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REGISTRATION NUMBER : XXXXXXXXXX  
EXAM DATE : 28-October-2018  
EXAM NAME : BELTRON PROGRAMMER  
TOTAL MARKS : 100

CANDIDATE NAME XXXXXXXXXX  
EXAM START TIME : 10:00:00  
EXAM DURATION : 02:00 Hrs  
TOTAL NO OF QUESTIONS : 100

**QID : 1** - Which of the following logic expression is incorrect?

**Options:**

- 1)  $1 \oplus 0 = 1$
- 2)  $1 \oplus 1 \oplus 1 = 1$
- 3)  $1 \oplus 1 \oplus 0 = 1$
- 4)  $1 \oplus 1 = 0$

**Correct Answer:**  $1 \oplus 1 \oplus 0 = 1$

**Candidate Answer:**  $1 \oplus 1 \oplus 1 = 1$

**QID : 2** - Which of the following gates are known as universal gates in Boolean algebra?

**Options:**

- 1) NOR, AND
- 2) NAND, NOR
- 3) OR, AND
- 4) NAND, OR

**Correct Answer:** NAND, NOR

**Candidate Answer:** OR, AND

**QID : 3** - Which one of the following is a complete graph?

**Options:**

- 1) Graph contains edges with directions
- 2) In the graph, all its vertices have the same degree
- 3) In the graph, a vertex should have edges with all other vertices
- 4) All options are correct

**Correct Answer:** In the graph, a vertex should have edges with all other vertices

**Candidate Answer:** In the graph, all its vertices have the same degree

**QID : 4** - The 2's complement of this string 01010100 is \_\_\_\_\_.

**Options:**

- 1) 10101100
- 2) 10101010
- 3) 110100
- 4) 10101011

**Correct Answer:** 10101100

**Candidate Answer:** 10101100

**QID : 5** - Which one of the following is the function of a modem?

**Options:**

- 1) Encryption and Decryption
- 2) Converts data to voice
- 3) Serve as a hardware anti-virus
- 4) Convert analog signals to digitals and vice-versa

**Correct Answer:** Convert analog signals to digitals and vice-versa

**Candidate Answer:** Convert analog signals to digitals and vice-versa

**QID : 6** - How many layers are in the TCP/IP model?

**Options:**

- 1) 4 layers
- 2) 5 layers
- 3) 6 layers
- 4) 7 layers

**Correct Answer:** 4 layers

**Candidate Answer:** 4 layers

**QID : 7** - In Computer Network, the term 'RARP' stands for \_\_\_\_\_.

**Options:**

- 1) Reverse Address Resolution Protocol
- 2) Resource Address Resolution Protocol
- 3) Reverse Address Reflexive Protocol
- 4) Reverse Address Routing Protocol

**Correct Answer:** Reverse Address Resolution Protocol

**Candidate Answer:** Reverse Address Routing Protocol

**QID : 8** - Which of the following is not a guided transmission line?

**Options:**

- 1) Twisted pair
- 2) Laser beam
- 3) Coaxial cable
- 4) Optical fibre

**Correct Answer:** Laser beam

**Candidate Answer:** Twisted pair

**QID : 9** - Which of the following are the three phases of communication via circuit switching?

**Options:**

- 1) Circuit establishment, Data compression, Circuit disconnect
- 2) Circuit establishment, Data transfer, Circuit disconnect
- 3) Data transfer, Data compression, Circuit disconnect
- 4) Circuit establishment, Switching, Data transfer

**Correct Answer:** Circuit establishment, Data transfer, Circuit disconnect

**Candidate Answer:** Circuit establishment, Switching, Data transfer

**QID : 10** - In TCP/IP architecture, the port address is of:

**Options:**

- 1) 32 bits
- 2) 64 bits
- 3) 16 bits
- 4) 128 bits

**Correct Answer:** 16 bits

**Candidate Answer:** 32 bits

**QID : 11** -

What will be the output of the given code?

```
#include <stdio.h>
int main()
{
    char s[1000]="string", i;

    for(i = 0; s[i] != '\0'; ++i);

    printf("%d", i);
    return 0;
}
```

