



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

(Under Government of Kerala)

CEP EXAMINATION-JUNE 2022

Subject: Introduction to Programming

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. A _____ is a set of instructions given to a computer to perform a specific operation.
2. Every statement in a C program ends with _____
3. _____ is an example of a loop statement.
4. The data type _____ is used for a numeric variable declaration.
5. _____ is a pre-processor command that includes standard input output header file to a C program.
6. _____ command prints the output onto the screen.
7. _____ are containers for storing data values.
8. A stack follows _____ in First Out principle.
9. The function which returns the length of a string is _____
10. _____ variable is designed for storing memory address.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What is the basic structure of a C program?
2. What is the purpose of array in a C program?
3. Write short note on break and continue statements in C.
4. What are the two ways to pass parameters to a function?
5. Briefly explain about pointers in C.
6. Give difference between gets and puts function.
7. Write short note on variable declaration with example.
8. What do you know about user defined functions?
9. What is linked list and its type?
10. What is enumerated datatype.

11. What are functional units of a computer?
12. What are the arithmetic operators in C?
13. What are the features of fourth generation computers?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain in detail about flowchart, symbols and types with an example.
2. Explain about while loop and for loop with example.
3. Explain about classification of computers.
4. Write a program to store details of a student (name, class, division, roll no, date of birth, name of parent, contact number) and display in a neat format.
5. Explain in detail about various operators in C.
6. Compare various generations of computer.
7. a) Briefly explain about scanf and printf functions
b) Write string functions and their purpose.



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CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

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CEP EXAMINATION-OCTOBER 2022

Subject: Introduction to Programming

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. The standard input output functions are included in the _____ header file.
2. In C, a string ends with a _____
3. C program is basically a collection of _____
4. _____ is a collection of data items of same type.
5. _____ computers are used for weather forecasting.
6. _____ is an example of arithmetic operator.
7. While loop executes its body only if the condition is _____
8. The _____ keyword is used to declare a variable for storing numbers.
9. _____ function can be used to read values through keyboard.
10. The statement for declaring an array to store 10 numbers can be written as _____

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Write short programming languages.
2. What do you know about one dimensional array?
3. What is the difference between algorithm and flowchart?
4. Compare break and continue statements in C.
5. Write short note on personal computers.
6. How will you write a function named 'sum' that returns the sum of two given numbers?
7. What are identifiers and keywords?
8. Write short note on second generation computers.
9. What is a for loop in C?
10. What are increment and decrement operators in C?

11. Briefly explain about pointers.
12. Define linked list and also list its different types.
13. Write short note on global, local and static variables.

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain in detail about decision making statements.
2. How will you differentiate various generations of computer?
3. Write a program to find the sum of 10 numbers stored in an array.
4. Explain about do while loop with an example.
5. Briefly explain about
 - a) Recursion
 - b) Stack
 - c) printf() and scanf()
 - d) conditional operator
6. Explain about functional units of a computer.
7. Explain about
 - a) data types in C
 - b) file handling functions in C



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CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

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CEP EXAMINATION- FEBRUARY 2023

Subject: Introduction to Programing

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. _____ in C refer to fixed values that do not change during the execution of a program.
2. The statement clrscr(); is used for _____
3. Execution of a C program begins from _____
4. Consider the statements: x=5; y=x++; Then the value of y would be _____
5. A string can be copied using the function _____
6. The _____ statement can be used to branch unconditionally in a program.
7. Data type of numeric variable can be _____
8. When a function calls itself, it is called _____
9. Conditional operator in C is _____
10. float *p; declares p as a _____ to a _____ variable.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Describe the use of functions scanf and printf.
2. Write short note on flowchart symbols.
3. What is the structure of a C program?
4. What are the types of linked lists?
5. What are the features of C programming language?
6. What is a pointer? How is a pointer initialized?
7. Write a program to convert days to months and days.
8. Briefly explain the difference between 'call by value' and 'call by reference'.
9. Distinguish the following
 - a) gets and getchar
 - b) puts and putchar
10. Write syntax of for loop. Also give an example.

