This Question Paper consists of 39 questions	and 11 printed pages.
Roll No.	Code No. 69/MAY/4
ista of 39 questions in all.	Set A
	(ii) All question are given against (iii) Marks are given against (iv) Section-A consists of
Day and Date of Examination Thuns of Signature of Invigilators 1.	1 ay , 24104125
nons of 2 marks each (with 2 sub-parts if	
General Instructions:	(v) Section-B consists of
<ol> <li>Candidate must write his/her Roll Number Paper.</li> <li>Please check the Question Paper to vernumber of questions contained in the Queprinted on the top of the first page. Also in sequential order.</li> </ol>	ify that the total pages and total estion Paper are the same as those check to see that the questions are
3. For the objective type of questions, you h	have to choose any one of the four

- 3. For the objective type of questions, you have to choose any one of the four alternatives given in the question, i.e., (A), (B), (C) or (D) and indicate your correct answer in the Answer-Book given to you.
- 4. Making any identification mark in the Answer-Book or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 5. Answer for all questions, including Matching, True or False, Fill in the blanks, etc., are to be given in the Answer-Book only.
- 6. Write your Question Paper Code No. 69/MAY/4, Set A on the Answer-Book.

# Unnati Educations [P.T.O. 9899436384, 9654279279

#### COMPUTER SCIENCE

(330)

Time: 3 Hours |

Maximum Marks: 60

Note: (i) This question paper consists of 39 questions in all.

- (ii) All questions are compulsory.
- (iii) Marks are given against each question.
- (iv) Section-A consists of
  - (a) Q. Nos. 1 to 12—Multiple Choice-type questions (MCQs) carrying 1 mark each. Select and write the most appropriate option out of the four options given in each of these questions.
  - (b) Q. Nos. 13 to 24—carry 1 mark each and Q. Nos. 25 to 27
    Objective-type questions of 2 marks each (with 2 sub-parts of 1 mark each). Attempt these questions as per the instructions given for each of the questions 13 to 27.
- (v) Section-B consists of
  - (a) Q. Nos. **28** to **35**—Very Short Answer-type questions carrying 2 marks each to be answered in the range of 30 to 50 words.
  - (b) Q. Nos. **36** and **37**—Short Answer-type questions carrying 3 marks each to be answered in the range of 50 to 80 words.
  - (c) Q. Nos. 38 and 39—Long Answer-type questions carrying 4 marks each to be answered in the range of 80 to 120 words.
- (1) Answers of all questions are to be given in the Answer-Book given to you.
- (2) 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 2:15 p.m. From 2:15 p.m. to 2:30 p.m., the students will read the question paper only and will not write any answer on the Answer-Book during this period.

