



**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENAGLURU - 560109**

**DEPARTMENT OF CIVIL ENGINEERING**

**ASSIGNMENT-1**

<b>Academic Year</b>	2023-2024		
<b>Batch</b>	2020		
<b>Year/Semester/Section</b>	VIII sem	<b>Dept.</b>	Civil
<b>Subject Code-Title</b>	18CV824		
<b>Name of the Instructor</b>	Manjunath B		

<b>Assignment No: 1</b>		<b>Total marks:15</b>		
<b>Date of Issue: 01/04/2024</b>		<b>Date of Submission: 10/04/2024</b>		
Sl. No.	Assignment Questions	K Level	CO	Marks
1.	<b>Classify</b> Repair, Rehabilitation and maintenance.	K2	CO1	2
2.	<b>Explain</b> carbonation attack, chloride attack and sulphate attack on concrete.	K2	CO1	2
3.	<b>Discuss</b> the effect of temperature on structures and also <b>Explain</b> abrasion and erosion in concrete structures.	K2	CO1	2
4.	<b>Explain</b> freezing and thawing effect and preventive measures to avoid it.	K2	CO1	2
5.	<b>Discuss</b> structural damages caused to the concrete structural elements due to earthquake.	K2	CO1	2
6.	<b>Discuss</b> different types of cracks.	K2	CO2	1
7.	<b>Explain</b> the different types of cracks that appear before hardening.	K2	CO2	1
8.	<b>Discuss</b> the Non-structural damages caused to the concrete structural elements due to earthquake.	K2	CO2	1
9.	<b>Discuss</b> the physical inspection of damaged structure.	K2	CO2	1
10.	<b>Explain</b> non-destructive destructive testing systems.	K2	CO2	1

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**Course In charge**

*W. Kelle*

**Head - Dept.**

**Professor & Head**

**Dept. of Civil Engineering**

**K.S. Group of Institutions**

**K.S. School of Engineering & Management**  
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