

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-265
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E. (Civil)
Transportation Engg.- II
(REVISED)

[Time: Three Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

- N.B i) Q.No.1 and 6 are compulsory.
ii) solve any two questions from the remaining of each section.
- Section A**
- Q.1 What are the significant recommendations of Jayakar committee Report? Mention how this helped in road development in India. 10
- Q.2 a. Discuss the factors to be considered in deciding the sight distance at intersections. 07
b. What are the desirable properties of subgrade soil? Enumerate the identification and classification tests of soil. 08
- Q.3 a. Explain the necessity and objects of highway planning. 07
b. Drive the expression for stopping sight distances on plain road. 08
- Q.4 a. Write a short note on : i) NHDP (national highway development program) ii) IRC (Indian road congress) 08
b. What are the desirable properties of bitumen? Explain penetration test in detail 07
- Q.5 Discuss the Analysis of overtaking sight distance on the two way road, Assumptions made in OSD analysis . and how the various components of OSD are determined 15
- Section B**
- Q.6 Explain spot speed, running speed, space mean speed, time mean speed and average speed of vehicle. 10
- Q.7 a. Explain in detail the construction of WBM road. 07
b. Enlist and explain different types of joints in rigid pavements. 08
- Q.8 a. Explain various causes of pavements failure. 07
b. What are various types of traffic island used .Explain the use of each. 08

- Q.9 a. Explain the construction process of cement concrete road. 07
- b. Enlist various types of equipment and machinery used for road construction. Explain any one of them. 08
- Q.10 Explain Group Index method of pavement design. What are the limitations of this method. 15