**Options:**

- 1) 1000
- 2) 7
- 3) 6
- 4) 5

**Correct Answer:** 6

**Candidate Answer:** 7

**QID : 12 -**

What will be the output for the given code?

```
int main()
{
    int n=526, a = 0;
    while (n != 0)
    {
        a = a * 10;
        a = a + n%10;
        n = n/10;
    }

    printf("%d\n", a);

    return 0;
}
```

**Options:**

- 1) 526
- 2) 625
- 3) 52.6
- 4) 0

**Correct Answer:** 625**Candidate Answer:** 625**QID : 13 -** According to the Standard C specification, what are the respective minimum sizes (in bytes) of the following three data types: short, int and long?**Options:**

- 1) 1, 2, 2
- 2) 1, 2, 4
- 3) 1, 2, 8
- 4) 2, 2, 4

**Correct Answer:** 2, 2, 4**Candidate Answer:** 1, 2, 4**QID : 14 -** char txt [20] = "Hello world!\0";

How many bytes are allocated by the definition above?

**Options:**

- 1) 11
- 2) 12
- 3) 20
- 4) 13

**Correct Answer:** 20**Candidate Answer:** 11

**QID : 15 -**

What will be the output of the given code?

```
#include <stdio.h>

int main ()
{
int n=512, t, s= 0, r;
t = n;
while (t != 0)

{
r = t % 10;
s = s + r;
t = t / 10;
}
printf("%d",s);
return 0;
}
```

**Options:**

- 1) 512
- 2) 215
- 3) 8
- 4) 0

**Correct Answer:** 8**Candidate Answer:** 215**QID : 16 -**

What will be the output for the given code?

```
#include<stdio.h>
#include<math.h>
int main()
{
int n=12, c, k;

for (c = 5; c >= 0; c--)
{
k = n >> c;
if (k & 1)
printf("1");
else
printf("0");
}
printf("\n");
return 0;
}
```

**Options:**

- 1) 14
- 2) 1100
- 3) 21
- 4) 110

**Correct Answer:** 1100**Candidate Answer:** 1100**QID : 17 -** Which one of the following variables names is not valid?

**Options:**

- 1) go\_cart
- 2) go4it
- 3) \_what
- 4) 4reason

**Correct Answer:** 4reason**Candidate Answer:** \_what**QID : 18 -**

What will be the output for the given code?

```
#include <stdio.h>
int fun(int d);
int main()
{
    int d=12;

    printf("%d",fun(d));

    return 0;
}
int fun(int d)
{
    int o= 0, i = 1;

    while (d != 0)
    {
        o += (d % 8) * i;
        d /= 8;
        i *= 10;
    }
    return o;
}
```

**Options:**

- 1) 12
- 2) 14
- 3) 16
- 4) 10

**Correct Answer:** 14**Candidate Answer:** 14**QID : 19 -** What are two predefined FILE pointers in C?**Options:**

- 1) stdout and console
- 2) console and stderr
- 3) stdout and stdin
- 4) stdio and stderr

**Correct Answer:** stdout and stdin**Candidate Answer:** stdio and stderr**QID : 20 -** Which one of the following statements allocates enough space to hold an array of 10 integers that are initialized to 0?**Options:**

- 1) int \*ptr = (int \*) malloc(10, sizeof(int));
- 2) int \*ptr = (int \*) calloc(10, sizeof(int));
- 3) int \*ptr = (int \*) malloc(10\*sizeof(int));
- 4) int \*ptr = (int \*) alloc(10\*sizeof(int));

**Correct Answer:** int \*ptr = (int \*) calloc(10, sizeof(int));**Candidate Answer:** int \*ptr = (int \*) malloc(10, sizeof(int));**QID : 21 -** \_\_\_\_\_ is usually used by assembly language programmers to remember the operations of a machine.**Options:**

