



BLACK DIAMOND SCHOOL OF ENGINEERING

CIVIL ENGINEERING DEPARTMENT

QUESTION BANK

4TH SEMESTER

SUB: HIGHWAY ENGINEERING

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Sub - Highway engineering (4th sem.)
(2x10)

- 1) what is cross-drainage work?
- 2) what do you mean by kerbs?
- 3) what is stopping sight distance?
- 4) Define cross slope?
- 5) Define right of way?
- 6) what is carriage way?
- 7) what is hardness of aggregate?
- 8) Explain the necessity of curves?
- 9) why retaining walls are constructed on hill road?
- 10) what do you know about Jayakar Committee?

Ans any six.

- 1) Describe the classification of road as per IRC?
- 2) what are the requirement of highway drainage system?
- 3) Describe PIEV?
- 4) Short Note on Nagpur Road Conference
- 5) what is total Reaction time?
- 6) Difference between lag distance & Braking distance?

long questions

- 1) Explain the design, control & criteria of highway?
- 2) Describe Right way?
- 3) Explain Road Margins?

Short question

(10 x 2)

- 1) What is soil erosion?
- 2) Define Super elevation?
- 3) What are the advantages of super elevation?
- 4) What do you mean by sight distance?
- 5) What are fine coarse aggregates?
- 6) Define PC Road?
- 7) What is scale of bitumen in road?
- 8) What is the necessity of Re-carpeting?
- 9) What are the objects of providing road pavement?
- 10) What is kerbs?

Ans any six

(5 x 6)

- 1) Describe in brief sight of way?
- 2) Describe the requirement of an ideal road alignment?
- 3) Describe the merits of flexible pavements?
- 4) What is the necessity of road drainage system?
- 5) What are the advantages of embankment construction?
- 6) Describe the comparison between bitumen & tar?
- 7) Explain the advantages of bitumen modifier?

Long ques

(2 x 10)

- 1) What is soil stabilization? Explain different method of soil stabilization.
- 2) What is land slide? Explain the types and cause of land slides and control measures to prevent land slides?