11. Briefly explain about single dimensional arrays.
12. Write general form of a switch statement along with an example.
13. What are the arithmetic operators in C?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. What is a variable? Explain about various datatypes in C.
2. Write a program to output following multiplication table.

3*1=3

3*2=6

.....

3*10=30

3. What is if statement? Explain with syntax and example.
4. What are arithmetic and relational operators?
5. Explain about while loop with an example.
6. Write a program to check whether a given character is vowel or consonant.
7. a. What are commonly used string functions?
b. What are user defined functions? How do you declare a function in C?



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CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

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CEP EXAMINATION- FEBRUARY 2023

Subject: Introduction to IT

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. MIS stands for _____
2. _____ is a collection of facts, figures and statistics related to an object.
3. Sequence of operations in the transformation of data is called _____
4. ILWIS stands for _____
5. DNS stands for _____
6. _____ is the study of data objects and their relationships with other data objects.
7. WWW stands for _____
8. The World is an example of _____
9. _____ button used to go back to the previous page opened in this particular browser window.
10. EFT stands for _____

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What is SSL?
2. Briefly explain the types of E Publishing Models.
3. Write the difference between B2B and B2C.
4. Briefly explain XML DOM.
5. What are frames in HTML?
6. What is authentication protocol?
7. Describe the levels of information.
8. Write short note about web server and mail server.
9. Briefly explain about sequential file organization.
10. Briefly explain about Digital Library.

11. What is meant by data warehousing?
12. How email can be made secure?
13. What do you understand by the term URL?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain with example about the categories of Information.
2. Explain JavaScript functions with example.
3. Describe the components multimedia applications.
4. Explain GIS. Explain its features and applications.
5. Explain in detail any ten HTML tags.
6. Explain e-payment and different types of security threats that affects the e-payment system.
7. Explain different forms of if.....else statement used in java script.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

**(Under Government of Kerala)
CEP EXAMINATION-JUNE 2022**

**Subject: Introduction to IT
DCA**

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. EDP stands for _____
2. Expansion of GIS is _____
3. A _____ is a collection of documents in organized electronic form.
4. ROM stands for _____
5. WWW stands for _____
6. K-Meleon is an example for _____
7. HTTP stands for _____
8. Expansion of DNS is _____
9. _____ is the study of data objects and their relationships with other data objects.
10. An _____ file allows both sequential and direct access to data records.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Briefly explain the different security levels for information system.
2. What are the different types of authentication protocols?
3. Write a short note on Electronic Fund Transfer (EFT).
4. What are the different levels of Data Modeling?
5. Briefly explain the four types of relationships in computer terminology.
6. What is data warehouse?
7. What are the differences between information and data?
8. What is a hyperlink in HTML? How will you insert hyperlink to a page?
9. What is data mart?
10. Distinguish between B2B and B2C.

11. What is SSL?
12. What do you understand the terms Encryption and Decryption?
13. What is Digital Signature?

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

1. What is JavaScript? Explain its advantages. Also differentiate between JavaScript and Java.
2. What is an Array? What are the different types of arrays available in PHP?
3. How Multimedia influenced our life? Explain how multimedia is useful in the field of education.
4. What is a Web Server? Explain the types of web servers.
5. What is Batch Processing? What are the disadvantages for Batch Processing?
6. What are the different types of File Organization?
7. Explain e-commerce and security needed for transactions.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

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CEP EXAMINATION-OCTOBER 2022

Subject: Introduction to IT

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. MIS stands for _____
2. _____ integrates hardware, software, data capturing, managing, analyzing and displaying all forms of geographically referenced information.
3. _____ move and store mail over private network across the internet.
4. _____ tag is used to set text size, type and colour.
5. _____ is an indexed list of things called elements or group of related variables.
6. The _____ operator is used to put two string values together.
7. _____ loop is used to loop through arrays.
8. SGML stands for _____
9. SSL stands for _____
10. Kerberos is an authentication protocol. True or false _____

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Write a short note on entity.
2. Brief the elements of EDP.
3. Write a short note on web page.
4. Briefly explain about proxy server and its advantages.
5. Explain briefly about TABLE tag in HTML.
6. Briefly explain different types of arrays used in PHP.
7. Write a short note on operator used in PHP.
8. What are the goals of XML.
9. Distinguish B2B and B2C.
10. Briefly explain about sHTTP and its advantages.

