

Computer Fundamentals

Select One Option

Time Remaining (minutes): 119:41

- 1 The branch that deals with systematic application of the principles of computer science is_____
 - ☐ computer engineering
 - ☐ software engineering
 - ☐ IT engineering
 - ☐ None of these options

- 2 Which of these keys belong to QWERTY keyboard
 - ☐ Numeric Keypad
 - ☐ Arrow Keys
 - ☐ Alphanumeric Keys
 - ☐ All of these options

- 3 A sub program that performs an action but returns no value
 - ☐ Procedure
 - ☐ Process
 - ☐ Thread
 - ☐ OS

- 4 The input interfaces transforms the data into _____code
 - ☐ hexa

- ☐ binary
- ☐ octal
- ☐ decimal

5 The ENIAC was the first_____

- ☐ Electronic computer
- ☐ Digital computer
- ☐ Fastest computer
- ☐ None of these options

6 All are valid for Asynchronous transmission EXCEPT

- ☐ It does not require local storage
- ☐ Transmission is often start-stop transmission
- ☐ Each block is framed by header and trailer info
- ☐ Suited to many Keyboard type terminal

7 Which of these is an electronic card.

- ☐ Magnetic Strip Card
- ☐ Smart Card
- ☐ ATM Card
- ☐ Punch Card

8 The shortcoming of Mark 1 computer is _____

- ☐ It is very slow
- ☐ Very complex indesign and huge in size
- ☐ Unreliable
- ☐ It is very slow and also very complex indesign and huge in size

9 Different types of user interfaces include

- ☐ System calls
- ☐ Command language
- ☐ Job control language
- ☐ All of these options

10 _____refers to the way in which the nodes of a network are linked together

- ☐ Protocol
- ☐ Topology
- ☐ Routing
- ☐ None of these options

11 A small program which can invade a computer system by attaching itself to a legitimate program then encrypts the system.

- ☐ hacker
- ☐ virus
- ☐ firmware

☐ None of these options

12 Set of commands not supported by tape Controller are

☐ Read

☐ Write

☐ Erase

☐ None of these options

13 The Atanasoff-Berry used _____ for internal logic and _____ for storage

☐ vaccum tube, capacitor

☐ capacitor, vacuum tube

☐ transistor, capacitor

☐ capacitor, transistor

14 The decimal equivalent of 1011 is

☐ 21

☐ 11

☐ 10

☐ 12

15 In the first generation machines, Instructions were written in _____

☐ Machine language

☐ Assembly language

- ☐ Machine language and Assembly language
- ☐ High level language

16 _____ is not a network type

- ☐ DAN
- ☐ WAN
- ☐ LAN
- ☐ MAN

17 Portable computers which are mainly used by people who need computing wherever they go is known as _____

- ☐ LAPTOP
- ☐ PC
- ☐ LAPTOP and PC
- ☐ None of these options

18 _____ system allows data to flow simultaneously in both directions

- ☐ Simplex
- ☐ Full Duplex
- ☐ Half Duplex
- ☐ None of these options

19 _____ is a standard format for distribution and interchange of digital in both computer based and consumer based electronic devices.

- ☐ DVD
- ☐ DMA
- ☐ DRAM
- ☐ Disk Pack

20 The connectivity channel between CPU and Memory is _____

- ☐ BUS
- ☐ Cache Memory
- ☐ Control Unit
- ☐ None of these options

21 The principle task of a command language is:

- ☐ To initiate execution of programs
- ☐ To access the system functions
- ☐ To cause an interrupt
- ☐ None of these options

22 A register is used to store data & instructions and is a part of _____

- ☐ CPU
- ☐ ALU
- ☐ Control Unit

☐ None of these options

23 The configuration of Mainframe system does consist of the following component

☐ Console

☐ Host processor

☐ Storage device

☐ All of these options

24 The output device ideal for Engineers , Architects, .City planners etc to generate high precision ,hard copy graphic output of widely varying size is_____

☐ Printer

☐ SCIS

☐ Plotter

☐ None of these options

Fundamentals of Programming

Select One Option

Time Remaining (minutes):

114:15

25 Machine language has two part format the first part is_____ and the second part is _____

☐ OPCODE,OPERAND

☐ OPERAND,OPCODE

☐ DATA CODE,OPERAND

☐ OPERAND,CODEOP

26 Advantages of using flow charts is

- ☐ Effective Analysis
- ☐ Efficient Coding
- ☐ Time consuming
- ☐ Effective Analysis and Efficient Coding

27 The following statement is valid in context with sub-programming:

- ☐ It is a program written so that it can be used without rewriting.
 - ☐ Also Known as Functions
 - ☐ May be Intrinsic or Programmer Written
 - ☐ All of these options
-

28 Extract symbol represents

- ☐ Process that arranges set of items in sequence
- ☐ Process that separates set of items from a given set of items
- ☐ Process that combines set of items in single set.
- ☐ None of these options

Program errors are known as _____

- ☐ Virus
- ☐ Bugs
- ☐ Errors

☐ All of these options

To cancel the answer given by you first press the 'Reset'

30 The flow lines are represented by the symbol of

☐ Arrows

☐ Oval

☐ Circle

☐ Rectangle

31 _____ is a point at which the debugger stops during program execution and awaits a further command.