- 1) Mnemonics
- 2) Hex code
- 3) ASCII code
- 4) No option is correct

**Correct Answer:** Mnemonics**Candidate Answer:** Mnemonics**QID : 22 -** RISC stands for \_\_\_\_\_.

**Options:**

- 1) Reduced Intergraded Set Computer
- 2) Resource Instruction Set Computer
- 3) Reduced Instruction Set Computer
- 4) Resource Instruction System Computer

**Correct Answer:** Reduced Instruction Set Computer

**Candidate Answer:** Reduced Instruction Set Computer

**QID : 23** - Which one of the following is not considered in a software life cycle model?

**Options:**

- 1) Spiral model
- 2) Prototyping model
- 3) Capability maturity model
- 4) Waterfall model

**Correct Answer:** Capability maturity model

**Candidate Answer:** Capability maturity model

**QID : 24** - Which one of the following step(s) is/are followed by system design?

**Options:**

- 1) Specification of system output
- 2) Development of system flowchart
- 3) Development of program specifications
- 4) All options are correct

**Correct Answer:** All options are correct

**Candidate Answer:** Development of system flowchart

**QID : 25** - Cost-Benefit Analysis is performed during which phase?

**Options:**

- 1) Design phase
- 2) Analysis phase
- 3) Maintenance phase
- 4) Feasibility study phase

**Correct Answer:** Feasibility study phase

**Candidate Answer:** Analysis phase

**QID : 26** - Where are the cookies stored?

**Options:**

- 1) On the server side
- 2) In web.xml
- 3) In HTML
- 4) On the client side

**Correct Answer:** On the client side

**Candidate Answer:** On the client side

**QID : 27** - Which is used to define the content of web pages?

**Options:**

- 1) HTML
- 2) CSS
- 3) Java Script
- 4) No option is correct

**Correct Answer:** HTML

**Candidate Answer:** Java Script

**QID : 28** - What are the main operations of binary sorted tree?

**Options:**

- 1) Insertion of elements
- 2) Deletion of elements
- 3) Lookup
- 4) All options are correct

**Correct Answer:** All options are correct

**Candidate Answer:** All options are correct

**QID : 29** - Which of the following sorting is not suitable for large data sets?

**Options:**

- 1) Heap sort
- 2) Merge sort
- 3) Quick sort
- 4) Bubble sort

**Correct Answer:** Bubble sort

**Candidate Answer:** Bubble sort

**QID : 30** - Which one is a technique to convert a range of key values into a range of indexes of an array?

**Options:**

- 1) Heap
- 2) Radix
- 3) Hashing
- 4) Bucket sort

**Correct Answer:** Hashing

**Candidate Answer:** Radix

**QID : 31** - What is the number of trees in the forest for the given nodes {0, 1}, {0, 2}, {3, 4}?

**Options:**

- 1) 2
- 2) 3
- 3) 4
- 4) None of these

**Correct Answer:** 2

**Candidate Answer:** 2

**QID : 32** - What is the time complexity of insertion in queue?

**Options:**

- 1)  $o(n)$
- 2)  $o(1)$
- 3)  $o(n^2)$
- 4)  $o(2n)$

**Correct Answer:**  $o(1)$

**Candidate Answer:**  $o(n)$

**QID : 33** - Which one of the following in relational algebra is a binary operator?

**Options:**

- 1) Select
- 2) Projection
- 3) Cartesian product
- 4) Rename

**Correct Answer:** Cartesian product

**Candidate Answer:** Select

**QID : 34** - Which of the following key(s) is/are used in tables for Database design?

**Options:**

- 1) Candidate key
- 2) Primary key
- 3) Foreign key
- 4) All options are correct

**Correct Answer:** All options are correct

**Candidate Answer:** All options are correct

**QID : 35** - Fifth normal form is concerned with which dependency relation?

**Options:**

- 1) Join dependency
- 2) Functional dependency
- 3) Multivalued dependency
- 4) Transitive dependency

**Correct Answer:** Join dependency

**Candidate Answer:** Transitive dependency

**QID : 36** - In a relational database, a data structure that organizes the information about a single topic into rows and columns, is called \_\_\_\_\_.

