

INTERNET OF THINGS

Time : 2.30 Hours]

[Maximum Marks : 50

[Minimum Marks : 17

NOTES :

- i) Attempt all questions.
- ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.
- iii) Use of Pager and Mobile Phone by the students is not allowed.

Q1) Attempt any two of the following :**[2 × 5 = 10]**

- a) What are the characteristics of IoT?
- b) What is the need of IoT system management?
- c) What are the basic building blocks of IoT?

Q2) Attempt any two of the following :**[2 × 5 = 10]**

- a) List any two Protocols and its purpose.
- b) Explain the main drivers behind new IoT Architecture?
- c) Discuss IoT challenges.

Q3) Attempt any two of the following :**[2 × 5 = 10]**

- a) Define wireless sensor Network?
- b) What is the difference between adaptation and adoption of the internet protocols?
- c) Write the short note of Resistor.

Q4) Attempt any two of the following :**[2 × 5 = 10]**

- a) Write the features of Arduino device.
- b) What is the difference between M2M and IoT?
- c) Write the characteristics of WoT.

Q5) Attempt any two of the following :**[2 × 5 = 10]**

- a) How to store the high-volume file into Arduino?
- b) Comparison between IoT network and wireless network.
- c) What is SDN of IoT? Explain.