☐ Memory Dump

☐ Watch point

☐ Break point

☐ None of these options

32 The method of locating and correcting logic errors is _____

☐ Memory dump

☐ Hand simulation

☐ Memory dump and Hand simulation

☐ Testing

33 The file organization method that can be used with magnetic tape storage is:

☐ Direct

- ☐ Sequential
- ☐ Indexed Sequential
- ☐ None of these options

34 A language which allows instructions to be represented by letters (i.e abbreviation) is _____

- ☐ Machine language
- ☐ Assembly Language
- ☐ Scientific Language
- ☐ Programming language

35 _____ is needed that translates additional statements into a sequence of statements of standard Language before the program can be compiled by a standard language compiler.

- ☐ Subprogram
- ☐ Preprocessor
- ☐ Routine
- ☐ Function

OO Programming Concepts

Select One Option

Time Remaining (minutes):

112:30

- 36 Polymorphism is done by
- ☐ Function overloading

- ☐ Operator overloading
- ☐ Function overloading and Operator overloading
- ☐ None of these options

To cancel the answer

37 Is it possible for a member function of a class to activate another member function of the same class?

- ☐ No.
- ☐ Yes, but only public member functions.
- ☐ Yes, but only private member functions.
- ☐ Yes, both public and private member functions can be activated within another member function.

38 Encapsulation is

- ☐ Information hiding
- ☐ Data Binding
- ☐ Information hiding and Data Binding
- ☐ None of these options

39 In object oriented concept an object is defined as

- ☐ Instance of class
- ☐ Objects are variable of class type
- ☐ Object maps real world entities.
- ☐ All of these options

- 40 Which are the main three features of OOP language?
- ☐ Data Encapsulation, Inheritance & Exception handling
 - ☐ Inheritance, Polymorphism & Exception handling
 - ☐ Data Encapsulation, Inheritance & Polymorphism
 - ☐ Overloading, Inheritance & Polymorphism
- 41 The ability to send a common message to different classes and for each subclass object to respond to the message in a manner appropriate to its own properties is called _____.
- ☐ adaptability
 - ☐ polymorphism
 - ☐ integration
 - ☐ singularity
- 42 Which of the following is true about abstract data type.
- ☐ Object of an abstract class type can't be created.
 - ☐ We can derive classes from these abstract classes
 - ☐ Object of an abstract class type can't be created and We can derive classes from these abstract classes
 - ☐ None of these options
- 43 Object Oriented Technology's use of _____ facilitates the reuse of the code and architecture and its _____ feature provides systems with stability, as a small change in requirements does not require massive changes in the system:
- ☐ Encapsulation; inheritance
 - ☐ Inheritance; polymorphism

- ☐ Inheritance; encapsulation
- ☐ Polymorphism; abstraction

To cancel the answer given by you first press the 'Reset' button and then 'Submit'.

44 Maintaining the state of an object is called_____.

- ☐ Serialization
- ☐ Persistence
- ☐ Marshalling
- ☐ None of these options

45 Method overloading is _____

- ☐ Overloading different member function of a class
- ☐ A feature in which member function with same name and different signature.
- ☐ Overloading without argument passing.
- ☐ None of these options

46 Which of the following are class relationships?

- ☐ is-a relationship.
- ☐ Part-of relationship.
- ☐ Use-a relationship.
- ☐ All of these options.

47 Encapsulation is used to....

- ☐ Make the program run faster
- ☐ Reveal as LITTLE as possible about the inner workings of the interface.
- ☐ Reveal as MUCH as possible about the inner workings of the interface
- ☐ Reveal as MUCH as possible all the outer workings of the interface.

48 Which of the following programming techniques focuses on the data structures?

- ☐ Procedural
- ☐ Functional
- ☐ Object Oriented
- ☐ Algorithmic

49 Class Dog contains two methods pantrate:int and pant:void,
Class barkingdog is a subclass of class Dog and contains method barkfrequency :int and bark:void
Class YodelingDog is a subclass of of Class Dog and contains method yodel:void
Class LhasaApso is a subcalss of class barkingDog contains method guards:void
Class Basenji is a subclass of class YodelingDog and contains method hunts:void
Which common method or behaviour is inherited by class Basenji and class LhasaApso

- ☐ bark
- ☐ yodel
- ☐ guard
- ☐ pant

50 In object orientated programming a class of objects can _____ properties from another class of objects

- ☐ utilize
- ☐ borrow

- ☐ inherit
- ☐ adapt

Programming in C

Select One Option

Time Remaining (minutes):