**Options:**

- 1) block
- 2) record
- 3) tuple
- 4) table

**Correct Answer:** table

**Candidate Answer:** block

**QID : 37** - DBMS is comprised of tables that made up of rows called \_\_\_\_\_ and columns called \_\_\_\_\_.

**Options:**

- 1) fields, records
- 2) records, fields
- 3) address, fields
- 4) records, ranges

**Correct Answer:** records, fields

**Candidate Answer:** fields, records

**QID : 38** - Which of the following is not modification of the Database?

**Options:**

- 1) Deletion
- 2) Insertion
- 3) Sorting
- 4) Updating

**Correct Answer:** Sorting

**Candidate Answer:** Sorting

**QID : 39** - Who proposed the relational model?

**Options:**

- 1) Bill Gates
- 2) E. F. Codd
- 3) Herman Hollerith
- 4) Charles Babbage

**Correct Answer:** E. F. Codd

**Candidate Answer:** E. F. Codd

**QID : 40** - The primary key must be \_\_\_\_\_.

**Options:**

- 1) not null
- 2) unique
- 3) Either not null or unique
- 4) Both not null and unique

**Correct Answer:** Both not null and unique

**Candidate Answer:** Both not null and unique

**QID : 41** - Which of the following is another name for weak entity?

**Options:**

- 1) Child
- 2) Owner
- 3) Dominant
- 4) Father

**Correct Answer:** Child

**Candidate Answer:** Child

**QID : 42** - DML in database is provided for \_\_\_\_\_.

**Options:**

- 1) design of logical structure of database
- 2) addition of new structures in the database system
- 3) manipulation and processing of database
- 4) definition of physical structure of database system.

**Correct Answer:** manipulation and processing of database

**Candidate Answer:** manipulation and processing of database

**QID : 43** - Which of the following is not a database object?

**Options:**

- 1) Index
- 2) Sequence
- 3) Cursor
- 4) Trigger

**Correct Answer:** Cursor

**Candidate Answer:** Sequence

**QID : 44** - The following may be regarded as a metadata?

**Options:**

- 1) E-R diagram
- 2) Table
- 3) Data dictionary
- 4) View of a database

**Correct Answer:** Data dictionary

**Candidate Answer:** View of a database

**QID : 45** - Which type of DBMS distributes data processing tasks between the workstation and network server?

**Options:**

- 1) Client server
- 2) Network
- 3) Relational
- 4) Hierarchical

**Correct Answer:** Client server

**Candidate Answer:** Client server

**QID : 46** - Clause which specifies a search condition for a group or an aggregate?



**Options:**

- 1) WHERE clause
- 2) GROUP BY clause
- 3) FROM clause
- 4) HAVING clause

**Correct Answer:** HAVING clause

**Candidate Answer:** WHERE clause

**QID : 47** - For using a specific database which command is used?

**Options:**

- 1) USE
- 2) LIKE
- 3) ORDER BY
- 4) HAVING

**Correct Answer:** USE

**Candidate Answer:** LIKE

**QID : 48** -

What will be the output of the given code?

```
class A
{
    int i;
    int j;
    A()
    {
        i = 1;
        j = 2;
    }
}
class Output
{
    public static void main(String args[])
    {
        A obj1 = new A();
        A obj2 = new A();
        System.out.print(obj1.equals(obj2));
    }
}
```

**Options:**

- 1) TRUE
- 2) FALSE
- 3) 1
- 4) Compilation error

**Correct Answer:** FALSE

**Candidate Answer:** FALSE

**QID : 49 -**

What will be the output of the given code?

```
abstract class A
{
    int i;
    abstract void display();
}
class B extends A
{
    int j;
    void display()
    {
        System.out.println(j);
    }
}
class Abstract_demo
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.j=2;
        obj.display();
    }
}
```

