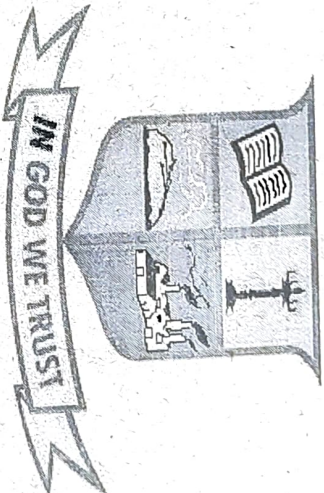


G.T.N. ARTS COLLEGE (Autonomous)

Dindigul

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DEPARTMENT OF INFORMATION TECHNOLOGY

EXTERNAL QUESTION PAPER

2019 –2020

Reg. No:

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- 18. What is web browser? Explain with examples.
- 19. How to link a text with image and pictures? Design a webpage using link tags
- 20. Create a table with product details using HTML tags.



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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc., IT
Course Code: 17UITC11
Course Title : Fundamentals of IT and HTML Max Marks : 75

SECTION - A [10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

- 1. _____ is the only language that computer's CPU directly understands
[a] PHP [b] High level
[c] Machine code [d] Java
- 2. _____ is a set of finite elements that interconnects different elements of computer systems
[a] Nodes [b] Junctions
[c] Mesh [d] Star fish
- 3. Which of the following is not a point and draw device?
[a] Keypad [b] Track ball
[c] Touch Screen [d] Mouse
- 4. Which of the following is type of image Scanner?
[a] Flat-held [b] Hand led
[c] Flat bed [d] Compact

5. A program in execution is called _____
- [a] Process [b] Instruction
[c] Procedure [d] Function
6. When referring to instruction words, a mnemonic is _____
- [a] a short abbreviation for the operand address
[b] a short abbreviation for the operation to be performed
[c] a short abbreviation for the data word stored at the operand address
[d] shorthand for machine language
7. Which is used to store information usually relevant to browsers and search engines?
- [a] Cookies [b] Meta Tags
[c] Tabs [d] Head
8. What tags tells the browser where the page starts & stops?
- [a] <body> [b] <head>
[c] <HTML> [d] <p>
9. Which is the most important tool for adding colors to certain areas of the page rather than the entire background?
- [a] Tables [b] Fonts
[c] Images [d] Forms
10. Which attributes is used to specify number of rows?
- [a] Rownum [b] m
[c] Rownumb [d] Rowspan

SECTION - B [5 X 7 = 35]
Answer ALL the Questions.

11. a) Explain the classification of computers.
[OR]
b) What are Registers? And discuss about its types.
12. a) Describe the following i) Super Disk ii) MO Disk iii) Jaz Disk
[OR]
b) Discuss about various cameras and its functions with diagram.
13. a) Describe the network architecture and its features.
[OR]
b) Discuss the evolution of internet.
14. a) Explain the lists and its types.
[OR]
b) Discuss about different sections for designing a web page.
15. a) Create employee registration webpage using HTML form objects.
[OR]
b) Explain the encrypt attributes and write down its code

SECTION - C [3 X 10 = 30]
Answer Any THREE Questions.

16. Explain the various generations of computer.
17. Describe the scanners and its types with neat diagram.

14. a) Explain the factors affecting exterior retail store layout.

[OR]

b) Explain the importance of store layout.

15. a) Describe the elements in retailing strategy.

[OR]

b) Explain the various approaches used for developing a sustainable competitive advantage.

SECTION - C

Answer Any THREE Questions.

[3 X 10 = 30]

16. Describe various types of retailers.

17. Explain the different modes of entry for a retailer.

18. Describe the dimensions for market segmentation.

19. Discuss the different types of retail stores.

20. Explain the factors responsible for building strong relationship with customers and suppliers.

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.A./B.Sc./B.C.A.

Course Code: 17UBAN11

Course Title : Basics of Retail Marketing

Date : 12.11.2019

Time: 10.00am-1.00pm

Max Marks : 75

SECTION - A

[10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

1. _____ marketing is the application of marketing functions in distribution of goods and services.

[a] Rural

[b] Retail

[c] Consumer

[d] Social

2. Retail is selling in _____ desired quantity to the people.

[a] Small

[b] Large

[c] Optimum

[d] Excess

3. _____ provides a snap of the competitive environment.

[a] Market size

[b] Legal environment

[c] Industry structure analysis

[d] Private label

4. The _____ the rate of growth and the weaker the competition, the industry is more attractive.

- [a] Higher
- [b] Lower
- [c] Weaker
- [d] Power

5. _____ helps the retailer to customize the product and tailor its promotional campaigns.

- [a] Division
- [b] Segmentation
- [c] Promotion
- [d] Potential

6. Market segmentation is dividing total market into _____ groups based on the common characteristics.

- [a] Small
- [b] Optimum
- [c] Large
- [d] Big

7. A _____ is the strategic use of space to influence the customer experience.

- [a] Retail store layout
- [b] Store design
- [c] Store display
- [d] Retail store lighting

8. A _____ layout is commonly used in supermarkets.

- [a] Race track
- [b] Loop
- [c] Grid
- [d] Mixed

9. Retail _____ involves choice of target market and differential advantage.

- [a] targeting
- [b] branding
- [c] labelling
- [d] positioning

10. Retailing strategy outlines the mission and vision of a _____ organization.

- [a] retail
- [b] planning
- [c] available
- [d] flexible

SECTION – B [5 X 7 = 35]
Answer ALL the Questions.

11. a) Explain the retailing management decision process.

[OR]

b) Explain the retail marketing in Indian scenario.

12. a) Describe the socio cultural variables present in the retail environment.

[OR]

b) Explain the environmental issues in retail marketing environment.

13. a) Explain the limitations of market segmentation.

[OR]

b) Explain the importance market segmentation.

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc.(I.T.)
Course Code: 17UITC21
Course Title : Programming in C

Date : 13.11.2019
Time: 2.00 pm to 5.00 pm.
Max Marks : 75

SECTION - A

[10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

- Floating point numbers are defined in c by the keyword _____
[a] int [b] float
[c] double [d] char
- _____ constant is sequence of characters enclosed in double quotes.
[a] integer [b] double
[c] string [d] long
- An arithmetic expression without parentheses will be evaluated form _____ using the rules of precedence of operator.
[a] right to left [b] left to right
[c] center [d] right
- Reading a single character can be done by using the function _____
[a] putchar [b] getchar
[c] char [d] string

5. Every element in an array should end with _____.
- [a] \n [b] \d
[c] \t [d] \o
6. printf may be replaced by _____ function.
- [a] putch() [b] putw()
[c] puts() [d] print()
7. Which operator is connect structure _____ name to its member name.
- [a] :: [b] .
[c] -> [d] >>
8. _____ is a collection of different data type.
- [a] union [b] pointer
[c] array [d] struct
9. A pointer variable cannot be _____ by a constant.
- [a] add [b] multiply
[c] operated [d] subtraction
10. For accessing a structure element using a pointer we must use _____.
- [a] & [b] .
[c] -> [d] *

SECTION - B [5 X 7 = 35]
Answer ALL the Questions.

