explain the various types of failures observed in Rigid pavement.
Q.36	What is importance of maintenance of roads? Explain various types of maintenance.
Q.37	Write a short note on “Bump Integrator”.
Q.38	Write a short note on “Shape test for Aggregate”.
Q.39	Write a short note on “Los Angeles Test”.
Q.40	Write a short note on “Penetration Value for Bitumen”.