**Options:**

- 1) 0
- 2) 2
- 3) Runtime error
- 4) Compilation error

**Correct Answer:** 2**Candidate Answer:** Compilation error**QID : 50 -** Which of these keywords is not a part of exception handling?**Options:**

- 1) try
- 2) throw
- 3) thrown
- 4) finally

**Correct Answer:** thrown**Candidate Answer:** thrown**QID : 51 -**

What will be the output for the given program?

```
class String_demo
{
    public static void main(String args[])
    {
        char chars[] = {'a', 'b', 'c', 'd'};
        String s = new String(chars,1,3);
        System.out.println(s);
    }
}
```

**Options:**

- 1) abc
- 2) abcd
- 3) bcd
- 4) bd

**Correct Answer:** bcd**Candidate Answer:** bd

**QID : 52 -**

What is the output for the given code?

```
class output
{
    public static void main(String args[])
    {
        String a = "hello i love java";
        System.out.println(a.indexOf('i')+"
+a.indexOf('o') +" "+a.lastIndexOf('i')+"
+a.lastIndexOf('o'));
    }
}
```

**Options:**

- 1) 6 4 6 9
- 2) 5 4 5 9
- 3) 7 8 8 9
- 4) 4 3 6 9

**Correct Answer:** 6 4 6 9

**Candidate Answer:** 7 8 8 9

**QID : 53 -** Which part of code gets executed whether exception is caught or not?

**Options:**

- 1) finally
- 2) try
- 3) catch
- 4) throw

**Correct Answer:** finally

**Candidate Answer:** finally

**QID : 54 -** What is the use of try & catch?

**Options:**

- 1) It allows us to manually handle the exception.
- 2) It allows to fix errors.
- 3) It prevents automatic termination of the program when an exception occurs.
- 4) All options are correct

**Correct Answer:** All options are correct

**Candidate Answer:** All options are correct

**QID : 55 -** Which of these keywords are used for generating an exception manually?

**Options:**

- 1) try
- 2) catch
- 3) throw
- 4) check

**Correct Answer:** throw

**Candidate Answer:** check

**QID : 56 -** Which of these method is used to explicitly set the priority of a thread?

**Options:**

- 1) set()
- 2) make()
- 3) setPriority()
- 4) makePriority()

**Correct Answer:** setPriority()

**Candidate Answer:** setPriority()

**QID : 57 -**

What will be the output for the given code?

```
class output
{
    public static void main(String args[])
    {
        String s1 = "Hello i love java";
        String s2 = new String(s1);
        System.out.println((s1 == s2) + " " +
s1.equals(s2));
    }
}
```

**Options:**

- 1) True true
- 2) True false
- 3) False true
- 4) False false

**Correct Answer:** False true

**Candidate Answer:** True false

**QID : 58 -** Which of these method is used to begin the execution of a thread?

**Options:**

- 1) run()
- 2) start()
- 3) runThread()
- 4) startThread()

**Correct Answer:** start()

**Candidate Answer:** startThread()

**QID : 59 -** Which of these method of Thread class is used to Suspend a thread for a period of time?

**Options:**

- 1) sleep()
- 2) terminate()
- 3) suspend()
- 4) stop()

**Correct Answer:** sleep()

**Candidate Answer:** sleep()

**QID : 60 -** What is multithreaded programming?

**Options:**

- 1) It's a process in which two different processes run simultaneously.
- 2) It's a process in which two or more parts of same process run simultaneously.
- 3) It's a process in which many different process are able to access same information.
- 4) It's a process in which a single process can access information from many sources.