## Unnati Educations 9899436384, 9654279279

### SECTION-A

1.	A tag is a special word enclosed wit		
	(A), []	(B) () clam blov	
	(C)t < >	(D) {}	1
		In Sussex and Sussex	
2.	Which view allows you to organize a	nd manage the sequence of slides?	1
	(A) Slide show	(A) 965	
	(B) Notes view		
	(C) Slide sorter view		
	(D) Outline view	Size attribute is used to specify the	
		(A). size of the singer in HTML	
3.	Identify the recommended image form	nat for webpages.	1
	(A), .pdf	(B) L.doc semi and to ingion (O)	
	(C) .ppt JMTH al	(D) None of these	
		LO COMPANY DE LA	
4.	The library in C++ provides support	for Vis as all garwollol and to doid!	
	(A) mathematical functions	(A) Background ing	
	(B) character functions		
	(C) string functions	No.	
	(D) All of the above	Which view is used to print mu thunbunils?	1
	Which of the following is an example	for structural tag in HTML?	1
٥.		(B) <head></head>	
		(D) All of these	
	(C) <title>&lt;/th&gt;&lt;th&gt;(D) Notes view (D)&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;6&lt;/th&gt;&lt;th&gt;All TIMES I&lt;/th&gt;&lt;th&gt;Q&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;0.&lt;/th&gt;&lt;th&gt;Align in HTML is&lt;/th&gt;&lt;th&gt;. Which toolhar contains commo P&lt;/th&gt;&lt;th&gt;LI&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;(A) a tag&lt;/th&gt;&lt;th&gt;C) Sremw&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;(B), a command&lt;/th&gt;&lt;th&gt;(A) Formatting toolbar&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;(C) an attribute (D) None of the above&lt;/th&gt;&lt;th&gt;(C) Brawing toolbar&lt;/th&gt;&lt;th&gt;1&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;"Unnati Ec&lt;/th&gt;&lt;th&gt;lucations&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;330&lt;/th&gt;&lt;th&gt;/MAY/216A&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;0.&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Y&lt;/th&gt;&lt;th&gt;200/3638/&lt;/th&gt;&lt;th&gt;965427927&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>		

```
7. Find the output produced by the following program segment (assume all
              header functions are included):
                                                                                                           A reg is a special word inclosed within
                                                      void main()
                                                      int x=965:
                                                      int *y=&x;
                                                      cout <<*y;
                ce of slides?
             (A) 965
                                                                                                                               (B)
                                                                                                                                           *965
             (C) *x
                                                                                                                              (D)
                                                                                                                                           *y
   8. Size attribute is used to specify the
            (A). size of the image in HTML
            (B) width of the image in HTML man between both and the second between the second between
            (C) height of the image in HTML
            (D) No such attribute for the image in HTML
                                                                                                                                                                                                                             1
  9. Which of the following is an attribute of the <BODY> tag?
                                                                                                                                                                                                                            1
            (A) Background img
                                                                                                                             (B) Bgcolour leadanned an (A)
            (C) Title
                                                                                                                             (D) Text another reported [8]
10. Which view is used to print multiple slides on a single page as
             thumbnails?
            (A) Normal view
             (B) Slide sorter view
             (C) Handouts view
             (D) Notes view
11. Which toolbar contains commands for font style and size in OpenOffice
             Writer?
                                                                                                                                                                                                                         1
             (A) Formatting toolbar
                                                                                                                            (B) Standard toolbar
                                                                     ti Education
                              436384.96542m.9
```

```
12. What is the function of the docking toolbars in OpenOffice Calc?
    (A) To create new workbooks
    (B) To display the current worksheet
    (C) To provide quick access to various tools and functions
    (D) To save documents automatically
13. Name the protocol that is the foundation of the Internet.
                                                                    1
                                                                    1
14. Fill in the blank:
    The octal equivalent of (258)_{10} is ____.
15. What will be the output produced by the below given program if the value
                                                                    1
    of the variable x is 24?
                #include<iostream.h>d bearborg ruquo adi ad liw rad .cc
                                  #inchidesiostream.h>
                int main() {
                                          thism biov
                   int x, y = 5
                    cin >> x;
                    cout <<"Sum:"<<x + y<<endl;
                    cout <<"Difference:"<<x-y<<endl;
                    cout <<"Product:"<<x * y<<endl;
                   cout <<"Quotient:"<<x / y<<endl;
                   return 0;
                                                                    1
16. Fill in the blank:
   Winclude (iostroam, h)
17. Name the tag that is used to add items in an ordered list in HTML.
                                                                   1
18. What is the header file for the function log(x)?
                                                                   1
                                                                   1
19. What is the ASCII value of 'D
                             student s= 1101 Gabrie
                                                                   1
20. What is wideo conferencing?
                              Educa
```

```
#include<iostream.h>
                  void main()
                              To provide autok access to various tools a
                      char grade;
                                     To save documents automatically
                      cin>>grade;
                      switch (grade) {
                   terret case 'A': not should sit at tad looolog all small
                              cout<<"Excellent";
                          case 'B':
                              cout<<"Good";
                          case 'C':
                              cout<<"Fair": 25 01820) to instruction Island
                          default:
                             cout<<"Invalid"; "begg tugted and ad Hiw tank as I
                                                   he variable x is 24?
22. What will be the output produced by the below given code?
                  #include<iostream.h>
                                                  int maint
                  void main()
                  int i, s = 1; has > 2 + x >
                      int i = 8, sum = 0;
                          while (i > 0);
                             sum += i;
                             i=i-2:
                          cout <<sum:
23. What will be the output produced by the below given code?
                  #include<iostream.h>
                  void main() ne of smeri bbs of bear at ladt get art south
                  struct Student {
                     What is the header lite for the function los; on_llor tni
                     string name;
                     float marks;
                     int age;
                                           19. What is the ASCII value of Total
                  Student s = \{101, "Gabriel", 85.5, 17\};
330/MAY/216
```

21. Consider the below given program. What output will be produced if the value for the variable grade is entered as B?

1

24. What is the output produced by below given program (assume all header files are included)? #include<iostream.h> void fun1(int); //Statement1 void main() int a = 15; fun1(a); cout <<"a = "<<a: void fun1(int& b) in table BRAI b = b \* b: 25. Fill in the blanks: 21. What do you mean by copying text in OpenOffice W (a) A file is a collection of \_\_\_\_ related records. (b) Files can be opened using the \_\_\_\_ function. 26. State whether the following statements are True or False : 2 (a) Pointers allow dynamic memory allocation in C++. Object pointers can be used to access both public and private members of an object. 27. Fill in the blanks: 2 refers to the position of the data with respect to the boundary of the cell. means arranging data in ascending or descending order. (b) SECTION-B 28. What is a ring topology? 2 What do you mean by hub? 29. What do you mean by char data type? 2 Variable Emp11 Define RDBMS. 330/MAY/216A