110:00

51 In C one statement can declare

- ☐ Only one variable
- ☐ Two variable
- ☐ 10 variables
- ☐ any number of variables

52 How can I print a `` character in a printf format string? I tried \%, but it didn't work.

- ☐ Try \%
- ☐ Try %%
- ☐ Try \$%
- ☐ None of these options

53 The format string of printf() function can contain:

- ☐ characters, conversion specifications and escape sequences
- ☐ character, integers and floats
- ☐ strings, integers and escape sequences

☐ inverted commas, percentage sign and backslash character

54 Consider the following statements.
i.Multiplication associates left to right
ii.Division associates left to right
iii.Unary Minus associates right to left
iv.subtraction associates left to right

☐ All are true

☐ only i and ii are true

☐ all are false

☐ only iii and iv are true

55 What is the output of the following program?

```
#include <stdio.h>
void main()
{
    char c=-127;
    unsigned char u=-127;
    printf("\n c=%d u= %d", c, u);
}
```

☐ c= 127 u=127

☐ c=-127 u=127

☐ c=127 u=128

☐ None of these options

56 Which is incorrect variable name

☐ else

☐ name

☐ age

☐ cha_r

57 A character variable can at a time store

- ☐ 1 character
- ☐ 8 characters
- ☐ 254 characters
- ☐ None of these options

58 Which of the following is not a valid identifier?

- ☐ \$name
- ☐ \$__\$
- ☐ y(3)
- ☐ None of these options

59 The code to multiply `int a = 1000, b = 1000;` is

- ☐ `long int c = a * b;`
- ☐ `long int c = (long int)a * b;`
- ☐ `(long int)(a * b);`
- ☐ None of these options

60 In `b = 6.6 / a + (2 * a + (3 * c) / a * d) / (2 / n);` which operation will be performed first?

- ☐ `6.6 / a`
- ☐ `2 * a`
- ☐ `3 * c`
- ☐ `2 / n`

61 What is the value of k after execution of the following program?

```
#include <stdio.h>
void main()
{
    int k = 8;
    (k++-k++);
    printf("\n %d",k);
}
```

☐ k=10

☐ k=0

☐ k=8

☐ k=9

62 The value of the expression $3 \wedge 2 \& \sim 1$ is :

☐ 3

☐ 2

☐ 1

☐ 0

63 In $b = 6.6 / a + (2 * a + (3 * c) / a * d) / (2 / n)$; which operation will be performed first?

☐ $6.6 / a$

☐ $2 * a$

☐ $3 * c$

☐ $2 / n$

64 Read the program carefully.

```
void main()
{
```

```
int index = 3, x=100;
while(index)
printf("%d ",x,index--);
x++;
index --;
}
```

The printf() statement prints :

- ☐ 3 100 2 101 1 102
- ☐ 2 1
- ☐ compilation error
- ☐ 100 100 100

To cancel the answer given by you first press the

65 What is the output of the following program

```
#include <stdio.h>
void main()
{
while (1)
{
if (printf("%d",printf("%d")))
break;
else
continue;
}
}
```

- ☐ Compile time error
- ☐ Goes into an infinite loop
- ☐ Garbage values
- ☐ None of these options

To cancel the answer given by you first press the 'Reset' button and then

66 The statement which prints out the values 1 to 10 on separate lines, is

- ☐ for(count = 1; count <= 10; count = count + 1) printf("%d\n", count);
- ☐ for(count = 1; count < 10; count = count + 1) printf("%d\n", count);
- ☐ for(count = 0; count <= 9; count = count + 1) printf("%d ", count);

☐ for(count = 1; count <> 10; count = count + 1) printf("%d\n", count);

67 The Switch statement is used to

☐ Switch between functions in a program

☐ Switch from one variable to another variable

☐ Choose from multiple possibilities which may arise due to different values of a single variable

☐ Use switching variables

68 The statement which sums all values between 10 and 100 into a variable called total is, assuming that total has NOT been initialized to zero.

☐ for(a = 10; a <= 100; a = a + 1) total = total + a;

☐ for(a = 10; a < 100; a = a + 1, total = 0) total = total + a;

☐ for(a = 10; a <= 100, total = 0; a = a + 1) total = total + a;

☐ for(a = 10, total = 0; a <= 100; a = a + 1) total = total + a;

69 Formal parameters to a function cannot be declared as static because....

☐ Arguments are always passed on the stack to support recursion

☐ Arguments are always passed on the heap

☐ False statement

☐ None of these options

70 Sending a copy of data to a program module is called ____.

☐ Recursion

- ☐ Passing a reference
- ☐ Passing a value
- ☐ None

71 What is the output of the following code?

```
#include<stdio.h>
func(a,b)
int a,b;
{
return (a= (a==b));
}
main()
{
int process(), func();
printf("The value of process is %d", process(func,3,6));
}
process (int (*pf) (), int val1, int val2)
{
return((*pf) (val1,val2));
}
```

- ☐ Error
- ☐ Garbage value
- ☐ The value of process is 0
- ☐ Null Value

72 What is the output of the following code?

```
# include<stdio.h>
# define a 10
main()
{
printf("%d..",a);
foo();
printf("%d",a);
}
void foo()
{
#undef a
#define a 50
}
```

- ☐ 10..10
- ☐ 10..50
- ☐ Error
- ☐ 0

73 If `int arr[3][3][3]` is a three dimensional array of integers, which of the following refers to the `arr[2][3][1]` element in the array?

