



BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – Dip.RA-2022
Course Name – Introduction to IOT
Course Code - ECPE501B
(Semester V)

Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. *Choose the correct alternative from the following :*

- (i) Identify the full form of IoT.
 - a) Internet of Technology
 - b) Incorporate of Things
 - c) Internet of Things
 - d) Incorporate of Technology
- (ii) Identify the year of the actual term "Internet of Things" coined.
 - a) 1998
 - b) 1999
 - c) 2000
 - d) 2002
- (iii) Select, which of the following is not an IoT platform.
 - a) Amazon Web Services
 - b) Microsoft Azure
 - c) Salesforce
 - d) Flipkart
- (iv) Explain the layer that is used for wireless connection in IoT devices.
 - a) Application layer
 - b) Network layer
 - c) Data link layer
 - d) Transport layer
- (v) Select from the following that is false about the IoT components.
 - a) A light sensor (photoresistor) is an analog sensor
 - b) A microphone is a digital sensor
 - c) A push button is a digital sensor
 - d) A keyboard is a digital sensor
- (vi) Select the following command that is used to trigger the Amazon echo IOT device.
 - a) Hello
 - b) Suri
 - c) Alexa
 - d) Hey
- (vii) Select the following that is not related to Arduino IDE IoT software.
 - a) Serial monitor
 - b) Verify
 - c) Upload
 - d) Terminate

12. Decide whether Smart Applications are suitable for small-scale industries, and provide supporting arguments. (5)

OR

Evaluate the effectiveness of existing IoT middleware solutions in addressing the challenges of industrial IoT applications. (5)