**Correct Answer:** It's a process in which two or more parts of same process run simultaneously.

**Candidate Answer:** It's a process in which many different process are able to access same information.

**QID : 61 -** Thread priority in java is:

**Options:**

- 1) integer
- 2) float
- 3) double
- 4) long

**Correct Answer:** integer

**Candidate Answer:** double

**QID : 62 -** What does AWT stands for?

**Options:**

- 1) All Window Tools
- 2) Abstract Window Tools
- 3) Abstract Window Toolkit
- 4) Abstract Writing Toolkit

**Correct Answer:** Abstract Window Toolkit

**Candidate Answer:** Abstract Window Toolkit

**QID : 63 -** UML stands for \_\_\_\_\_.

**Options:**

- 1) Union Method Language
- 2) Unified Modeling Language
- 3) Unified Method Language
- 4) Union Member Language

**Correct Answer:** Unified Modeling Language

**Candidate Answer:** Unified Modeling Language

**QID : 64** - An object is a/an \_\_\_\_\_ of a class.

**Options:**

- 1) data
- 2) variable
- 3) instance
- 4) method

**Correct Answer:** instance

**Candidate Answer:** instance

**QID : 65** - Which one of the following is not the Software development cycle phase?

**Options:**

- 1) Analysis
- 2) Coding
- 3) Testing
- 4) Abstraction

**Correct Answer:** Abstraction

**Candidate Answer:** Abstraction

**QID : 66** - A 'Context diagram' of data flow diagram is also known as \_\_\_\_\_.

**Options:**

- 1) Level – 1 DFD
- 2) Level – 0 DFD
- 3) Level – 2 DFD
- 4) No option is correct

**Correct Answer:** Level – 0 DFD

**Candidate Answer:** Level – 0 DFD

**QID : 67** - Which coupling is the most worst coupling?

**Options:**

- 1) Data Coupling
- 2) Control Coupling
- 3) Content Coupling
- 4) External Coupling

**Correct Answer:** Content Coupling

**Candidate Answer:** External Coupling

**QID : 68** - Which of the following is/are Black box testing techniques?

**Options:**

- 1) Pair-wise testing
- 2) State based testing
- 3) Both Pair-wise testing and State based testing
- 4) No option is correct

**Correct Answer:** Both Pair-wise testing and State based testing

**Candidate Answer:** State based testing

**QID : 69** - In SDLC, V-Model is known as \_\_\_\_\_.

**Options:**

- 1) Verification and Validation Model
- 2) Value added and Verification Model
- 3) Validation and Value added Model
- 4) Visible and Validation Model

**Correct Answer:** Verification and Validation Model

**Candidate Answer:** Verification and Validation Model

**QID : 70** - Which model is developed by Mc Call?

**Options:**

- 1) Requirement Model
- 2) Design Model
- 3) Quality Model
- 4) Process Improvement Model

**Correct Answer:** Quality Model

**Candidate Answer:** Requirement Model

**QID : 71** - 'Integration & test' phase of 'Bath tub curve' is related to \_\_\_\_\_.

**Options:**

- 1) Hardware reliability
- 2) Software reliability
- 3) Both Hardware reliability and Software reliability
- 4) No option is correct

**Correct Answer:** Software reliability

**Candidate Answer:** Software reliability

**QID : 72** - In estimation techniques, PERT stands for \_\_\_\_\_.

**Options:**

- 1) Program Evaluation and Review Technique
- 2) Project Estimation and Review Technique
- 3) Program Evaluation and Revised Technique
- 4) Project Estimation and Recall Technique

**Correct Answer:** Program Evaluation and Review Technique

**Candidate Answer:** Project Estimation and Review Technique

**QID : 73** - Which is not the software engineering layer?

**Options:**

- 1) Quality focus
- 2) Tools
- 3) Manufacturing
- 4) Methods

**Correct Answer:** Manufacturing

**Candidate Answer:** Manufacturing

**QID : 74** - The main focus of software engineering at developing \_\_\_\_\_.

**Options:**

- 1) cost effective software
- 2) reliable software
- 3) Both cost effective software and reliable software
- 4) No option is correct