- ☐ `*(*(arr+2)+3)+1`
- ☐ `*(*(arr+1)+3)+2`
- ☐ `*(arr+2)+3+1`
- ☐ `*(arr+1)+3+2`

74 To delete a dynamically allocated array named `a``, the correct statement is

- ☐ `delete a;`
- ☐ `delete a[0];`
- ☐ `delete []a;`
- ☐ `delete [0]a;`

75 Which of the following statement is false about pointers?

- ☐ The `++` and `--` operators can be used with pointer variables
- ☐ An integer may be added and subtracted from a pointer variable
- ☐ A pointer may be added to another pointer.
- ☐ A pointer may be subtracted from another pointer.

76 `void main()`
 `{`
 `int i=100,j=10,k;`
 `int *p=&j;`
 `k=i/(*p);`
 `printf("%d",k);`
 `}`
 The output of the above code is :

- ☐ 0
- ☐ 10
- ☐ 100
- ☐ None of the above

77 Consider the program segment given below:

```
1. #include<stdio.h>
2. int y;
3. void main()
4. {
5. int x,*px,**ppx;
6. x=10;
7. y=1000;
8. px=&x;
9. ppx=&px;
10. f3(ppx);
11. printf("%d",*px);
12. }
13. f3(int **pp)
14. {
15. *pp = &y;
16. printf("%d",**pp);
17. }
```

The printf() at line 11 prints the value :

- ☐ 10
- ☐ 100
- ☐ 1000
- ☐ 20

78 `#include "stdio.h"`
 `main()`
 `{`
 `int *p1,i=25;`
 `void *p2;`
 `p1=&i;`
 `p2=&i;`
 `p1=p2;`
 `p2=p1;`
 `printf("%d",i);`
 `}`
 The output of the above code is :

- ☐ Program will not compile
- ☐ 25
- ☐ Garbage value
- ☐ Address of I

To cancel the answer given by you first press the

79 An entire structure or union variable can be assigned to another structure or union variable if

- ☐ The two variables have the same composition.
- ☐ The two variables are of same type.
- ☐ Assignment of one structure or union variable to another is not possible.
- ☐ None of these options

80 Stack can be represented using

- ☐ Arrays
- ☐ Arrays or linked list
- ☐ Only linked list
- ☐ None of the above

81 A list of data items usually words or bytes with the accessing restriction that elements can be added or removed at one end of the list, is known as

- ☐ Stack
- ☐ Memory
- ☐ Linked list
- ☐ Heap

82 A list of data items usually words or bytes with the accessing restriction that elements can be added or removed at one end of the list, is known as

- ☐ Stack
- ☐ Memory
- ☐ Linked list
- ☐ Heap

83 When queues are created

- ☐ Are initially empty
- ☐ Are initialized to zero
- ☐ Are considered full
- ☐ None of the above

84 Which is true of priority queue

- ☐ It allows taking out of only oldest item
- ☐ It allows taking out of only latest item

- ☐ It allows taking out of oldest item and also the latest item
- ☐ None of these options

85 A linear list, in which elements can be added or removed at either end but not in the middle, is known as

- ☐ Queue
- ☐ Tree
- ☐ Stack
- ☐ Deque

86 Consider a linked list of n elements. What is the time taken to insert an element pointer ?

- ☐ $O(\log_2 n)$
- ☐ $O(n)$
- ☐ $O(1)$
- ☐ $O(n \log_2 n)$

87 What Is a Binary Heap Priority Queue?

- ☐ binary heap priority queue simply is a priority queue internally using a binary heap to store its items
- ☐ binary heap priority queue simply is a binary tree internally using a binary heap to store its items
- ☐ binary heap priority queue simply is a simple queue internally using a binary tree to store its items
- ☐ All of these options

88 What is the worst case time required to search a given element in a sorted linked list of length n ?

- ☐ $O(\log_2 n)$
- ☐ $O(n)$.
- ☐ $O(1)$.
- ☐ $O(n \log_2 n)$.

