**Question Bank ET & IoT**

Q.1 What is break and continue statement?

Q.2 Discuss the features of Keil Compiler.

Q.3 Discuss Arduino Uno board and also mention the number of digital pin and analog pin in it.

Q.4 Discuss control statements used in programming language.

Q.5 What is serial communication? Discuss the different transmission modes in serial communication.

Q.6 What is the Syntax of if , if-else and nested if-else?

Q.7 What is a sensor? Discuss the different types of sensors and their applications.

Q.8 Write a program to make switch operated LED light and draw the proteus diagram for the same.

Q.9 Compare while loop and a do while loop.

Q.10 Differentiate between Two Way Selection and Multiway Selection with proper syntax, flowchart and suitable example.

Q.11 Discuss the basic commands and Functions for Arduino programming with proper syntax.

Q.12 Write an Arduino code to glow one LED ON for 0.1 sec and OFF for 100 miliseconds.

Q.13 With an example sketch, explain multidimensional array.

Q.14 Develop the coding for arduino interfacing with LCD 2x16.

Q.15 Write a program to make switch operated blinking of one LED ON for 2 sec and OFF for 1 sec.

Q.16 Eloborate the following functions: (i) analogRead() and (ii) delayMicroseconds()

Q.17 Explain about integrated development environment (IDE).

Q.18 Explain the break and continue statement and its applications?

Q.19 Differentiate between else if and switch statements with examples.

Q.20 Draw and explain block diagram of switch case statement in ‘C’ programming.

Q.21 Compare : for, while or Do While?

Q.22 Write a code in Arduino to detect obstacle using Ultrasonic Sensor as well as IR sensor.

Q.23Write a code in Arduino to rotate a dc motor clockwise for 10 sec and anticlockwise for 35 sec.

Q.24 What is serial communication? Discuss the different transmission modes in serial communication.

Q.25 Write a program design traffic light control Signal one way.