

Q.30 What is road maintenance?

Q.31 Write a note on bulldozers with neat sketch.

Q.32 Write the working of asphalt paver.

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 Explain in detail the construction procedure for bituminous penetration macadam road.

Q.34 How the maintenance of bitumens road carried out?

Q.35 Discuss in details working of hot mix plant.

Q.36 Discuss in details compaction procedure of highway pavement.

No. of Printed Pages : 4

Roll No.

127164

6th / Civil Engg.

Subject : Highway Construction and Maintenance

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory (10x1=10)

Q.1 Full form of IRC.

Q.2 CRPI stand for _____

Q.3 MORTSH stand for _____

Q.4 Function of Tack coat is to _____.

Q.5 DBM stands for _____

Q.6 The maximum distance between transverse Joint is kept _____

Q.7 Curing is done to dissipate the _____

Q.8 Function of road drainage is _____.

(60)

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Q.9 A dump truck is also called _____.

Q.10 _____ boiler are used for heating tar.

SECTION-B

Note: Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 Define road pavement.

Q.12 Define subgrade and its function.

Q.13 Define lime stabilization.

Q.14 Define WBM road.

Q.15 Define tack coat and its function.

Q.16 Define mix seal surfacing.

Q.17 Name methods of construction of cement concrete road.

Q.18 Define construction joints.

Q.19 Write advantages of mastic asphalt.

Q.20 Define pavement failure in short.

Q.21 Define resurfacing.

Q.22 What is mud pumping?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 How the subgrade is prepared for flexible pavement construction?

Q.24 Write a short note on optimum lime content determination.

Q.25 Define close graded GSB.

Q.26 State the requirements of a aggregate for WBM roads.

Q.27 Explain the function of seal coat.

Q.28 What is fly ash stabilization and its importance in present scenario.

Q.29 What are the objects of expansion joints in road pavements.