89 What kind of list is best to answer questions such as "What is the item at position n ?"

- ☐ Lists implemented with an array.
- ☐ Doubly-linked lists.
- ☐ Singly-linked lists.
- ☐ Doubly-linked or singly-linked lists are equally best

90 What would be the output of the following program?

```
#include <stdio.h>
main()
{
    printf(5+"Fascimile");
}
```

- ☐ Error
- ☐ Fascimile
- ☐ mile
- ☐ None of these options

91 On opening a file for reading which of the following activities are performed:

- ☐ The disk is searched for existence of the file
- ☐ The file is brought into memory

- ☐ A pointer is set up which points to the first character in the file
- ☐ All of these options

92 What is the output of the following code ?

```
#include<stdio.h>
#include<string.h>
void main()
{
    char *xyz;
    xyz = (char *) malloc(100);
    /*Assume that malloc returns non-NULL value*/
    xyz= "C-DAC";
    strcat(xyz, "Exam");
    printf("%s\n",xyz);
    free(xyz);
}
```

- ☐ C-DAC
- ☐ Exam
- ☐ C-DACExam
- ☐ Compile Time Error

To cancel the answer given by you first press the 'Reset' button and

93 What is the output of the following program?

```
#define str(x)#x
#define Xstr(x)str(x)
#define oper multiply
void main()
{
    char *opername=Xstr(oper);
    printf("%s",opername);
}
```

- ☐ opername
- ☐ Xstr
- ☐ multiply
- ☐ Xstr

- 94 Which of following statements are true?
i.The standard input device is stdin
ii.stdin is a predefined stream automatically opened when the program is started.
- ☐ both are true
 - ☐ both are false
 - ☐ i is true and ii is false
 - ☐ ii is true and i is false
- 95 What will happen if you try to put so many values into an array when you initialize it that the size of the array is exceeded?
- ☐ Nothing
 - ☐ Possible system malfunction
 - ☐ Error message from the compiler
 - ☐ Other data may be overwritten
- 96 What will this code fragment do?
char *answer;
printf("Type something:\n");
gets(answer);
printf("You typed \"%s\"", answer);
- ☐ prints the string read in answer
 - ☐ prints "something"
 - ☐ gives compilation error
 - ☐ prints some strange value
- 97 What is the output of the following code?
#include<stdio.h>
void main()
{
int a = 20;
printf("%d",a + `F`);

}

- ☐ Error
- ☐ 20
- ☐ 90
- ☐ garbage value

98 Write a for loop which will read five characters (use scanf) and deposit them into the character based array words, beginning at element 0.

- ☐ for(loop = 0; loop < 5; loop++)scanf(
- ☐ for(loop = 0; loop <= 5; loop++)scanf(
- ☐ for(loop = 0; loop < 4; loop++)scanf(
- ☐ None of these options

99 What is the output of the following program code

```
#include<stdio.h>
void abc(int a[])
{
    a++;
    a[1]=612;
}
main()
{
    char a[5];
    abc(a);
    printf("%d",a[4]);
}
```

- ☐ 100
- ☐ 612
- ☐ Error
- ☐ None of these options

100 What is the output of the following program code

```
#include<stdio.h>
void main()
{
char ***p="Hello";
printf("%c",++*p++);
}
f
H
compilation error
none of the above
```

- ☐ f
- ☐ H
- ☐ compilation error
- ☐ L

English Language Ability

Select One Option

Time Remaining (minutes): 98:01

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

101 ODE : POEM ::

- ☐ character : novel
- ☐ brick: building
- ☐ ballad : song
- ☐ street : intersection

Directions:- Sentence Completion

102 It may be useful to think of character in fiction as a function of two _____ impulses: the impulse to individualize and the impulse to _____.

- ☐ analogous humanize
- ☐ disparate aggrandize
- ☐ divergent typify
- ☐ comparable delineate

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

103 INTIMIDATE : FEAR ::

- ☐ Maintain : satisfaction
- ☐ Astonish : wonder
- ☐ Soothe : concern
- ☐ Lion : tame

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

104 BLUEPRINT : CONSTRUCTION ::

- ☐ itinerary : trip
- ☐ signal : light
- ☐ tenant : premises
- ☐ volume : library

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

105 Imitation : Individuality ::

- ☐ determination : success
- ☐ recklessness : courage
- ☐ vanity : conformity
- ☐ debauchery : morality

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

106 NEGLIGENT : REQUIREMENT ::

- ☐ remiss : duty
- ☐ cogent : argument
- ☐ easy : hard
- ☐ careful : position

To cancel the answer given by you first press the 'Reset' button and then 'Submit'.

Directions:- Choose the best word, which is most opposite in the meaning to the given word.

107 SEDULOUS :

- ☐ rampant
- ☐ esoteric
- ☐ Morose

- ☐ indolent

Directions:- Choose the best word, which is most opposite in the meaning to the given word.