11. Write a short note on encryption and decryption.
12. Brief the XML naming rules.
13. Brief the concept of virtual reality.

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain about information. What are the categories of information?
2. Explain various types of file organization.
3. What is web browser? Explain its features.
4. What is JavaScript? Explain JavaScript conditional statements and loops.
5. What are the different error handling mechanism in PHP?
6. What is eCommerce? Explain the advantages of ecommerce.
7. Explain the following
 - a) online publishing service
 - b) Secure electronic transaction
 - c) digital envelope



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CEP EXAMINATION- FEBRUARY 2023

Subject: PC Software

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. _____ computers can be used for forecasting weather.
2. A cell in a worksheet is defined as _____
3. _____ help to repeat content on top of every page in a document.
4. _____ view shows how the document will look if printed.
5. _____ is the short cut key for underline text.
6. Cell address of the very first cell in a worksheet is _____
7. The _____ manages all of the software and hardware on the computer.
8. A _____ is a single page of a presentation.
9. _____ and _____ are two types of software.
10. Web Cameras are examples of _____ devices.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What are the various types of keys on a computer keyboard?
2. Write short note on personal computers.
3. Briefly explain about text formatting using word processor.
4. What are the differences between RAM and ROM?
5. Write short note on filtering data.
6. What are the commands shown under Font group?
7. Write short note on present generation of computers.
8. Define operating system. List types of operating systems.
9. What are the options listed for Change Case?
10. What are the benefits of using Pivot tables?
11. Write steps for inserting and deleting a slide.
12. What do you know about transitions in PowerPoint?
13. Write short note on desktop icons.

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain about
 - a) types of software
 - b) types of computers
2. Explain about various functions in MS Excel.
3. Write the steps for mail merging letters.
4. Explain about
 - a) Text Alignments
 - b) Clipboard commands
 - c) Page layouts
 - d) Creating a numbered list
5. a) How will you add animation to different parts of a slide?
 - b) What are the components of a PowerPoint window?
6. Explain in detail about input output devices.
7. Explain in detail about secondary storage devices.



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Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. Processed data is called _____
2. _____ manages computer resources.
3. A bit can be either 1 or _____
4. Desktop background is also known as _____
5. The function used to calculate the average of the numbers in a given cell range is _____
6. A _____ represents a page in a presentation.
7. Two types of primary memory are _____ and _____
8. _____ is the text that appears at the top of each page of a document.
9. Every cell has a unique _____
10. _____ and _____ are the two types of page orientations.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What do you know about themes in MS PowerPoint?
2. What are the various cell alignments in MS Excel?
3. What are icons? Give example.
4. Differentiate system and application software.
5. How printers are differing from scanners?
6. What are the features of Windows operating system?
7. Compare 2nd and 4th generation computers.
8. How do you insert a table in a document? How additional rows and columns are inserted?
9. Write short note on text formatting. How page borders are applied?
10. Write short note on data filtering in MS Excel.
11. How do you add animation to a presentation?
12. Write steps to insert a picture in a slide.
13. How can you print a document? What are the options available in the dialog box?

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

1. What is the use of Mail Merge feature in MS Word? Write down steps for mail merging.
2. Explain about charts and its advantages. How do you create a chart?
3. Explain about various types of computers.
4. Explain in detail about various types of functions in MS excel.
5. Explain about various input devices.
6. What are the components of MS PowerPoint Window? Write steps to create a presentation.
7. Explain about computer memory and its types.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

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CEP EXAMINATION-OCTOBER 2022

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CCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. _____ invents first commercial calculator.
2. First generation computers used _____
3. India's first super computer is _____
4. _____ is the most popular point and draw device.
5. LCD stands for _____
6. _____ protects computer from voltage changes.
7. Permanent storage of data is in _____
8. Windows is an _____
9. Open Office Calc is a _____ application.
10. _____ is a powerful presentation program.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Briefly explain about types of Computers.
2. Expand the following
 - a) ENIAC b) CRT c) OMR d) ALU
3. Describe about Inkjet and Laser printer.
4. Write a short note on UPS.
5. Write a short note on Cache Memory.
6. Differentiate RAM and ROM.
7. Write the structure of Operating System.
8. Write a note on Mac Operating System.
9. What is a Clipboard block?
10. What is Water mark?