11. a) Explain keywords and identifiers in C.
[OR]
- b) Write short note on bitwise operators and size of operators in c.

12. a) Write a program to find a factorial of a number using for statement.
[OR]
- b) Write a program to find the sum of 'n' numbers using while statement.
13. a) Explain how to read and write a string?
[OR]
- b) List out and explain any five string handling functions.
14. a) What is recursion? Explain with suitable example.
[OR]
- b) Explain about union in C.
15. a) How pointers are used in character strings? Explain.
[OR]
- b) Discuss file operations in c.

SECTION - C [3 X 10 = 30]
Answer Any THREE Questions.

16. Explain about C Tokens, constants, variables and data types in detail.
17. Discuss various types of if statement in C.
18. Write a program to multiply two matrices using two dimensional array.
19. What is structure? How to define a structure? Give example
20. Write a program to swap two numbers using pointers.

15. a) Write short notes on : (i) SIDCO, (ii) DIC.

[OR]

b) Explain about the format of a project report.

SECTION - C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Describe the role of entrepreneurs.
17. Discuss about the technology based products and demand based product.
18. Discuss about the various sources of business idea.
19. Enumerate the various analyses used to appraise a project.
20. What are the factors to be considered while writing a report?

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.A./B.Sc./B.C.A

Course Code: 17UBAN21

Course Title : Entrepreneurial Development

Date : 12.11.2019
Time: 2.00pm-5.00pm
Max Marks : 75

SECTION - A

[10 X 1 = 10]

**Answer ALL the Questions.
Choose the Correct Answer.**

1. The entrepreneur who starts an industrial unit by means of an innovative skill is called _____.
[a] Pure entrepreneur [b] Innovative entrepreneur
[c] Modern entrepreneur [d] New generation entrepreneur
2. Entrepreneurs who resist change are called as _____ entrepreneurs.
[a] Adoptive [b] Fabian
[c] Drone [d] Imitative
3. _____ is the vehicle through which the entrepreneur delivers benefits to the customer.
[a] Price [b] Product
[c] Market [d] Profit

--1--

4. Rexona, Lux, Lifebuoy, Pears, Closeup Surf etc are the products introduced by _____
- [a] TATA [b] WIPRO
[c] HCL [d] Hindustan lever Ltd
5. The purpose of branding is _____.
- [a] To identify the product [b] To create demand
[c] To create need [d] To decrease cost
6. A segment is a group of consumers with _____.
- [a] Different nature [b] Homogeneity
[c] Both (a) & (b) [d] All of these
7. Main components of brand equity are _____.
- [a] Brand loyalty [b] Brand awareness
[c] Perceived quality [d] All of the above
8. The project appraisal is generally done by _____.
- [a] Firm [b] Financial institution
[c] Industrial organisation [d] Companies
- Management of the DIC is performed by _____
- [a] State GOVT [b] Central GOVT
[c] Central & State GOVT [d] All the above

10. SIDCO means _____

- [a] Small Investors Development Corporation
[b] Small Industries Development Corporation
[c] Small Importers Development Corporation
[d] Sakthi Industries Development Corporation

SECTION - B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) Describe the qualities of an entrepreneur. [OR] 11. a) Describe the qualities of an entrepreneur. [OR]
- b) Discuss about the types of entrepreneurs. [OR] b) Discuss about the types of entrepreneurs. [OR]
12. a) Define the term Product and explains its types. [OR] 12. a) Define the term Product and explains its types. [OR]
- b) Enumerate the characteristics of product. [OR] b) Enumerate the characteristics of product. [OR]
13. a) Discuss the importance of infrastructural facilities while selecting a product. [OR] 13. a) Discuss the importance of infrastructural facilities while selecting a product. [OR]
- b) What are the criterion for product selection? [OR] b) What are the criterion for product selection? [OR]
14. a) Write a short note on: (i) Financial Analysis, (ii) Technical analysis. [OR] 14. a) Write a short note on: (i) Financial Analysis, (ii) Technical analysis. [OR]
- b) Explain about the market analysis of a project. [OR] b) Explain about the market analysis of a project. [OR]

15. a) Define the following :

- i) Opening files using open()
- ii) Detecting end-of-file

[OR]

- a) Explain: i) class templates with multiple parameters
 - i) overloading of template functions
 - iii) non-type template arguments

SECTION - C [3 X 10 = 30]

Answer Any THREE Questions.

- 16. Discuss the basic concepts of object-oriented programming
- 17. Explain with example
 - a) Constructors and its properties
 - b) Destructors
- 18. Describe any three forms of inheritance in C++ with example for each
- 19. Discuss the special usage of pointer in C++
- 20. Explain how the function templates can be used to create a swap() and sort() functions with examples?

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc., Information Technology Date : 14.11.2019
Course Code: 17UITC31 Time: 2.00 pm. to 5.00 pm.
Course Title : Object Oriented
Programming with C++ Max Marks :75

SECTION - A [10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

- 1. _____ is the process by which objects of one class acquire properties of objects of another class.
 - [a] Polymorphism
 - [b] data hiding
 - [c] inheritance
 - [d] dynamic binding
- 2. _____ refers to the names of variables, functions, arrays, classes etc. created by the programmer
 - [a] identifiers
 - [b] keywords
 - [c] tokens
 - [d] strings
- 3. It is also possible to define and use a class inside a function, such class is called a _____
 - [a] local loops
 - [b] class members
 - [c] private class
 - [d] public class

4. In C++ member function that destroys the objects when they are no longer required is called _____
- [a] destructor [b] constructor overloading
[c] constructor [d] default constructor
5. To convert class type to a basic type, it quietly calls the _____ function to the job
- [a] operator overloading [b] casting operator
[c] source class [d] friend function
6. A class can contain objects of other classes is known as _____
- [a] base class [b] child class
[c] derived class [d] nesting
7. A _____ is a derived data type that refers to another data variable by storing the variable's memory address rather than data.
- [a] pointer [b] polymorphism
[c] place holder [d] pure virtual function
8. In C++, hierarchy of stream classes used for input and output operations are declared in the header file is known as _____
- [a] ios [b] istream
[c] iostream [d] ostream
9. _____ enable us to define generic classes and functions and thus provides support for generic programming.
- [a] swapping [b] overloading
[c] templates [d] instantiation