**Correct Answer:** Both cost effective software and reliable software

**Candidate Answer:** Both cost effective software and reliable software

**QID : 75** - The term RAD is an acronym for \_\_\_\_\_.

**Options:**

- 1) Rapid Application Development
- 2) Reverse Application Development
- 3) Required Application Development
- 4) Required Authorised Development

**Correct Answer:** Rapid Application Development

**Candidate Answer:** Required Authorised Development

**QID : 76** - Each level in Capability Maturing Model is defined into KPA which is \_\_\_\_\_.

**Options:**

- 1) Key Product Area
- 2) Key Process Area
- 3) Key Parallel Area
- 4) Key Predefine Area

**Correct Answer:** Key Process Area

**Candidate Answer:** Key Process Area

**QID : 77** - Which of the following document is/are needed before the testing starts?

**Options:**

- 1) SRS document
- 2) Test case document
- 3) Test summary document
- 4) All options are correct

**Correct Answer:** SRS document

**Candidate Answer:** All options are correct

**QID : 78** - What are the three generic phase of software engineering?

**Options:**

- 1) What, How, Where
- 2) Programming, Debugging, Maintenance
- 3) Analysis, Design, Testing
- 4) Definition, Development, Support

**Correct Answer:** Definition, Development, Support

**Candidate Answer:** Analysis, Design, Testing

**QID : 79** - MTTF stands for \_\_\_\_\_.

**Options:**

- 1) Maximum Time To Failure
- 2) Mean Time to Failure
- 3) Minimum Time to Failure
- 4) Measured Time To Failure

**Correct Answer:** Mean Time to Failure

**Candidate Answer:** Mean Time to Failure

**QID : 80** - Which is automatically executed by the processor when turning on the computer?

**Options:**

- 1) Relating loader
- 2) Bootstrap loader
- 3) Boot loader
- 4) Compile and Go loader

**Correct Answer:** Bootstrap loader

**Candidate Answer:** Bootstrap loader

**QID : 81** - Which of the following is/are managed by Operating System?

**Options:**

- 1) Disks and I/O devices
- 2) Memory
- 3) Processes
- 4) All options are correct

**Correct Answer:** All options are correct

**Candidate Answer:** All options are correct

**QID : 82** - A process is heavy weight whereas a thread is \_\_\_\_\_.

**Options:**

- 1) shell
- 2) program
- 3) resource intensive
- 4) light weight

**Correct Answer:** light weight

**Candidate Answer:** resource intensive

**QID : 83** - In disk scheduling algorithms, SSTF stands for \_\_\_\_\_.

**Options:**

- 1) Shortest Seek Time First
- 2) Shortest Service Time First
- 3) Sure Seek Time First
- 4) Shortest Seek Turn First

**Correct Answer:** Shortest Seek Time First

**Candidate Answer:** Shortest Seek Time First

**QID : 84** - A memory management scheme 'Paging' is implemented in \_\_\_\_\_.

**Options:**

- 1) Hardware
- 2) Operating System
- 3) Software
- 4) All options are correct

**Correct Answer:** Operating System

**Candidate Answer:** Operating System

**QID : 85** - In Operating System, .BAT extension is used for the \_\_\_\_\_.

**Options:**

- 1) Executable files
- 2) Batch files
- 3) Boot files
- 4) No option is correct

**Correct Answer:** Batch files

**Candidate Answer:** Batch files

**QID : 86** - \_\_\_\_\_ is used by the operating system to manage files on hard drives and other computer system.

**Options:**

- 1) File Application Table
- 2) First Allocation Table
- 3) File Allocation Table
- 4) First Application Table

**Correct Answer:** File Allocation Table

**Candidate Answer:** File Allocation Table

**QID : 87** - A problem where a set of blocked processes each holding a resource and waiting to acquire a resource held by another process in the set?

