

Birla Institute of Technology & Science, Pilani- Pilani Campus

First Semester 2023-2024

Mid Semester Exam

Course No: CE G547

Nature of Exam: Closed Book

Duration: 90 Min

Course Title: Pav. Fai. Eva. & Reh.

Max. Marks: 50 (Weightage: 30%)

Date of Exam: 14/10/2023

Note:

1. All questions are compulsory.
 2. Figures to the right indicate full marks
-

Q.1	Write the procedure of long-term aging of bitumen in the laboratory [5]
Q 2	Explain the effect of bituminous mix properties on the rut resistance of bituminous mixes [10]
Q 3	Explain the causes of moisture damage in the bituminous mixes [10]
Q 4	Explain the preventive measures for joint curling and warping in PQC layer of rigid pavement [10]
Q 5	Explain the cross stitching method adopted for the treatment of longitudinal cracks in PQC layer of rigid pavement [6]
Q 6	Explain the causes of map cracking in PQC layer of rigid pavement [9]