--2--

10. A _____ function template that will exchanging values for another a given type of data
- [a] display() [b] \$wap()
[c] main() [d] sort()
- SECTION – B** [5 X 7 = 35]
- Answer ALL the Questions.**
11. a) List out the advantages of OOP [OR]
- b) What is function overloading? Explain.
12. a) What is class? How to define a class? [OR]
- b) What is parameterized constructors? Explain with example.
13. a) Explain the following: i) String manipulation using operators
ii) Over loading unary operators [OR]
- b) What are the uses of constructors in derived class? Explain syntax with example.
14. a) What are the basic rules in virtual functions that satisfy the compiler requirements? [OR]
- b) Briefly explain the put() and get() functions with example.

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19. Explain about quick sort with example.
20. Explain briefly about breadth first search and depth first search.



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END SEMESTER EXAMINATION - NOV 2019

Programme : B.Sc, Information Technology Date : 16.11.2019
 Course Code : 17UITC32 Time : 2.00 pm to 5.00 pm
 Course Title : Data Structures Max Marks : 75

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SECTION - A [10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

- An _____ is a finite number of steps to be followed to solve a problem.
 - [a] Data structure
 - [b] Data type
 - [c] Algorithm
 - [d] Problem solving
- _____ notation is used for large values of N.
 - [a] Big 0
 - [b] Big Ω
 - [c] Big Θ
 - [d] Big OH
- _____ can be made to point to the first free location where an element can be added.
 - [a] Push
 - [b] Top
 - [c] Pop
 - [d] Create
- _____ are done at the rear end of the queue.
 - [a] Creation
 - [b] List
 - [c] Deletion
 - [d] Insertion

5. The operands of the expression from the _____ of the tree.

- [a] Leaf
- [b] Interior
- [c] Root
- [d] Node

6. BFS stands for _____.

- [a] Breadth For Search
- [b] Break First Search
- [c] Breadth First Search
- [d] Breadth For Search

7. _____ sort is simple sort procedure which sorts two halves of the input.

- [a] Merge
- [b] Quick
- [c] Heap
- [d] Radix

8. The complexity of Radix sort is _____.

- [a] $O(n^2)$
- [b] $O(N \log N)$
- [c] $O(\log N)$
- [d] $O(mn)$

9. A _____ in a graph is path that starts and ends at the same vertex.

- [a] Cycle
- [b] Acyclic
- [c] Connected
- [d] Simple

10. The adjacency matrix of _____ graphs are symmetric

- [a] Directed
- [b] Disconnected
- [c] Undirected
- [d] Simple

SECTION – B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) Write the categories of problem solving.

[OR]

b) Describe the types of Linked List.

--2--

12. a) Convert the following infix expression in to postfix form

- i) $A+(B*C-(D/E-F)*G)*H$
- ii) $A+B*C/(D-C)$

[OR]

b) Explain any one application of stack.

13. a) Write about the properties of a BST.

[OR]

b) Discuss about the representation of binary trees.

14. a) Sort the following numbers using bubble sort.

10 51 2 18 4 31 13 5 23 64 29

[OR]

b) Write the selection sort algorithm.

15. a) Describe any one algorithm for constructing minimum spanning tree.

[OR]

b) What is Graph? How to represent a graph using adjacency matrix

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Write the algorithm for the following

- i) Count the number of nodes in CLL.
- ii) Print the values stored in CLL.
- iii) Insert EndCLL.

17. What is queue? List out and explain the operations of the queue.

18. Describe the searching element in BST briefly.

--3--

15. a) Explain the function of general register organization with neat diagram
IORI

b) Demonstrate reverse Polish Notation in stack with example

SECTION - C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Do the following number conversion for the given number 54.69₁₀

i) Decimal to Binary ii) Decimal to Hexa

iii) Decimal to octal iv) Decimal to Exccen-3 ->12₁₀

∴ 17. Explain the working method of Half & Full adder with neat diagram.

18. Describe the function of mux and Dmux with a diagram

19. Discuss and explain control-memory and address sequencing in micro programmed control.

20. i) Write note on peripheral Devices involved in Input/output organization

ii) Differentiate CLSC and RISC

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B. Sc (IT)

Course Code : 17UITA31

Course Title : Digital Principles
& Computer organization

Max Marks : 75

Date : 19.11.2019

Time: 2.00 pm. to 5.00 pm.

SECTION - A

[10 X 1 = 10]

∴ Answer ALL the Questions. ∴

Choose the Correct Answer.

1. Decimal 43 in hexadecimal & BCD number system is respective

[a] B2 and 01000011

[b] 2B and 01000011

[c] 2B and 00110100

[d] B2 and 01001010

2. Which of the following is the most widely used alphanumeric code for computer input and output?

[a] Gray

[b] ASCII

[c] Parity

[d] EBCDIC

3. A full adder can be made out of _____

[a] two half address

[b] two half address & OR gate

[c] two half address & NOT gate

[d] three half address

4. Which of the following expressions is in the sum-of-products(SOP) form

[a] (A+B) (C+D)

[b] (A)B(CD)

[c] AB(CD)

[d] AB+CD

--1--

5. BCD input 1000 is fed to a seven segment display through a BCD to 7 segment decoder/driver. The segment which will lit up one _____

- [a] a,b,d
- [b] a,b,c
- [c] all
- [d] a,b,g,c,d

6. Which device has one input and many outputs?

- [a] multiplexer
- [b] demultiplexer
- [c] counter
- [d] flip-flop

7. Sequence control register is also known as _____

- [a] Program counter
- [b] Instruction counter
- [c] Sequence Register
- [d] Controlling Register

8. _____ computer component is the fastest one.

- [a] RAM
- [b] Cache
- [c] Register
- [d] Hard disk

9. CPU consist of following parts.

- [a] CU & main memory
- [b] CU and ALU
- [c] main memory and storage
- [d] OS and application.

10. The _____ register containing a stack number whose value is equal to the word that is currently on the top of the stack.

- [a] Program counter
- [b] Register
- [c] Stack pointer
- [d] Memory

SECTION - B [5 X 7 = 35]

Answer ALL the Questions.

