

■ Madhya Pradesh

■ Gujarat.

12. (A) What is a style sheet ? What are the various advantages of style sheet ? 6

(B) Explain the Font and Text properties of CSS with suitable example. 6

**OR**

13. (A) Explain classes and ID attribute with suitable example. 6

(B) Explain the following properties of CSS with suitable example : 6

(i) Color

(ii) Background

(iii) Border.

**AP-454**

**B.Sc. Part—II (Semester—III) Examination**

**3S : COMPUTER SCIENCE / COMPUTER  
APPLICATION / INFORMATION TECHNOLOGY  
(Object Oriented Programming with C++ and Web  
Technology)**

Time : Three Hours]

[Maximum Marks : 80

**Note :—** (1) **ALL** questions are compulsory.

(2) All questions from **2** to **13** carry **12** marks each.

(3) Assume suitable data wherever necessary.

1. (A) Fill in the blanks and rewrite the following : 2

(i) CSS stands for \_\_\_\_\_.

(ii) \_\_\_\_\_ are also referred to as instances of a class.

(iii) The \_\_\_\_\_ attribute provide alternate text to display if an image is not displayed.

(iv) The declaration statement for a function is referred to as a \_\_\_\_\_.

(B) (i) Which C++ non-overloaded arithmetic operator that is implemented only for integers ? 2

- (a) plus
- (b) minus
- (c) division
- (d) modulus.

(ii) Which of the following is not user defined data type ?

- (a) Enumeration
- (b) Structure
- (c) Union
- (d) Void.

(iii) Which tag is used in HTML document for in-line images ?

- (a) < Body >
- (b) < p >
- (c) < Img >
- (d) < B >

(B) Explain multipoint network topology and write its advantages and disadvantages. 6

**OR**

9. (A) Explain the layers of OSI model. 6

(B) Explain LAN and WAN. 6

10. (A) Explain the following HTML tags with its attributes : 6

- (i) Body
- (ii) Marquee.

(B) Write HTML code for the following output : 6

| RESULT     |            |
|------------|------------|
| Courses    | Percentage |
| B.A. III   | 80 %       |
| B.Sc. III  | 60 %       |
| B.Com. III | 70 %       |

**OR**

11. (A) Explain the < A > Anchor tag with its attributes and give example. 6

(B) Write HTML code for the following output : 6

- ☐ States of India
- ☒ Maharashtra

(iv) HTML is \_\_\_\_\_.

- (a) Hyper Text Manipulation Language
- (b) Hyper Text Main Language
- (c) Hyper Text Markup Language
- (d) None of these.

(C) Answer in **one** sentence :

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- (i) What is inline function ?
- (ii) What is token ?
- (iii) What is Networking ?
- (iv) What is use of < CAPTION > tag ?

2. (A) What are the features of OOPS ? 6
- (B) Explain user defined data types used in C++. 4
- (C) What is an identifier ? 2

**OR**

3. (A) Write the advantages of OOP and compare it with POP. 6
- (B) Explain the following terms : 6
- (i) Keywords
  - (ii) Symbolic Constant
  - (iii) Dynamic initialization of variable.

4. (A) Explain scope resolution operator with example. 6  
(B) Explain the concept of switch statement with example. 6

**OR**

5. (A) Explain Implicit and Explicit type conversion with suitable example. 6  
(B) Explain the concept of function overloading with suitable example. 6  
6. (A) Explain, how member functions can be defined inside and outside the class. 6  
(B) Explain the concept of constructor with default argument with suitable example. 6

**OR**

7. (A) What is friend function ? Explain with example. 6  
(B) Explain the following terms and give example : 6  
(i) Copy constructor  
(ii) Destructor.  
8. (A) Explain the concept of Network. What are the goals of networking ? 6