108 FETTER :

- ☐ Delay
- ☐ Stretch
- ☐ Comply
- ☐ Thrive

Directions:- Pick out the best choice which can complete the incomplete stem correctly and meaningfully

109 Although he is reputed for making very candid statements, _____

- ☐ his today`s speech was not fairly audible
- ☐ his promises had always been realistic
- ☐ his speech was very interesting
- ☐ his today`s statements were very ambiguous

Directions:- Sentence Correction

110 They must either choose the plans we proposed or the ones approved by the preceding administration.

- ☐ must either choose the plans we proposed

- ☐ either must choose the plans we proposed
- ☐ must choose either plans we proposed
- ☐ either have to choose the plans we proposed

Directions:- Sentence Correction

111 The young reporter went out on many routine assignments until his ability of grasp essentials was proved

- ☐ Until his ability to grasp essentials was proved
- ☐ Until his ability to grasp essential was proved
- ☐ Until his ability to grasp essential was proven
- ☐ Until he proved his ability to grasp essentials

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

112 TENACITY : WEAK ::

- ☐ apathy : caring
- ☐ pity : strong
- ☐ immorality : wrong
- ☐ frequency : known

Directions:- Sentence Correction

113 If the car would have been moved on time, we would not have received the ticket.

- ☐ If the car would have been moved on time,
- ☐ If the car could have been moved on time,
- ☐ If the car had been moved on time,
- ☐ If the car were moved on time,

Directions:- Choose the best word, which is most opposite in the meaning to the given word.

114 NON SEQUITUR :

- ☐ reasonable
- ☐ Illogical
- ☐ semaphore
- ☐ mundane

To cancel the answer given by you first press the 'Reset' button and

Directions:- The given pair of words contains a specific relationship to each other. Select the best pair of choices which expresses the same relationship as the given.

115 SATURINE : MERCURIAL ::

- ☐ redundant : wordy
- ☐ saturn : venus
- ☐ heavenly : starry
- ☐ wolf : sly

Critical Reasoning

Select One Option

Time Remaining (minutes):

95:11

- 116 The movement to ownership by unions is the latest step in the progression from management ownership. Employee ownership to employee ownership can save depressed and losing companies. All the following statements, if true provide support for the claim above EXCEPT
- ☐ Employee-owned companies generally have higher productive
 - ☐ Employee participation in mangagement raises morale
 - ☐ Employee union owner drives up salaries and wages
 - ☐ Employee union ownership enable worker to share in the profits.
-

- 117 Monopoly is characterized by an absence of or decline in competition. The ABC company realizes that its operations are in competitive industries. Which of the following conclusions may be inferred from the above?
- ☐ ABC`s market is not monopolistic.
 - ☐ Monopoly is defined as one seller in a market.
 - ☐ The ABC company has no domestic competitors
 - ☐ The ABC company is publicly owned

Directions:- In each of the following questions are given some statements followed by conclusions that can be drawn from them choose the conclusion which appeals to you to be the most correct

- 118 A is the sister of D.Dis the brother of B but B is not the brother of A therefore B is a girl
- ☐ False
 - ☐ probbaly true
 - ☐ True

☐ probably false

119 During 1985, advertising expenditures on canned food products increased by 20%, while canned food consumption rose by 25%. Each of the following, if true, could help explain the increase in food consumption except:

- ☐ Advertising effectiveness increased.
- ☐ Canned food prices decreased relative to substitutes.
- ☐ Canned food products are available in more stores.
- ☐ Can opener production doubled.

120 Looking at a potrait, A said "her mother`s only son is my cousin`s father". My cousin is the daughter of my maternal uncle who has an only sister. whose potrait was "A" looking at?

- ☐ A`s Uncle
- ☐ A`s sister
- ☐ A`s grandmohter
- ☐ A`s mother

Directions:- Which of the following can be best inferred from the passage?

121 In winning its bitter,protracted battle to acquire Blue industries, Inc., Bell industries has fulfilled its goal to lessen its reliance on tobacco holdings, while the \$5.2 billion deal may spur more takeover activity in the insurance, analysts said.

- ☐ Blue Industries is in the tobacco industry.
- ☐ Belle Industries is in the insurance business
- ☐ Blue Industries is in the insurance business.
- ☐ More divestment takes place in the tobacco

122 An employment questionnaire asks the prospective employee, "If XYZ company hires you, will you continue to use drug?" The prospective employee may not wish to indicate "yes" or "no" because

1. a simple "yes" or "no" answer could indict the applicant.
2. The question contains an implication to which the applicant may not wish to lend credence.
3. The question presents a moral judgment.

- ☐ 1 only
- ☐ 2 only
- ☐ 1 and 2 only
- ☐ 2 and 3 only

123 In a game, exactly six inverted cups stand side by side in a straight line, and each has exactly one ball hidden under it. The cups are numbered consecutively 1 through 6. Each of the balls is painted a single solid color. The colors of the balls are green, magenta, orange, purple, red, and yellow. The balls have been hidden under the cups in a manner that conforms to the following conditions:

The purple ball must be hidden under a lower-numbered cup than the orange ball.

The red ball must be hidden under a cup immediately adjacent to the cup under which the magenta ball is hidden.