11. a) Write short note on Basic gates

[OR]

b) Convert the given Hexa in to binary, octal and decimal : AB.5H

12. a) Simplify $f(a,b,c) = \bar{A}\bar{B}\bar{C} + \bar{A}BC + A\bar{B}\bar{C} + ABC$ using laws & theorems and draw the simplified logic circuit.

[OR]

b) Solve the given function using K-map

$$f(A,B,C) = \sum m(0,4,7) + d(1,2,5)$$

13. a) Illustrate the function of BCD to decimal decoder with neat diagram.

[OR]

b) Write short note on.

i) EX-OR gate and its function ii) Encoders

14. a) Describe about computer register for the basic computer

[OR]

b) Show how microprogram sequencer is working with neat diagram

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc.(I.T.)	Date : 15.11.2019
Course Code: 17UITC41	Time: 2.00 pm to 5.00 pm.
Course Title : Relational Database Management Concepts	Max Marks : 75

SECTION – A [10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

1. A description of data in term of a model is called a-----

[a] Accuracy	[b] Schema
[c] Memory	[d] DBMS
2. Dependents is an example of a ----- entity set

[a] WEAK	[b] Strong
[c] Foreign	[d] Primary
3. The tuple are also called -----

[a] Entity	[b] Records
[c] Column	[d] Domain
4. TRC stands for -----

[a] Table Relational Calculus	[b] Tuple Relational Calculus
[c] Tuple Record calculus	[d] Tuple Relational Constrains

5. A-----is a query that another query embedded within it
 [a] Algebra [b] Nested Query
 [c] Difference [d] Set
6. A-----is a procedure that is automatically invoked by the DBMS
 [a] Trigger [b] Key
 [c] Index [d] View
7. Some information is stored repeatedly is called as -----
 [a] Update Anomalies [b] Redundant Storage
 [c] Insertion Anomalies [d] Deletion Anomalies
8. A join dependency is a further generalization of -----
 [a] ABCD [b] FD
 [c] MVDs [d] BCD
9. A ----- is a list of action from s set of transactions
 [a] Transactions [b] Recovery
 [c] Schedule [d] Timing
10. The ----- command right to access all columns of the table
 [a] Select [b] Delete
 [c] Insert [d] References
11. a) What is a data model? Explain.
 [OR]
- b) Explain the relationships and relationship sets.

SECTION - B [5 X 7 = 35]
Answer ALL the Questions.

--2--

12. a) What is a view? How do views support logical data independence?
 [OR]
- b) Describe the Tuple relation Calculus.
13. a) How does SQL build on and extend relational algebra and calculus?
 [OR]
- b) Explain the Function dependencies.
- 14.a) Explain the Function in PL/SQL
 [OR]
- b) What is trigger? How to implement the trigger in PL/SQL?
15. a) What is an authorization graph? Explain SQL GRANT and REVOKE handle terms of their effect on this graph.
 [OR]
- b) What are the main security considerations in designing a database application?

SECTION - C [3 X 10 = 30]
Answer Any THREE Questions.

16. Describe the addition features of ER-MODEL.
17. Explain the Relational Algebra with examples.
18. Define the constraints explain the types of constraints.
19. What is package? How to modify the packages? With examples.
20. Describe about security for internet application.

--3--

18. How does resource allocation operate under Dijkstra's Bankers Algorithm?
Explain it with an example.

19. Briefly explain about variable- partition Multiprogramming.

20. How are directories used to organize and locate files in a file system?

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc.(I.T.)

Course Code: 17UITC42

Course Title : Operating System Concepts Max Marks :75

Date :20.11.2019

Time: 2.00 pm to 5.00 pm.

SECTION - A

[10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

1. The software that contains the core components of the operating system is called _____.
[a] program [b] memory
[c] kernel [d] instruction
2. The system call is subsequently handled by a _____.
[a] device driver [b] thread
[c] process [d] program
3. When a thread is accessing shared modifiable data, it is said to be in a _____.
[a] critical section [b] memory
[c] deadlock [d] process
4. Application that reads and processes data from a shared object _____.
[a] process [b] producer
[c] consumer [d] thread

5. Deadlock _____ makes deadlock impossible but results in lower resource utilization.
- [a] avoidance [b] detection
[c] prevention [d] occurrence
6. Amount of time that a process is allowed to run on a processor before the process is preempted is called _____.
- [a] throughput [b] complexity
[c] time slice [d] priority
7. A technique for reducing external fragmentation is called _____.
- [a] coalescing [b] burping the memory
[c] fragmentation [d] memory compaction
8. _____ determines how available memory space is allocated to processes.
- [a] memory manager [b] interrupt
[c] scheduler [d] processor
9. _____ is a collection of data treated as a unit by software.
- [a] logical record [b] physical record
[c] super block [d] blocked record
10. _____ is a unit of information actually read or writes to disk.
- [a] File control block [b] Super block
[c] Memory block [d] Physical block

SECTION - B [5 X 7 = 35]
Answer ALL the Questions.

11. a) Explain the operating system goals. [OR] b) Write short notes on process states and state transitions.
12. a) Discuss on Mutual Exclusion with semaphores. [OR] b) What are the uses of Monitors?
13. a) Explain the various purposes of Resource Allocation Graph. [OR] b) Illustrate Round-Robin Scheduling Algorithm in detail.
14. a) Discuss on overlay structure with a neat diagram. [OR] b) Explain Least-Recently-Used (LRU) Page Replacement in Virtual memory management.
15. a) Write notes on shortest-Seek-Time-First (SSTF) Disk Scheduling. [OR] b) What are the various file organization schemes implemented in a file system?

SECTION - C [3 X 10 = 30]
Answer Any THREE Questions.

16. Illustrate the concept of Interprocess Communication.
17. Explain in detail about Simple Resource Allocation with Monitors.

18. Explain WAN protocols.
19. Describe the importance of transport protocols.
20. Discuss the Client-Server Model.



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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc., IT
 Course Code: 17UITC51
 Course Title : Data Communication & Computer Networks
 Date : 13.11.2019
 Time: 10.00 am to 1.00 pm
 Max Marks : 75

Reg. No:

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SECTION - A [10 X 1 = 10]

Answer ALL the Questions.
 Choose the Correct Answer.

1. The TCP/IP Protocol suite is made of _____ layers

[a] Three	[b] Five
[c] Six	[d] Four

2. Electromagnetic waves having frequencies between _____ are called microwaves.

[a] 1 and 300 GHZ	[b] 1 and 30 GHZ
[c] 1 and 3000 GHZ	[d] 1 and 3 GHZ

3. HDLC bit-oriented protocol published by _____

[a] ISO	[b] LSO
[c] OSO	[d] LOS

4. _____ is more powerful than X-modem.