**Options:**

- 1) Dead lock
- 2) Semaphore
- 3) Belady's anomaly
- 4) No option is correct

**Correct Answer:** Dead lock

**Candidate Answer:** Dead lock

**QID : 88** - Which of the following technique is used to speed up communication with slow devices?

**Options:**

- 1) Segmentation
- 2) Caching
- 3) Fragmentation
- 4) All options are correct

**Correct Answer:** Caching

**Candidate Answer:** Segmentation

**QID : 89** - Which scheduling determines the new processes that are admitted to the system?

**Options:**

- 1) Short term scheduling
- 2) Medium term scheduling
- 3) Long term scheduling
- 4) Only Short term scheduling and Long term scheduling

**Correct Answer:** Long term scheduling

**Candidate Answer:** Short term scheduling

**QID : 90** - Which one of the following is the solution to starvation problem?

**Options:**

- 1) Aging technique
- 2) Paging
- 3) Caching
- 4) No option is correct

**Correct Answer:** Aging technique

**Candidate Answer:** Aging technique

**QID : 91** - What is the waiting time for scheduling?

**Options:**

- 1) Completion time + Arrival time
- 2) Turnaround time - Arrival time
- 3) Turnaround time - Burst time
- 4) Arrival time + Turnaround time

**Correct Answer:** Turnaround time - Burst time

**Candidate Answer:** Turnaround time - Arrival time

**QID : 92** - SCAN algorithms in disk scheduling is also known as \_\_\_\_\_.

**Options:**

- 1) Shortest Seek Time Algorithm
- 2) Elevator Algorithm
- 3) First Come First Serve Algorithm
- 4) No option is correct

**Correct Answer:** Elevator Algorithm

**Candidate Answer:** Shortest Seek Time Algorithm

**QID : 93** - Which of the following strategies cannot used to remove deadlock after its occurrence?

**Options:**

- 1) Kill one or more processes
- 2) Rollback
- 3) Preemption
- 4) Mutual Exclusion

**Correct Answer:** Mutual Exclusion

**Candidate Answer:** Rollback

**QID : 94** - In deadlock, Mutual exclusion problem is solved by:

**Options:**

- 1) Peterson's algorithm
- 2) Elevator algorithm
- 3) Shortest seek time algorithm
- 4) FCFS algorithm

**Correct Answer:** Peterson's algorithm

**Candidate Answer:** Peterson's algorithm

**QID : 95** - Which of the following are commonly found on web page?



**Options:**

- 1) Intranet
- 2) Internet
- 3) Browser
- 4) Hyperlinks

**Correct Answer:** Hyperlinks

**Candidate Answer:** Browser

**QID : 96** - Which of the following is not a component of networking?

**Options:**

- 1) Hub
- 2) Motherboard
- 3) Routers
- 4) Switches

**Correct Answer:** Motherboard

**Candidate Answer:** Motherboard

**QID : 97** - The extension .edu, .nic, .net and .gov are called as \_\_\_\_\_.

**Options:**

- 1) browsers
- 2) IP address
- 3) domain codes
- 4) URL

**Correct Answer:** domain codes

**Candidate Answer:** domain codes

**QID : 98** - GIF stands for \_\_\_\_\_.

**Options:**

- 1) Global Information Format
- 2) Graphics Information Format
- 3) Graphics Interchange File
- 4) Graphics Interchange Format

**Correct Answer:** Graphics Interchange Format

**Candidate Answer:** Graphics Information Format

**QID : 99** - In Computer Graphics, TIFF stands for \_\_\_\_\_.

**Options:**

- 1) Triggered Inter File Format
- 2) Tagged Image File Format
- 3) Tagged Inter File Format
- 4) Triggered Image File Format

**Correct Answer:** Tagged Image File Format

**Candidate Answer:** Triggered Image File Format

**QID : 100** - Animation we create by the help of many online animation tools in the form of \_\_\_\_\_.

**Options:**

- 1) GIF image
- 2) PDF image
- 3) JPEG image
- 4) Audio/Video image

**Correct Answer:** GIF image

**Candidate Answer:** Audio/Video image