11. Write steps to create a Macro in MS Word.
12. What are the advantages of Electronic Spread Sheets?
13. What is Cell and Cell address?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain Generation of Computers.
2. Explain Input/ Output devices and Peripherals.
3. What is an Operating System? Explain its Functions.
4. Explain the following
 - a) Superscript and Subscript
 - b) Header and Footer
 - c) Bullets and Numbering
 - d) Thumbnail and Macro
5. Explain a Spreadsheet. Write its application areas.
6. Explain various functions in Excel.
7. Explain the following
 - a) Different view modes of a Presentation
 - b) Clip Art
 - c) Notepad
 - d) Internet browsing



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

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CEP EXAMINATION- FEBRUARY 2023

Subject: RDBMS

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. A _____ is an organized collection of logically related data.
2. Data is represented in the form of _____
3. In ACID property 'D' stands for _____
4. Projection is _____ operation in relational algebra.
5. In RDBMS, R refers to _____
6. An attribute in a relation of a database that serves as the primary key of another relation in the same database is called a _____
7. Number of attributes in a relation is called _____ of the relation.
8. Over representation of a database is known as _____
9. DML stands for _____
10. 'AS' clause in SQL used for _____ operation.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What is database? Mention the advantages of DBMS.
2. Describe the three levels of data abstraction.
3. Write a short note on cardinality.
4. Briefly explain the components used in ER diagram.
5. Write SQL statement to create table student with rollno, name, age, class and totalmark.
6. Briefly explain about distributed system.
7. What is functional Dependency?
8. What is the difference between a DELETE command and TRUNCATE command?
9. Briefly explain the following relationships with examples
 - a) One to one
 - b) Many to many
10. Describe various types of file organizations.

11. Describe about the different types of keys.
12. How many aggregate functions are available in SQL? List them.
13. Write the basic structure of SQL.

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain various data models in detail.
2. What is meant by ACID properties in DBMS? Describe with examples.
3. What are the set operators in SQL? Describe with examples.
4. What you meant by Normalization? Explain different types of Normal Forms.
5. What do you mean by join in SQL? What are the types of joins? Explain each with examples.
6. Explain about DDL and DML commands in SQL with Examples.
7. What do you mean by deadlock? Explain its detection and prevention.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY
(Under Government of Kerala)
CEP EXAMINATION-JUNE 2022
Subject: RDBMS
DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. RDBMS stands for _____
2. DML stands for _____
3. A row in the database table is called _____
4. The _____ statement is used to delete an index in a table.
5. _____ is a virtual table.
6. In PL/SQL , PL stands for _____
7. _____ is a computer language for defining data structures.
8. An _____ is a property of an entity that differentiates it from other entities.
9. SQL means _____
10. _____ SQL statement is used to modify the records in a Table.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What is Data Independence? What are the two types of Data Independence?
2. What is a Trigger?
3. What is meant by Shadow process?
4. Write the statement used to left join two tables named Aaa and Bbb?
5. Briefly explain Client Server.
6. Briefly explain parallel system and distributed system.
7. What are Data Blocks?
8. What is a Data Dictionary?
9. What is SGA ?
10. Write the statement to create table with at least four field ?

11. Briefly explain primary key and foreign key with examples.
12. What do you mean by query?
13. Briefly explain the difference between commit and rollback.

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

1. What is Normalization? What are the different Normal Forms?
2. What are the advantages of DBMS?
3. Explain about ACID property.
4. What do you mean by file organization? Explain its different types.
5. What do you mean by aggregate function? Explain in detail with suitable example.
6. Explain in detail about the fundamental operations of relational algebra?
7. What do you mean by Exception? Write different kinds of exceptions in PL/SQL?



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

(Under Government of Kerala)

CEP EXAMINATION-OCTOBER 2022

Subject: RDBMS

DCA

Register No.

