Please check that this question paper contains_8_ questions and _1_ printed pages within first ten minutes.	
[Total No. of Questions: 08]	[Total No. of Pages: 01.] MORNIN
Uni. Roll No	2 3 JUN 20
	(Batch 2019 onward) Structural Health Monitoring & Retrofitting Γ-115
Detail of allowed codes/charts/tables etc : NA	
Time Allowed: 03 Hours	Max. Marks: 100
NOTE: 1) Attempt all questions 2) Any missing data may be assumed appropri	ately
Part-A (4 (@ 5 = Marks)
Q1. Explain in detail mechanism of carbon measures?	nation induced corrosion, suggest suitable remedial
Q2. What are the barriers in structural health mo Q3. What is quality control of in structures.	onitoring.
Q4. Enumerate the various cracks repairs tech	iniques and other repair techniques for structures.
Part-B (4 @	20 = 80 Marks)
Q5. What are smart materials and explain their a	applications in structural health monitoring.
What are the sensors in structural health r	Or
what are the sensors in structural health?	nonitoring?
Q6. Examine the role of chemical compounds o	n the durability of concrete.
What are the aims of quality control syste	Or em? Explain in detail.
Q7. Define and explain in detail about electro-r	nechanical impedance (EMI) technique.
What are the structural health monitoring	Or challenges in present scenario.
Q8. What is the various model-based techniques	s in dynamic structural health monitoring.

Or Explain the Loading Methods in static structural health monitoring system.