30. Write SQL queries for the following based on the below given BRAND table:

	BRAN	VD.	
BRAND_ID	BRAND_NAME	STOCK	TYPE
B001 •	SAMSUNG	1250	DOMESTIC •
B002	LG	1400	COMMERCIAL
B003 .	GODREJ	980	DOMESTIC 0
B004	SAMSUNG	882	COMMERCIAL
B005	GODREJ	1001	DOMESTIC .

- (a) Insert the record B006, GODREJ, 503, COMMERCIAL in table BRAND.
- (b) Display the details of the DOMESTIC TYPE brands.

```
31. What do you mean by copying text in OpenOffice Writer?

2

32. How do <P> and <BR> tags differ in functionality?

2

33. #include<iostream.h> #include<string.h> struct Employee { char name[50] float salary; };

void main() {
```

//statement1

28 What is a ring topology?

Complete the above code for the following:

//statement2

cout<<Empl.name; cout<<Empl.salary;</pre>

Statement 1: Create two objects Emp11 and Emp12 of type Employee.

Statement 2: Input the value for the member salary of the Structure Variable France

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	BRAND	Employee (
BRAND_ID	VARCHAR(6)	PRIMARY KEY
BRAND_NAME	VARCHAR(15)	
STOCK	INT(5)	A WINDER JAC
TYPE	VARCHAR(15)	a a box

Or

99436384.

Define candidate key with an example

class Department (	
35. Define the following terms (any two):	;
char Deprivame[30]	
(a) . (dot) operator	
(b) Member functions	
Part - Sugar	
(c) Constructor	
void EnterDep = ails();  void ShowDep = ails();	
(a) Members	
class Project : puthe Employee, private Department (	
36. Write an HTML code to create a webpage with—	
one Projectivatile(DV)	
(a) a heading "Computer Science Exam" of size 6;	
(b) "Today is my computer science exam, hope it will go easy and I will	
get good marks" to be displayed in bold;	
1 release of the webpage to be in green.	
(c) the background colour of the webpage to be at g	
(a) Write the names of member netions, which are accessible from	
AR W a . 1 C 11 a torme IANV IIIEF a	
and ar hazil sib liver the second of a molloful waviletimes	
(a) Relation	
(a) Relation (b) Attribute accessible accessible (d) (c) Attribute accessible (d)	
(b) Attribute	
(c) Update command of the benefit at sometiment to say that we have	
1000 100	
(d) MySQL  Orthocher bierarchical inheritance Display the structure of DCL (e) DCL (e) DCL (e) (e) (for the structure of the	
meanience by taking an example of the similarity of	
(e) DCL Innati Educations	
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38. Answer the questions from (a) to (d) based on the below given code (assume all header files are included):

```
class Employee {
                 int EmpID;
                 char EmpName[30];
                 float Salary;
             protected:
                 void CalculateBonus();
             public:
                Employee();
                void EnterDetails();
                void ShowDetails();
             };
             class Department {
                long DeptID;
                              define the following terms (any two) :
                char DeptName[30];
             protected:
               char Manager[30];
             public:
                Department();
                void EnterDeptDetails();
                void ShowDeptDetails();
                                                     (d) Members
             };
             class Project : public Employee, private Department {
                long ProjectID;
                                      36. Write an HTML code to create
                char ProjectName[50];
                 char StartDate[10], EndDate[10];
             public:
Hiv I bus vene og Project(); od make som to trougmos vin si vebol" (d)
                void StartProject(); system of astrona boos 193
                void ShowProjectDetails();
             (a) the background colour of the webpage to be in arze;
```

- (a) Write the names of member functions, which are accessible from objects of class Project.
- (b) Write the names of all the data members, which are used in the StartProject() function of class Project.
- (c) Write the names of all the members, which are accessible from objects
- (d) Which type of inheritance is illustrated in the above C++ code?

Define hierarchical inheritance Display the structure of hierarchical inheritance Display the structure Display the structure of hierarchical inheritance Display the structure Display the structure Display the structure of hierarchical inheritance Display the structure Display the Display the Display the Displa

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Or.

Write a C++ program that accepts two numbers (X, Y) from the user and passes to a function, the function will perform  $\sqrt{X^2 + Y^2}$ , i.e., square root of X \* X + Y \* Y to the main program which will display the output to the user.

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