[a] BLAKE	[b] BLAST
[c] BALTE	[d] BALTS

5. _____ divides the channels in to distinct time slots.
 [a] SMA [b] FDMA
 [c] TDMA [d] Circuit switching
6. _____ uses an Ethernet-Style connection Algorithm to provide access to all traffic..
 [a] DCF [b] DFC
 [c] FDC [d] CFD.
7. Each TCP Connection has exactly _____ end points
 [a] 3 [b] 2
 [c] 1 [d] 4
8. The _____ layer in TCP/IP always operates with the IP.
 [a] Transport [b] Data link
 [c] Physical [d] All the above
9. SMTP can only transmit _____ ASCII character.
 [a] 8 bit [b] 4 bit
 [c] 7 bit [d] 6 bit
10. _____ protocol plays a central role in fault Management
 [a] SNMP [b] SMNP
 [c] STMP [d] SMTP

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SECTION – B [5 X 7 = 35]
Answer ALL the Questions.

11. a) Explain briefly about Twisted pair. [OR]
 b) Write short notes on Microwaves.
12. a) Explain types of redundancy check in error detection. [OR]
 b) Explain the important tasks of installing a LAN.
13. a) Discuss LAN operating systems and protocols. [OR]
 b) Explain wireless application protocol services.
14. a) What is Datagram? Explain. [OR]
 b) Discuss the services offered by TCP and its importance.
15. a) What is the purpose of the Domain Name System? Explain. [OR]
 b) Explain TELNET.

SECTION – C [3 X 10 = 30]
Answer Any THREE Questions.

16. Describe various layers of ISO/OSI model.
 17. Discuss LAN and its topology.

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15. Explain the Quality Assurance

[OR]

b) Write a short note on unit testing

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Analyse the planning on organization structure

17. Write a detail notes on i) Staffing-Level Estimation

ii) Estimating Software Maintenance costs

18. Write a detail notes on i) SADT ii)SSA

19. Enumerate the Design Notations

20. Analyse the system testing

Reg. No:

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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc Information Technology

Course Code: 17UITC52

Course Title : Software Engineering

Date : 15.11.2019

Time : 10.00 am to 1.00 pm.

Max Marks : 75

SECTION – A

[10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. Software Consists of _____

[a] Set of instructions + operating procedures

[b] Programs + documentation +operating procedures

[c] Programs + hardware manuals

[d] Set of programs

2. Software is defined as _____

[a] programs

[c] documents

[b] data Structures

[d] tools

3. In software maintenance tackling the changes in the hardware and software environment where the software works, is called _____

[a] Corrective

[c] Adaptive

[b] Perfective

[d] Preventive

4. Which software end factors affecting maintenance cost?
- [a] Structure of Software program
 - [b] Programming language
 - [c] Dependence on external environment
 - [d] All mentioned above
5. Abbreviate the term SRS.
- [a] Software Requirement Specification
 - [b] Software Refining Solution
 - [c] Software Resource Source
 - [d] Software Resource Specification
6. Which of the following property not correspond to a good Software Requirements Specification?
- [a] Verifiable
 - [b] Ambiguous
 - [c] Complete
 - [d] Traceable
7. Data flow diagrams are used for
- [a] Process modelling
 - [b] Modelling interaction in a real time environment
 - [c] Data modelling
 - [d] Execution
8. The Software design paradigm is a part of software development and it includes
- [a] Design, maintenance, programming
 - [b] Coding, Testing, integration
 - [c] Requirement gathering, software design programming
 - [d] Implementation and delivery.

9. Which quality deals with the maintaining the quality of the software product
- [a] Quality assurance
 - [b] Quality control
 - [c] Quality Efficiency
 - [d] Quality ability
10. Which is the layered technology in bedrock that supports Software Engineering
- [a] Methods
 - [b] Tools
 - [c] Process
 - [d] Quality Focus

SECTION - B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) How programmers spend their time in some size factors?
[OR]
- b) Explain the Developing a solution strategy
12. a) Describe the level of technology in software cost factors
[OR]
- b) Write short note on Delphic Cost Estimation.
13. a) Explain the Algebraic Axioms with examples
[OR]
- b) Write a short note on RSL/REVS
14. a) Write a short notes on i) Modularity ii) Concurrency
[OR]
- b) Describe the test plans in software design.

Reg. No:

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SECTION - C

[3 X 10 = 30]

Answer Any **THREE** Questions.

16. State and explain any five features of java.
17. With an example explain multilevel and single Inheritance.
18. List out the commonly used Event Listener Interface and explain in detail any 3.
19. Explain the following methods of applet class:
i) drawRect() ii) drawPolygon()
iii) drawArc() iv) drawRoundRect()
20. Explain datagram sockets and datagram packets in detail.



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END SEMESTER EXAMINATION - NOVEMBER 2019

Programme : B.Sc., IT
Course Code : 17UITC53
Course Title : Java Programming

Date : 18.11.2019
Time : 10.00 am. to 1.00 pm.
Max Marks : 75

SECTION - A

[10 X 1 = 10]

Answer **ALL** the Questions.

Choose the **Correct** Answer.

1. The general format to access the class member is _____
[a] Class_name.member_name [b] object_name.member_name
[c] member_name.class_name [d] member_name.object_name
2. Subclasses of throwable class _____
[a] Exception & Error [b] try & catch
[c] Finally & throw [d] Arraystore & class cast
3. A class that does the inheriting is called _____
[a] sub class [b] super class
[c] Main class [d] inherited class
4. To create an instance of string with no characters in it is _____
[a] String S=new String (Char S) [b] String S=new String()
[c] String(String S) [d] String (Char Char[])

5. GUI referred as _____
- [a] Graph Used Instance
 - [b] Grid User Interface
 - [c] Graphical User Interface
 - [d] Grid Utility Instance
6. _____ class encapsulates AWT events.
- [a] AWTEvent
 - [b] AWTEvent Multicaster
 - [c] Components
 - [d] Graphics
7. The Sleep () method in Thread might throw _____ exception
- [a] Interrogate
 - [b] Interrupted
 - [c] Runtime
 - [d] Null pointer
8. Which method is used to returns the number of bytes that are now available in the input buffer?
- [a] int available()
 - [b] int skip()
 - [c] int read ()
 - [d]int readln()
9. _____ class is designed to connect to server socket and initiate protocol exchange.
- [a] Socket
 - [b] Datagram Socket
 - [c] Packet
 - [d] Datagram Packet
10. Which method is invoked for each HTTP request?
- [a] run ()
 - [b] init()
 - [c] service ()
 - [d] destroy ()

--2--

SECTION - B
Answer ALL the Questions.