Time: 3 Hours

Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. Full form of RDBMS _____
2. In terms of database, DML stands for data making language, true or false _____
3. Column of a table in a database table is called _____
4. In _____ NF remove columns that are not dependent upon the primary key.
5. In _____ computing, all processors have access to a shared memory.
6. The degree of a relation is defined as the number of _____ in the relation schema.
7. The dependency rules specified by the database designer are known as _____
8. The _____ clause is used to list the attributes desired in the result of a query.
9. Multiple conditions in the where clause are separated by the "and" keyword, true or false _____
10. Student (ID, name, dept name, mark), In this query _____ attribute is considered as primary key.

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Briefly explain the concept of data.
2. Write a short note on DDL.
3. What is the difference between physical data independence and logical data independence?
4. Briefly explain about entity with examples.
5. Write a short note on relational algebra.
6. Briefly explain about ER-Model.
7. Brief the concept of integrity constraints.
8. Write a short note on database trigger.
9. Brief about DML commands in SQL with examples.
10. Briefly explain the basic structure of SQL.

11. What do you mean by commit and rollback.
12. Write a short note on file organization.
13. Briefly explain about the different sections PL/SQL block.

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

1. Explain the functions and characteristics of DBMS.
2. What do you mean by keys? Explain different types with examples.
3. What is normalisation? Explain its advantages. Explain about 1NF, 2NF and 3NF.
4. Explain in detail about database system architecture.
5. Explain the following
 - a) ACID properties.
 - b) Referential integrity
6. Explain in detail about Deadlock and its Prevention.
7. Explain different types join in SQL with example.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

(Under Government of Kerala)

CEP EXAMINATION- OCTOBER 2023

Subject: RDBMS

DCA

Register No.

Time: 3 Hours

Maximum Marks: 100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. DML stands for _____
2. Selection is _____ operation in relational algebra.
3. A row in a relation is known as _____
4. _____ keyword is used to eliminate duplicate values from a tuple.
5. _____ is example for single valued attribute.
6. TCL means _____
7. In ACID property 'I' stands for _____
8. Overall design of database is known as _____
9. Column of a table in database table is called _____
10. SQL stands for _____

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. What do you mean by data independence?
2. Write a short note on view in a database.
3. Briefly explain database schema.
4. Briefly explain about database keys.
5. What are the advantages of DBMS?
6. Discuss about ACID property.
7. Briefly explain the different aggregate functions.
8. Write a short note on transactions in databases.
9. What is a database trigger?
10. Write a short note on cardinality.
11. Write a short note on data redundancy.
12. What is a stored procedure?
13. Write a short note on SQL.

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

1. Explain in detail about ER diagram and its components with the help of an example.
2. What are the different types of join operation with example.
3. Explain in detail about deadlock, its detection and prevention.
4. Explain the fundamental operations in relational algebra.
5. What you meant by Normalization? Explain different types of Normal Forms.
6. Explain different types of database models with suitable diagrams.
7. Create table as "student" with following details "Roll No", "Name", "Class", "Grade" and insert four values. Also perform the following operations.
 - a) Alter the table by adding a column "Division"
 - b) Alter the table by modifying the column "Name"
 - c) Delete the third row from table
 - d) Drop the table



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

(Under Government of Kerala)

CEP EXAMINATION- OCTOBER 2023

**Subject: PC Software
DCA**

Register No. 835072

Time: 3 Hours
Maximum Marks: 100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. Hard disk is an example for _____ memory.
2. 1MB= _____ KB.
3. OMR stand for _____
4. Short cut key used for Undo command is _____
5. Scanner is an example for _____
6. _____ act as an interface between the user and the computer.
7. A PowerPoint presentation contains one or more _____
8. Default text alignment is _____
9. The intersection of a row and a column is called _____
10. Fifth generation computers are based on _____

II. Explain briefly. Answer any TEN questions.

(10 x 4 = 40)

1. Briefly explain about Personal Computers.
2. Write short note on text formatting.
3. What is Windows operating system?
4. What are the various cell alignments in MS Excel?
5. How will you insert a table in a document?
6. Differentiate Work book and Work sheet.
7. Briefly explain about data filtering in MS Excel.
8. Write short note on Keyboard and Mouse.
9. What are macros?
10. What are the different views available in MS PowerPoint?
11. List Clipboard commands. Write use of each command and its shortcut key.
12. What are the components of a window?
13. What are the types of cell references in MS Excel?