The green ball must be hidden under cup 5.

Which of the following could be the colors of the balls under the cups, in order from 1 through 6?

- ☐ Green, yellow, magenta, red, purple, orange
- ☐ Magenta, green, purple, red, orange, yellow
- ☐ Magenta, red, purple, yellow, green, orange
- ☐ Orange, yellow, red, magenta, green, purple

Directions:- In a group there are five students coded as P Q R S T. Q and R are intelligent in

mathematics and geology. P and R are intelligent in mathematics and hindi. Q and S are intelligent in psychology and buddhist studies.T is intelligent in buddhist studies hindi and psychology

124 whi is intelligent in psychology,hindi and buddhist studies

- ☐ T
- ☐ S
- ☐ Q
- ☐ P

Directions:- In a group there are five students coded as P Q R S T.Q and R are intelligent in mathematics and geology. P and R are intelligent in mathematics and hindi. Q and S are intelligent in psychology and buddhist studies.T is intelligent in buddhist studies hindi and psychology

125 who is intelligent in psychology, geology and buddhist studies

- ☐ Q
- ☐ T
- ☐ R
- ☐ S

Directions:- The following questions are based on the following situations. Asha, Babli, Charn, Deepti, Eira, Farha are cousins. No two cousins are of the same age , but all have birth days on the same date in that year.The youngest is 17 years old and the oldest is Eira is 22.Farha is somewhere between Babli and Deepti in age.Asha is older than Babli. charn is older than Deepti.

126 which of the following must be true if exactly two of the cousins are between charan and farha in age?

- ☐ Asha is between Farha and Deepti in age

- ☐ Babli is younger than Deepti
- ☐ Babli is 17 years old
- ☐ Farha is 18 years old

Directions:- For each of these questions, select the best of the answer choices given.

The local race track is a square with four turns. In order to measure a racer's performance, four timers - Aaron, Bill, Chad, Derek - are positioned around the track as follows :

Each timer is positioned between two turns.

No two timers are between the same two turns.

The starting post is also considered the fourth turn.

Aaron is adjacent to the third turn.

Derek is adjacent to the fourth turn.

Aaron is not adjacent to the fourth turn.

127 The timers can be around the racetrack in which of the following order, beginning after the first turn ?

- ☐ Aaron / Chad / Derek / Bill
- ☐ Chad or Bill / Aaron / Bill or Chad/ Derek
- ☐ Aaron / Derek / Bill / Chad
- ☐ Chad / Bill / Derek /Aaron

To cancel the answer given by you first press the 'Reset' button and then 'Submit'.

Submit

128 In the closing days of the civil War, President Abraham Lincoln was planning to graciously welcome the defeated confederate states back into the Union. After Lincoln was assassinated, however, the "Radical Republicans" in Congress imposed martial law in the

South, creating resentment that caused problems well into this century. Had Lincoln lived, the history of regional conflict in 20th century America would have been considerably different. All of the following assumptions underline the argument above EXCEPT

- ☐ The imposition of martial law in the South was primarily responsible for the resentment felt in the South
- ☐ Had he lived, Lincoln would have treated the defeated South as he had planned
- ☐ Lincoln would have been able to prevent the Radical Republicans in Congress from imposing martial law in the South
- ☐ Factors other than the imposition of martial law in the South affected the history of regional conflicts in 20th century America

129 During 1985, advertising expensing expenditure on canned food products increased by 20 percent, while canned food consumption rose by 25 percent. Each of the following, if true, could help explain the increase in food consumption except

- ☐ Advertising effectiveness increased
- ☐ Canned food price decreased relative to substitutes
- ☐ Canned food products were available in more stores
- ☐ Canned opener production doubled

130 Farmers in the North have observed that heavy frost is usually preceded by a full moon. They are convinced that the full moon somehow generates the frost. Which of the following, if true, would weaken the farmers' conviction?

- ☐ The temperature must fall below 10 degrees Celsius (50 degrees Fahrenheit) for frost to occur.
- ☐ Absence of a cloud cover cools the ground which causes frost.
- ☐ Farmers are superstitious.
- ☐ No one has proven that the moon causes frost.

Directions:- For each of these questions, select the best of the answer choices given.

The local race track is a square with four turns. In order to measure a racer's performance, four timers - Aaron, Bill, Chad, Derek - are positioned around the track as follows :

Each timer is positioned between two turns.

No two timers are between the same two turns.

The starting post is also considered the fourth turn.

Aaron is adjacent to the third turn.

Derek is adjacent to the fourth turn.

Aaron is not adjacent to the fourth turn.