[5 X 7 = 35]

11. a) Explain the java program structure.
[OR]
b) Define Constructors with example.
12. a) Write a JAVA program to implement Method Overriding.
[OR]
- b) Explain Final classes and Finalizer Methods.
13. a) Explain in detail BorderLayout with example.
[OR]
b) Explain in detail FlowLayout with an example.
14. a) Explain any 4 HTML APPLET Tags.
[OR]
b) How Applet Differ from Applications?
15. a) Explain in detail the Generic Servlet class.
[OR]
b) Explain several methods in URL Connection.

--3--

6. Explain about the android application life-cycle and android application class.
17. Discuss about the fragments in building UI.
18. Discuss about the shaders in enhancing your views.
19. Explain about recording a video.
20. Discuss about:
- a) selecting a location provider.
 - b) finding your current location in location based services.

Reg. No.

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END SEMESTER EXAMINATION - APRIL 2020

Programme : B.Sc. IT
Course Code : 17UTT61
Course Title : Android Programming
Date : 18.9.2020
Time : 10.00 am to 1.00 pm.
Max. Marks : 75

SECTION - A [10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. AOSP stands for _____.
- [a] Android Opera Software Project.
 - [b] Android Open Source Project.
 - [c] Android Open Software Project.
 - [d] Android Opera Source Project.
2. Frame-by-frame _____ animations used to display a sequences of drawable images.
- [a] cell
 - [b] layouts
 - [c] pixel
 - [d] inch
3. _____ introduced in android 3.0 are used to encapsulate portions of your UI.
- [a] View
 - [b] View group
 - [c] Fragments
 - [d] Activities

4. _____ are atomic, self-contained view groups that contain multiple child views laid out and connected together.
- [a] Compound Control [b] Layout
[c] View [d] Intents
5. _____ is a transient nonmodal dialog-box mechanism used to display information to users without stealing focus from the active application.
- [a] Toast [b] Action bar
[c] Icon [d] Title text
6. _____ on menu items are visible in the overflow and expanded menus as well as submenu.
- [a] Radio button [b] List box
[c] Check box [d] Dialog box
7. A flip-card style view that display its child views as a _____.
- [a] stack [b] tab
[c] grid view [d] list view
8. EXIF stands for _____.
- [a] Exchangeable Image File Format
[b] Exchange Extensible File Format
[c] Exchange Image File Format.
[d] Exchangeable Extensible File Format
9. _____ is an umbrella term that describe the different technologies you can use to find a devices current location.
- [a] Location based services [b] Maps
[c] Geocoding [d] Geo mapping

10. _____ uses application package name as unique identifiers and will not allow you to upload a duplicate package name.

- [a] Package [b] Google play
[c] Map [d] Applications.

SECTION – B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) List out the android SDK features and android development tools. [OR]
- b) Define android. How to create your first android application? [OR]
12. a) Explain about the layout. [OR]
- b) How to create a compass view with example.
13. a) Explain the creation and menus, usage of action bar, and action items. [OR]
- b) Discuss about creation of dialog and its steps.
14. a) Write a short note on
(i) Preparing audio for playback.
(ii) Preparing video for playback. [OR]
- b) Write about the supported widget view and layouts.
15. a) How to Configuring the emulator to test location based service. [OR]
- b) Write a note on Google play [OR]

14. a) Explain the performance testing process to create a performance test plan with a neat diagram.

[OR]

b) Briefly explain any three methodologies for regression testing with a neat sketch.

15. a) List the various factors contributes to the size estimate and effort estimate of a testing project.

[OR]

b) What is productivity metrics? Explain the various defects of testing available in the productivity metrics with neat diagram.

SECTION - C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Explain the classification of structural testing.
17. Derive any four techniques to do black box testing.
18. Explain the various ways to perform functional system testing.
19. Explain the methodology for performance testing.
20. Explain any seven phases to be tested in test planning.

Reg. No:

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END SEMESTER EXAMINATION - APRIL 2020

Programme : B.Sc. IT
Course Code: 17UITC62
Course Title : Software Testing
Date : 19.09.2020
Time : 10.00 am to 1.00 pm.
Max. Marks : 75

SECTION - A

[10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. _____ is meeting the requirements expected from the software, consistently and predictably.
[a] Quality [b] Quality assurance
[c] Quality control [d] Quantity
2. _____ testing takes in to account the program code, code structure and internal design flow.
[a] Static [b] Black box
[c] White box [d] Structural
3. _____ testing is done to show that the product does not fail when unexpected input is given.
[a] Positive [b] State based
[c] Compatibility [d] Negative

4. _____ is an adhoc testing where people performing different roles in an organization to test the products together at the same time.
- [a] Defect bash [b] Scenario
[c] Integration [d] Top-down integration
5. A testing that requires enormous amount of resource to find out the maximum capability of the system parameters is called _____ testing.
- [a] stress [b] scalability
[c] reliability [d] load
6. _____ are generally part of a contract signed by the customer and product organization.
- [a] Product acceptance [b] Procedure acceptance
[c] Selecting test cases [d] Service level agreements
7. _____ represents the number of requests/business transactions processed by the product in a specified time duration.
- [a] Latency [b] Bench marking
[c] Throughput [d] Capacity planning
8. _____ testing is done to ensure that enhancements or defect fixes made to the software works properly and does not affect the existing functionality.
- [a] Re-testing [b] Regression
[c] Regular regression [d] Final regression

9. In situations where there are multiple test plans, there should be one test plan which covers the activities common for all plans. This is called the _____ plan.
- [a] scope management [b] master test
[c] critical test [d] catastrophic
10. The size estimate gets translated to effort estimate for each of the phases and activities by using available. This initial effort is called _____.
- [a] revised effort [b] effort variance
[c] effort distribution [d] baselined effort

SECTION - B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) What are the phases of software project? Explain. [OR]
- b) What are the multiple methods to achieve static testing by humans?
12. a) Define scenario testing. Explain the methods to evolve scenarios. [OR]
- b) Explain any two integration testing with figure.
13. a) What are the different testing aspects available in the functional testing versus non-functional testing? [OR]
- b) Explain the various test cases can be included for acceptance testing.

18. How would identify actors in use-case model? Demonstrate it for viaNet Bank ATM system.
19. Explain the noun-phrase approach for identifying classes. Give an example.
20. Perform the relationship analysis for ViaNet Bank ATM System.

