



Department of Civil Engineering

CE 8604 – Highway Engineering

Unit I - MCQ Bank

1. The main objective of transportation is?

- a) Economical transport of goods
- b) Economical transport of passengers
- c) To generate revenue
- d) **Safe economical and efficient transport of goods and passengers**

Answer: (d)

2. The factors influencing the cost of transportation are?

- a) Supply
- b) Demand
- c) **Both supply and demand**
- d) Cost of land

Answer: (c)

3. Which is the most flexible type of transportation available?

- a) **Roadway**
- b) Railway
- c) Waterway
- d) Airway

Answer : (a)

4. The PMGSY aims to connect all villages under a population of 500 by which year?

- a) 2003
- b) 2004
- c) 2005
- d) 2007**

Answer: (d)

5. The main features of the roman road do not include the following?

- a) They were built straight
- b) They were strong**
- c) They excavated soft soil till hard strata was obtained
- d) The total thickness was 0.75m to 1.2m

Answer: (b)

6. The tresaguet method of laying roads was developed in the year?

- a) 1764**
- b) 1774
- c) 1800
- d) 1796

Answer: (a)

7. The transportation system that requires a low initial investment among the following is?

- a) Roadway**
- b) Railway
- c) Harbour
- d) Airport

Answer: (a)

8. The method of providing a definite cross slope by varying thickness of foundations under roads was proposed by?

- a) Tresauguet
- b) Metcalf
- c) Telford**
- d) Macadam

Answer: (c)

9. The cross slopes provided for drainage water under Macadam's construction road is?

- a) 1 in 10
- b) 1 in 20
- c) 1 in 36**
- d) 1 in 40

Answer: (c)

10. The broken stones that were used in the construction of roads in macadam's construction were?

- a) 10mm and 20mm
- b) 20mm and 40mm
- c) 30mm and 50mm
- d) 50mm and 100mm**

Answer: (d)

11. The phases of highway planning do not include the following?

- a) Assessment of road length requirement
- b) Preparation of master plan
- c) Showing the phasing of a plan in five year plan
- d) Financing**

Answer: (d)

12. Which type of roads can be utilized during monsoon?

- a) Unpaved roads
- b) Gravel roads
- c) Bituminous roads**
- d) Fair weather roads

Answer: (c)

13. The Nagpur plan classified the roads based on _____

- a) Location
- b) Function
- c) Location and function**
- d) Annual daily traffic

Answer: (c)

14. The roads that connect the district headquarters to important city of other state is called _____

- a) National Highway
- b) State Highway**
- c) Major district road
- d) Other district road

Answer: (b)

15. The arterial roads are a classification of which type of roads?

- a) Rural roads
- b) Urban Rods**
- c) National highway
- d) State highway

Answer: (b)

16. Planning is based on _____

- a) Factual data
- b) Analysis
- c) Scientific data

d) Factual data and analysis

Answer: (d)

17. The planning survey consists of how many numbers of studies?

- a) One
- b) Two
- c) Three

d) Four

Answer: (d)

18. The estimates are studied in which type of studies?

- a) Economic studies**
- b) Financial studies
- c) Traffic studies
- d) Engineering studies

Answer: (a)

19. The revenue from road transport sector is studied in which type of studies?

- a) Economic
- b) Financial**
- c) Traffic
- d) Engineering

Answer: (b)

20. The accident cost analysis is estimated by conducting _____

- a) Origin and destination
- b) Traffic survey**
- c) Transportation facilities
- d) Geometric design

Answer: (b)

21. As per the Nagpur plan, the un-surfaced roads were meant for _____

- a) National highway
- b) State highway
- c) Major district road
- d) Other district road and village road**

Answer: (d)

22. The total length of the first category roads was calculated by adding up the sum of _____

- a) NH+SH+MDR**
- b) NH+SH
- c) SH*2
- d) NH+2SH+MDR

Answer: (a)

23. What was the development allowance assumed in the Nagpur plan?

- a) 10%
- b) 20%
- c) 15%**
- d) 25%

Answer: (c)

24. During the development of the roads maximum priority is given to which type of road?

a) National highway

b) State highway

c) Major district road

d) Village road

Answer: (a)

25. The total length of highways in 2001 in km was _____

a) 56000

b) 56756

c) 56750

d) 57000

Answer: (d)