



PCCU
Pimpri
Chinchwad
University

Enrolment No.

Pimpri Chinchwad University
Established under Govt. of Maharashtra Act No. 1 of 2022
Sate, Maharashtra (PMBDA) Dist - Pune, Maharashtra - 412 106



SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF BCA

ACADEMIC YEAR: - 2024-25(ODD SEM.)
CLASS TEST-II EXAMINATION - NOVEMBER- 2024

Program : BCA

Maximum Marks: 20 marks

Batch : 2024-2027

Date: -12th November 2024

Semester: 1

Time: 1 Hr.

Course Name: Web Technology

Course Code : UBC103

Course Outcomes (CO):

- CO1: Identify basic web development methodologies
- CO2: Understand static web-based application using suitable client-side web technologies
- CO3: Apply Knowledge of foundational understanding of web development concepts for further study
- CO4: Analyze and create responsive layouts that adapt to various devices and screen sizes
- CO5: Evaluate the JavaScript, enabling dynamic content generation, effective event handling, and efficient DOM traversal techniques.

Instructions: -

- Attempt any 4 Questions.
- Each Question Carries 5 Marks.
- Give suitable example where required.

| Question | CO | BL |
|--|----|----|
| Q.1) Explain Types of Cascading Style sheet | 2 | 2 |
| Q.2) Explain 5 HTML tags with example | 1 | 1 |
| Q.3) Write JavaScript code to find sum of first 10 natural numbers | 3 | 3 |
| Q.4) Write JavaScript code to accept number from user and find factorial of a number | 3 | 3 |
| Q.5) Write JavaScript code to print elements of an array. | 3 | 3 |



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SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF BCA

ACADEMIC YEAR: - 2024-25(ODD SEM.)

Class Test-I Examination – September- 2024

Program : BCA

Batch: 2023-25 Semester: I Max

Marks: 20 marks

Date:

Time:

Course Name: Programming with C++

Course Code: UBC103

Course Outcomes (CO):

- 1.To identify basic web development methodologies
2. Understand static web-based application using suitable client-side web technologies
3. Apply Knowledge of foundational understanding of web development concepts for further study
4. Analyze and create responsive layouts that adapt to various devices and screen sizes.
5. Evaluate the JavaScript, enabling dynamic content generation, effective event handling, and efficient DOM traversal techniques.

Instructions:

1. Each question carries equal marks.
2. Answer any four questions.
3. Include relevant figures and examples where necessary.

| Question | CO | BL | Marks |
|---|----|----|---------|
| Q.1) Explain basic HTML tags | 1 | 1 | 5 Marks |
| Q.2) A list of your favorite fruits (using the tag). | 1 | 2 | 5 Marks |
| Q.3) Create Login Page, with username, password and submit button. | 2 | 2 | 5 Marks |
| Q.4) Create a form with two radio button for Gender values Male and female. With submit button | 2 | 2 | 5 Marks |
| Q.5) Using style tag , give background color to the body and color to the paragraph of the web page | 2 | 2 | 5 Marks |
| Or | | | |
| Q5) Explain what is website , web page, WWW and internet | | | |

6. Which of the following is true about Arduino IoT devices?
- ☒ a) They are open-source software
 - b) They can only read analog inputs
 - c) They have their own operating systems
 - d) They don't have pre-programmed firmware
7. What is the component of an IoT system that executes a program?
- a) A sensor
 - ☒ b) A microcontroller
 - c) An actuator
 - d) A digital to analog converter
8. Which programming language is used by Arduino IDE IoT software for writing codes?
- a) Python
 - b) Java
 - ☒ c) C/C++
 - d) JavaScript
9. What is the full form of IDE in Arduino IDE IoT software?
- a) Intra Defence Environment
 - b) Intra Development Environment
 - ☒ c) Integrated Development Environment
 - d) Integrated Deployed Environment
10. The term IoT was coined in?
- a) 2000
 - ☒ b) 1999
 - c) 1998
 - d) 2001

| Question | CO | BL | Marks |
|---|----|----|---------|
| Q.2) What is IOT? List the characteristics. | 1 | 1 | 5 Marks |
| Q.3) Where IOT get utilised in everyday life? | 1 | 2 | 5 Marks |
| Q.4) What are enabling technologies in IOT? | 2 | 2 | 5 Marks |

*****All the Best*****

CND



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Class Test-I Examination – September- 2024

Program : BCA

Batch : 2024-25

Semester: I

Maximum Marks: 20 marks

Time: 1 Hr.

Course Name: Introduction to IoT

Course Code : UBC108A

Course Outcomes (CO):

1. Understand various concepts, terminologies and architecture of IoT systems
2. Explain the Use sensors and actuators for design of IoT.
3. Apply various protocols for design of IoT systems.
4. Analyse the various techniques of data storage and analytics in IoT.
5. Discuss the APIs to connect IoT related technologies.

Instructions:1) Q.1 is compulsory

2) Solve any Two from Q.2 to Q.4

Q.1) Solve all Multiple Choice Question

10 Marks

1. What is the full form of IoT?
 - a) Internet of Technology
 - b) Incorporate of Things
 - c) Internet of Things
 - d) Incorporate of Technology
2. Which of the following is not an IoT device?
 - a) Table
 - b) Laptop
 - c) Arduino
 - d) Tablet
3. Which of the following is false about IoT devices?
 - a) IoT devices use the internet for collecting and sharing data
 - b) IoT devices need microcontrollers
 - c) IoT devices use wireless technology
 - d) IoT devices are completely safe
4. Which of the following is not an application of IoT?
 - a) BMP280
 - b) Smart home
 - c) Smart city
 - d) Self-driven cars
5. Which of the following is used to capture data from the physical world in IoT devices?
 - a) Sensors
 - b) Actuators
 - c) Microprocessors
 - d) Microcontrollers

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Program : BCA

Batch : 2024-25

Semester: I

Maximum Marks: 20 marks

Time: 1 Hr.

Course Name: Management Information System

Course Code : UBC107/VSC

Course Outcomes (CO):

1. Define the Role of Management Information system in various organizations.
2. Explain the application of the Information System.
3. Illustrate the role of Information Processing and Computer devices for designing a system.
4. Integrate the various parts of a System for designing a functional information system.
5. Discuss the Importance of Decision support system for enhancing the decision making.

Instructions:

1. All questions carry equal marks.
2. Draw the diagram wherever necessary.
3. Solve any 4 questions given below.

| Question | CO | BL | Marks |
|---|----|-----|---------|
| Q.1) Define MIS. Illustrate the characteristics of MIS. | 1 | 1,2 | 5 Marks |
| Q.2) What are the features and functions of MIS? | 1 | 1 | 5 Marks |
| Q.3) Summarize how MIS supports planning. | 1 | 2 | 5 Marks |
| Q.4) Explain key components of MIS. | 1 | 1 | 5 Marks |
| Q.5) Explain types of information with examples? | 1 | 1 | 5 Marks |

*****Best of Luck*****