Reg. No:

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END SEMESTER EXAMINATION – APRIL 2020

Programme : B.Sc. IT
 Course Code : 17UITE61
 Course Title : Introduction to Unified Modeling Language
 Date : 21.09.2020
 Time : 10.00am to 1.00pm
 Max. Marks : 75

SECTION – A [10 X 1 = 10]

Answer ALL the Questions.
 Choose the Correct Answer.

- The _____ is a location where data are stored.
 [a] dictionary [b] data flow
 [c] data store [d] data source
- Which of the following model defines the outside inside of the system's behaviour ?
 [a] Use-case model [b] Domain Object Model
 [c] Analysis Object Model [d] Implementation Model
- A language that uses simple logics for specifying the properties of a system is _____.
 [a] OMT [b] OCT
 [c] OCL [d] OML

4. A state chart diagram is also known as _____ diagram.
- [a] state [b] collaboration
[c] sequence [d] use-case
5. The role that a user plays with respect to the system is called _____.
- [a] attribute [b] actor
[c] relationship [d] model
6. Which of the following is a CASE tool?
- [a] Popkin Object Model [b] Popkin Object Architect
[c] Popkin Object Analysis [d] Popkin Object sequencer
7. The _____ is a process of identifying the classes that play role in achieving the system goals and requirements.
- [a] Class analysis [b] System analysis
[c] Object analysis [d] Software analysis
8. The classes, responsibilities and collaborators cards are _____ index cards.
- [a] 4'' x 6'' [b] 4.5'' x 6''
[c] 4'' x 6.5'' [d] 4.5'' x 6.5''
9. The _____ represents a physical or conceptual connection between two or more objects.
- [a] semantic [b] relationship
[c] model [d] association
10. A part-of relationship is also called _____.
- [a] containmentship [b] partnership
[c] aggregation [d] association

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SECTION - B
Answer ALL the Questions.
[5 X 7 = 35]

11. a) Explain Rumbaugh et al's object modelling technique.
[OR]
- b) Write a note on patterns and its types.
[OR]
12. a) Narrate use-case diagram.
[OR]
- b) Discuss Model Management.
[OR]
13. a) Give the guidelines for developing effective documentation.
[OR]
- b) List out the activities in ViãNet Bank, ATM transaction and identify any five use cases.
[OR]
14. a) Describe common class patterns approach for identifying the classes.
[OR]
- b) Discuss classes, responsibilities and collaborators process. Give an example.
[OR]
15. a) Compare and contrast super-sub class relationship and a part-of relationship.
[OR]
- b) What is class responsibility? Explain with an example.
[OR]
- SECTION - C
Answer Any THREE Questions.
[3 X 10 = 30]
16. Describe the unified approach for system development.
17. Write about any two diagrams used for dynamic modeling.

--3--

4. A state chart diagram is also known as _____ diagram.
- [a] state [b] collaboration
[c] sequence [d] use-case
5. The role that a user plays with respect to the system is called _____.
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SECTION - B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) Explain Rumbaugh et al's object modelling technique. [OR]
- b) Write a note on patterns and its types.
12. a) Narrate use-case diagram. [OR]
- b) Discuss Model Management.
13. a) Give the guidelines for developing effective documentation. [OR]
- b) List out the activities in ViãNet Bank, ATM transaction and identify any five use cases.
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- b) Discuss classes, responsibilities and collaborators process. Give an example.
15. a) Compare and contrast super-sub class relationship and a part-of relationship. [OR]
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SECTION - C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Describe the unified approach for system development.
17. Write about any two diagrams used for dynamic modeling.

--3--

Reg. No:



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END SEMESTER EXAMINATION – APRIL 2020

Programme: B.A/B.Sc./B.Com/B.B.A/B.C.A
Course Code: 17UYEV61
Course Title : Value Education
Date: 16.09.2020
Time: 10 am – 1 pm
Max. Marks : 75

SECTION – A [10 X 1 = 10]

Answer ALL the Questions.
Choose the Correct Answer.

1. Values are _____
[a] guiding principle [b] virtues
[c] ideals [d] all the above
மதிப்பு என்பது _____
[அ] வழிகாட்டு கொள்கைகள் [ஆ] நல்லொழுக்கம்
[ஆ] நல்லொழுக்கம் [ஈ] இவை அனைத்தும்
[இ] கொள்கைகள் [ஊ] இவை அனைத்தும்
2. Understanding feelings and emotions of other people is termed as _____
[a] sympathy [b] empathy
[c] socialization [d] moral
மற்றவர்களின் உணர்வுகளை மற்றும் உணர்ச்சிகளை புரிந்து கொள்வது _____
[அ] இரக்கம் [ஆ] பரிவு
[ஆ] பரிவு [ஈ] பொருளாதாரத்தின் மதிப்பு
[இ] சமூகமயமாக்கல் [ஈ] பொருளாதாரத்தின் மதிப்பு
3. Justice, Liberty, Equality and Fraternity are _____
[a] human values [b] national values
[c] social values [d] economic values
நீதி, சுதந்திரம், சமத்துவம் மற்றும் சகோதரத்துவம் என்பது _____
[அ] மனித இயல்பு [ஆ] தேசத்தின் மதிப்பு
[ஆ] சமூகத்தின் மதிப்பு [ஈ] பொருளாதாரத்தின் மதிப்பு
4. Gender equality is _____
[a] basic human rights [b] constitutional Rights
[c] legal rights [d] all the above

b) Explain: Integrity and commitment.
ஆ) நேர்மை மற்றும் பொறுப்பு ஒப்படைப்பு பற்றி விளக்கி எழுதுக.

15. a) Explain the role of family in value formation.
அ) மதிப்பு உருவாக்குதலில் குடும்பத்தின் பங்கினை விவரி.

b) What is the role of media in spreading values?
ஆ) மதிப்புகளை பரப்புவதில் ஊடகத்தின் பங்கு என்ன?

SECTION – C [3 X 10 = 30]

Answer Any THREE Questions.

16. Discuss the significance of value education.
விழுமியக் கல்வியின் சிறப்பு அம்சங்கள் குறித்து விவாதித்துரைக்க.

17. Explicate the meaning of religion and religious values.
மதங்களும் மற்றும் மத சம்பந்தமான விழுமியங்கள் பற்றி குறிப்பு எழுதுக.

18. What do you understand by the term secularism? Describe about the different types of secularism.
மதசார்பின்மை பற்றி நீ அறிவது யாது? மதசார்பின்மையின் பல்வேறு வகைகளை பற்றி விவரி.