III. Answer any FIVE questions. Explain in detail.

(5 × 10 = 50)

- ✓ 1. Explain about types of computers.
- ✓ 2. Define operating system. What are its functions?
3. Explain about Mail Merge in MS Word.
- ✓ 4. Compare the features of various generations of computers.
5. What is the importance of computer memory? Explain various types.
6. Explain about creating a MS PowerPoint presentation with animation and slide transition.
- ✓ 7. a) Explain about components of MS Excel window.
b) List types of charts in MS Excel and steps for creating a chart.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY

(Under Government of Kerala)

CEP EXAMINATION- OCTOBER 2023

Subject: Introduction to IT

DCA

Register No.

Time: 3 Hours

Maximum Marks: 100

I. Fill in the blanks. Answer ALL questions.

(10 x 1 = 10)

1. MIS stands for _____
2. Opera is an example of a _____
3. _____ is known as a server sided language.
4. The code line in PHP must end with a _____
5. `||` is a _____ operator.
6. _____ denotes that the frames should appear in columns.
7. Variables defined inside a function are called _____
8. _____ tag is used to set text size, font type and color.
9. `<p>` tag is used to create a _____
10. Google is an example of a _____

II. Explain briefly. Answer any TEN questions.

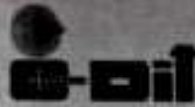
(10 x 4 = 40)

1. Distinguish Data and Information.
2. Define Entity.
3. Briefly explain about Data Modeling.
4. What you meant by Virtual Reality?
5. Define WWW.
6. Define Variables? Briefly explain the naming rules for variables in PHP.
7. Define Status Bar.
8. Distinguish get method and post method.
9. What are the different XML goals?
10. Write a short note on Electronic Auctions.
11. Define Multimedia.
12. Briefly explain about Frames.
13. What is SSL?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Describe about Java Script Loop. How Java script can be used in different ways in HTML file?
2. Explain about types of Web Servers.
3. Explain the features of PHP with examples.
4. Explain about Credit and debit card payments and processing.
5. Explain how to create a Web page.
6. Explain the following
 - a) Apache Web Server
 - b) Batch Processing
7. Distinguish between B2B and B2C networks with examples.



CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY
(Under Government of Kerala)
CEP EXAMINATION- OCTOBER 2023
Subject: Introduction to Programming
DCA

Register No.

Time: 3 Hours
Maximum Marks: 100

I. Fill in the blanks. Answer ALL questions.

(10 × 1 = 10)

1. _____ is an operator to perform addition in C.
2. printf() is used for _____
3. Execution of a C program begins from _____
4. Return type _____ indicates that the function will not return any value.
5. While loop executes its body, only when the condition is _____
6. _____ is a pictorial representation of an algorithm.
7. The _____ keyword is used to declare a variable for storing numbers.
8. In C, array index starts from _____
9. ++ is called _____ operator.
10. _____ header file contains standard input output functions.

II. Explain briefly. Answer any TEN questions.

(10 × 4 = 40)

1. Write short note on programming languages.
2. Briefly explain about types of computers.
3. Write a program to find the sum of two given numbers.
4. What are the various symbols used in a flowchart?
5. Differentiate while and do while statements.
6. How algorithm help in programming?
7. Briefly explain about any four file management functions in C.
8. What are the string functions in C?
9. What is a for loop in C?
10. What are linked lists?
11. Write short note on Pointers.
12. Write syntax of switch statement.
13. What are the features of fourth generation computers?

III. Answer any FIVE questions. Explain in detail.

(5 x 10 = 50)

1. Explain about arrays. Write a program to store 5 numbers in an array.
2. Explain about datatypes in C.
3. What are the functional units of a computer?
4. Write a program to check whether a given number is odd or even.
5. Explain about while loop with an example.
6. Write syntax of if else statement, its usage and an example.
7. Explain about user defined functions and arguments.
