Duration: 3 hrs [Max Marks: 80	ילוי
 : (1) Question No 1 is Compulsory. (2) Attempt any three questions out of the remaining five. (3) All questions carry equal marks. (4) Assume suitable data, if required, and state it clearly. 	A PROPERTY
Attempt any FOUR	[20]
	(K)
Explain the characteristics of IoT.	
Compare IoT and M2M.	
What is the function of Apache spark.	A
How CAT LTE M1 connectivity technology is used for IoT.	[10]
Explain cyber physical systems in relation to Industry 4.0.	[10]
Define IoT. Explain IoT levels 4 to 6 with necessary diagram.	[10]
Explain CoAP protocol with diagram.	[10]
Explain how plant safety and security is done in Industrial IoT.	[10]
How Structural Health Monitoring is done using IoT?	[10]
Explain SOAP and REST architectures and differentiate between them.	[10]
Explain human machine interaction in Industry 5.0.	[10]
Explain NBIoT protocol in detail with diagram.	[10]
Explain reference architecture of Industrial IoT with neat diagram.	[10]
	: (1) Question No 1 is Compulsory. (2) Attempt any three questions out of the remaining five. (3) All questions carry equal marks. (4) Assume suitable data, if required, and state it clearly. Attempt any FOUR What are the barriers to value creation in industry 4.0. Differentiate between IoT level 2 and level 3 application model Explain the characteristics of IoT. Compare IoT and M2M. What is the function of Apache spark. How CAT LTE M1 connectivity technology is used for IoT. Explain cyber physical systems in relation to Industry 4.0. Define IoT. Explain IoT levels 4 to 6 with necessary diagram. Explain CoAP protocol with diagram. Explain how plant safety and security is done in Industrial IoT. How Structural Health Monitoring is done using IoT? Explain SOAP and REST architectures and differentiate between them. Explain NBIoT protocol in detail with diagram.

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