131 If one of the timers nearest Chad is Derek, which of the following cannot be true ?

- ☐ Bill is adjacent to the fourth turn
- ☐ Chad is adjacent to the first turn
- ☐ Chad is adjacent to the fourth turn
- ☐ Derek is adjacent to the first turn

Directions:- In each of the following questions are given some statements followed by conclusions that can be drawn from them choose the conclusion which appeals to you to be the most correct

132 Ravi is the younger than sachin sachin is younger than tarun therefore ravi is the youngest among them

- ☐ True
- ☐ False
- ☐ cannot say
- ☐ probably true

Mathematical Problems

Select One Option

133 If $a/x - b/y = c$ and $xy = 1/c$, then $bx =$

- ☐ $1 - ay$
- ☐ Ay
- ☐ $ay + 1$
- ☐ $ay - 1$



134 On the number line shown, which point corresponds to the number 2.27?

- ☐ I
- ☐ H
- ☐ G
- ☐ F

135 Exactly three years before the year in which Anna was born, the year was $1980 - x$. In terms of x , on Anna's twentieth birthday, the year will be

- ☐ $1977 + x$
- ☐ $1997 + x$
- ☐ $2003 - x$
- ☐ $2003 + x$

- 136 Tickets for a particular concert cost Rs.5 each if purchased in advance and Rs.7 each if bought at the box office on the day of the concert. For this particular concert, 1,200 tickets were sold and the receipts were Rs.6,700. How many tickets were bought at the box office on the day of the concert?
- ☐ 500
- ☐ 350
- ☐ 700
- ☐ 600
- 137 A sum of money amounts to Rs. 826 in 3 years. If the rate of interest be raised by 50 per cent it amounts to Rs. 889 in the same time. Find the sum.
- ☐ 700
- ☐ 650
- ☐ 800
- ☐ 750
- 138 Ashok bought a T.V. with 20% discount on the labeled price. He made a profit of Rs.800 by selling it at Rs. 16800. What was the labeled price?
- ☐ Rs. 18000
- ☐ Rs. 20800
- ☐ Rs. 24000
- ☐ Rs. 20000
- 139 A person makes a journey of 72 kms. He rides a cycle at 12kms/hr. After going a certain distance, the cycle is punctured and he walks the remaining distance at 4 1/2 kms/hr. Find when the cycle is punctured if the total time for the journey is 8 1/2 hrs.
- ☐ 50 kms

- ☐ 52 kms
- ☐ 54 kms
- ☐ 56 kms

140 A tap can fill a cistern in 8 hrs and another can empty it in 16 hrs. If both the taps are open simultaneously, the time (in hrs) to fill the tank is

- ☐ 8
- ☐ 10
- ☐ 16
- ☐ 24

141 A tap can fill a cistern in 8 hrs and another can empty it in 16 hrs. If both the taps are open simultaneously, the time (in hrs) to fill the tank is

- ☐ 8
- ☐ 10
- ☐ 16
- ☐ 24

142 If the ratio of the areas of two circles is 4 : 9, the ratio of their circumferences is

- ☐ 2 : 3
- ☐ 3 : 2
- ☐ 4 : 9
- ☐ 9 : 4

143 $\frac{1}{6}$ of a stick is cut off and then $\frac{1}{4}$ of what remain is cut. If the length of the remaining stick is 2.5 metres the length of the original stick was:

- ☐ 6 mtrs
- ☐ 4 mtrs
- ☐ 3 mtrs
- ☐ 8 mtrs

144 If $m = 121 - 5k$ is divisible by 3, which of the following may be true?

- 1. m is odd
- 2. m is even
- 3. k is divisible by 3

- ☐ 1 only
- ☐ 2 only
- ☐ 2 and 3 only
- ☐ 1 and 2 only

145 If a man travels at 30 km/hr, then he reaches his destination late by 10 minutes, but if he travels at 42 km/hr, then he reaches 10 minutes earlier. Therefore, the distance traveled by him is

- ☐ 36 km
- ☐ 35 km
- ☐ 40 km
- ☐ 45 km

- 146 One wall being made entirely of bricks is 40% built. If we need 1,200 more bricks to complete the wall, how many bricks will the wall have ?
- ☐ 1,500
 - ☐ 1,800
 - ☐ 2,000
 - ☐ 2,400
- 147 Harvey paid \$400 for a used car that travels 28 miles per gallon on the highway and 20 miles per gallon in the city. If he drove twice as many highway miles as city miles last month while using 34 gallons of gasoline, how many miles did he drive altogether?
- ☐ 840
 - ☐ 400
 - ☐ 340
 - ☐ 280
- 148 If a certain chemical costs Rs.50 for 30 gallons, then how many gallons of the chemical can be purchased for Rs.625?
- ☐ 12.5
 - ☐ 24
 - ☐ 325
 - ☐ 375
- 149 The price of jute has been reduced by 20%. If the reduced price is Rs. 800 per quintal, the original price per quintal was
- ☐ 960
 - ☐ 1000

☐ 980

☐ 640

150 A piece of wood weighing 10 ounces is found to have a weight of 8 ounces after drying. The moisture content was

☐ 20%

☐ 25%

☐ 33%

☐ 40%