19. Discuss the various aspects of team spirit and write some components of professional values.
ஓர்மை உணர்வு பற்றிய அம்சங்களை விவாதி மற்றும் ஒரு தொழில் சார்ந்த நதித்துவத்தின் கூறுகள் குறித்து எழுதுக.

20. What are the ways to eradicate corruption?
ஊழலை ஒழிப்பதற்கான வழிகள் என்னென்ன?

பாலியல் சமத்துவம் என்பது _____

- [அ] அடிப்படை மனித உரிமை [ஆ] அரசியலமைப்பு உரிமை
[இ] சட்ட உரிமை [ஈ] இவை அனைத்தும்

5. Which one of the following is not a fundamental right?

- [a] Right to life [b] Right to liberty
[c] Right to property [d] Right to education

இவற்றில் எது அடிப்படை உரிமை இல்லை?

- [அ] வாழ்வுரிமை [ஆ] சுதந்திர உரிமை
[இ] சொத்துரிமை [ஈ] கல்வி உரிமை

6. Constitutional values are _____

- [a] human values [b] social values
[c] national values [d] none of the above

அரசியலமைப்பு மதிப்பு என்பது _____

- [அ] மனித மதிப்பு [ஆ] சமூக மதிப்பு
[இ] தேசத்தின் மதிப்பு [ஈ] இவற்றில் எதுவுமில்லை

7. Which of the following constitutional rights safeguard women and children?

- [a] Right to Freedom [b] Right against Exploitation
[c] Right to Equality [d] Right to Constitutional Remedies

கீழ்க்கண்டவற்றில் எந்த அரசியலமைப்பு உரிமை பெண்களையும் குழந்தைகளையும் பாதுகாக்கிறது.

- [அ] சுதந்திர உரிமை [ஆ] சுரண்டலுக்கு எதிரான உரிமை
[இ] சம உரிமைக்கான உரிமை [ஈ] அரசியலமைப்பு தீர்வுகளுக்கான உரிமை

8. The Common values of all the professions are _____

- [a] acquiring knowledge [b] commitment
[c] sincerity [d] all the above

தொழில் சார்ந்த பொது மதிப்பு என்பது _____

- [அ] அறிவு பெறுவது [ஆ] அர்ப்பணிப்பு
[இ] நேர்மை [ஈ] இவை அனைத்தும்

9. Aesthetic value are related to _____

- [a] values of human behaviour [b] value in art and literature
[c] rules about society [d] ideas of religious

அழகியல் மதிப்பு என்பது எதனுடைய தொடர்பு _____

- [அ] மனித நடத்தையின் மதிப்பு [ஆ] கலை மற்றும் இலக்கியத்தின் மதிப்பு
[இ] சமூகத்தின் மதிப்பு [ஈ] மதகொள்கைகள்

-2-

10. The statement "Value educational for peace, culture and human development from India to the World" was given by _____

- [a] Mahatma Gandhi [b] Swamy Vivekananda
[c] Dr. B.R. Ambedkar [d] Jawaharlal Nehru

"மதிப்பறிவு கல்வியின் மூலம் அமைதி கலாசாரம், மனித வளர்ச்சி போன்றவை இந்தியாவில் இருந்து உலகிற்கு எடுத்து இயம்பியவை" என்ற கூற்று கூறியவர் யார்?

- [அ] மகாத்மா காந்தி [ஆ] சுவாமி விவேகானந்தர்
[இ] Dr. B.R. அம்பேத்கர் [ஈ] ஜவஹர்லால் நேரு

SECTION - B [5 X 7 = 35]
Answer ALL the Questions.

11. a) State the aims of value education.

- அ) விழுமியக்கல்வியின் (மதிப்பறிவு கல்வியின்) நோக்கங்கள் குறித்து எழுதுக.

[OR]

b) What are the classification of values?

- ஆ) விழுமியத்தின் (மதிப்பின்) வகைகள் யாவை?

12. a) Define Karma Yoga. State the importance of Karma Yoga.

- அ) கர்ம யோகம் என்பதை வரையறு. அதனுடைய முக்கியத்துவத்தை எடுத்துரைக்க.

[OR]

b) What are the moral value of Islam?

- ஆ) இஸ்லாமிய நன்னெறி பண்புகள் யாவை?

13. a) What is called "gender justice"?

- அ) பாலியல் சமத்துவம் என்றால் என்ன?

[OR]

b) Mention various causes of social problems.

- ஆ) சமூக சிக்கல்களுக்கான காரணங்கள் கூறுக.

14. a) Define ethics. Why is "accountability" considered very important in any profession?

- அ) அறவியல் என்பது வரையறு. எந்த தொழிலுக்கும் "பதில் சொல்லும் பொறுப்பு" மிகவும் அவசியம் என்று ஏன் கருதப்படுகிறது?

[OR]

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G.T.N. ARTS COLLEGE (AUTONOMOUS)

(Affiliated to Madurai Kamaraj University)
(Accredited by NAAC with 'B' Grade)

END SEMESTER EXAMINATION - APRIL 2020

Programme : B.Sc. (IT) Date : 17.09.2020
Course Code: 17CINF61 Time : 10:00 am to 1:00 pm.
Course Title : Computer Hardware and Software Maintenance Max. Marks: 75

Reg. No:

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SECTION - A

[5 X 2 = 10]

Answer ALL the Questions.

1. Define BIOS.
2. Define hardware.
3. Write any two ways of shutdown the computer.
4. How to uninstall the software?
5. What is meant by "The blue screen of death"?

SECTION B

[5 x 7 = 35]

Answer ALL the Questions

6. a) Explain any 5 types of computers.
[OR]
- b) Write short notes on Software.
7. a) Briefly explain about the basic hardware components.
[OR]
- b) Describe Operating System.

Internal Academic Audit - 2019-2020

verified

① 16/3/20
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②
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③
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8. a) Write short notes on peripheral hardware use and maintenance.
[OR]

b) Briefly explain Virus and Malware prevention and removal.

9. a) Describe partitioning a hard disk.
[OR]

b) Explain how to manage e-waste?

10. a) Distinguish between hardware problems and software problems.
[OR]

b) Discuss about trouble shooting and repairing printers.

SECTION C

[3 x 10 = 30]

Answer Any THREE Questions

11. Describe the booting process of computer.
12. Explain user maintenance in windows.
13. Explain the preventive measures of computer hardware maintenance.
14. How to install an operating system?
15. Describe hardware repair planning and strategy.

Dr. S. S. Srinivasan
18-2-2021