

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code: OE-EE 701 B Internet of Things

Time Allotted: 3 Hours

Full Marks:70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable.

Group-A (Very Short Answer Type Question)

t. Answer any ten of the following	[1 x 10 = 10]
API stands for	
loT stands for	
NFV means	
For strings, operator performs concatenation	
Raspberry Pi operates	
loT devices are associated with data through which methods?	
UDP stands for	
NVF infrastructure includes computeand storage resources that are virtualized	
Which function print the output to the console?	
XI RISC OS is used as	
Body of IOT system is created bysoftware supporting integration and binds all system	n devices
The unique identifiers for the things of loT are the	
Group-B (Short Answer Type Question)	
Answer any three of the following	[5 x 3 = 15]
2 Define M2M networking	[5]
Write a python program to find the value of 5^2.5	[5]
What is Request Response?	[5]
Write a python program to segregate real and imaginary part of a complex number 5+7j.	[5]
Explain REST based Communication APIs	[5]
Group-C (Long Answer Type Question)	
Answer any three of the following	[15 x 3 = 45]
7. (a) What is the need for IOT systems management?	[7]
(b) Discuss NETCONF protocol layers	[6]
(c) What is YANG	[2]
8. (a) Why python is called multi paradigm programming language?	[6]
(b) Discuss Tupples in python	[5]
(g) Discuss a while loop in python.	[4]
9. (a) Write the steps of device management with NETCONF YANG	[6]
(b) Which limitations make SNMP unsuitable for IOT SYSTEMS	[6]
(c) What is NEETOPEER	[3]
الكرية) Write a program to find area of a triangle.	[4]
Write a program to read three numbers in three variables and swap 1st to variables with sums of 1st and second and second and third numbers respectively.	[7]
Describe lists in python	[4]
11, (a) Determine the IOT for designing structural Health monitoring System.	[9]
Why do IOT systems have to be self adapting and self configuring	[6]
And arrive and advances and a contracting mile on an animal size.	