Reg. No. : | | | | | | | | | | |

Question Paper Code: 59211

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Elective

Computer Science and Engineering

01UCS911 - INTERNET OF THINGS

(Regulation 2013)

Duration: 1.15 hrs Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. In the network HTTP resources are located by_____.

   (a) uniform resource identifier (b) unique resource locator
   (c) unique resource identifier (d) none of the above mentioned

2. The vision of the future internet of things includes extended internet of things information services based on the _____ information services.

   (a) EPC (b) TDS (c) TDT (d) ONS

3. The header length of an IPv6 datagram is_____.

   (a) 10bytes (b) 25bytes (c) 30bytes (d) 40bytes

4. A Wi-fi enabled device can be

   (a) PC (b) Game Console
   (c) Mobile Phone (d) All the above

5. Which kind of agent architecture should an agent an use

   (a) Relaxed (b) Logic (c) Relational (d) All the above

6. Mode of data transfer in FTP, _____.

(a) Stream mode (b) Block mode
(c) Compressed mode (d) packet

7. An RPC application requires

(a) specific protocol for client server communication
(b) a client program
(c) a server program
(d) all the above

8. The Intelligence technique used in IOT is _____.

(a) Ambient (b) Fuzzy (c) Normant (d) skew

9. The huge numbers of devices connected to the internet of things have to communicate automatically, not via humans. What is this called

(a) Machine to Machine (M2M) (b) Bot to Bot (B2B)
(c) Skynet (d) Intercloud

10. IPv6 addressed have a size of?

(a) 32 bits (b) 64 bits (c) 128 bits (d) 265 bits

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Compare the functions of different communication technologies used in Internet of Things. (8)

12. Write a program for the demonstration of automated sensor based application. (8)

13. Explain the data synchronization and clustering principles used in Internet of Things. (8)

14. Discuss about the middleware technologies needed for a DiY internet of things. (8)

15. Explain the mechanism used in the applications linking Internet of Things to Web of Things. (8)