FINAL ANSWER KEY

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Exam: System Analyst/Programmer

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Question1:-Which among the following is not a fundamental right?

A:-Right to equality

B:-Right against exploitation C:-Right to freedom of religion D:-Right to acquire wealth

Correct Answer:- Option-D

Question2:-The union list given in schedule of Indian Constitution.

A:-5th schedule

B:-6th schedule

C:-7th schedule

D:-8th schedule

Correct Answer:- Option-C

Question3:-The objective of Pradhan Mantri Kaushal Vikas Yojana is

A:-Skill training to youth

B:-Eradication of urban unemployment

C:-Basic education to rural children

D:-Employment guarantee to women

Correct Answer: - Option-A

Question4:-Who among the following is not related to 'Mappilapattu'?

A:-Moyinkutty Vaidyar

B:-Edarikkode Alikutty Kurikkal

C:-O.M. Karuvarakundu

D:-Chakkeeri Moideenkutty

Correct Answer:- Option-B

Question5:-Who won the 'Man Booker Prize 2018'?

A:-Anna Burns

B:-Richard Powers

C:-Daisy Johnson

D:-Chethan Bagath

Correct Answer:- Option-A

Question6:-Who was the Indian flag bearer of 2018 common wealth games closing ceremony?

A:-P.V. Sindhu

B:-Abhinay Bindra

C:-Jeenson Joseph

D:-Mary Kom

Correct Answer:- Option-D

Question7:-Who is the author of 'Aarachaar'?

A:-Sara Joseph

B:-Subash Chandran

C:-K.R. Meera

D:-M. Mukundan

Correct Answer:- Option-C

Question8:-Who is the author of 'Muslim Janavum Vidyabhyasavum' (Muslims and Education)

A:-Vakkom Moulavi

B:-Makthi Thangal

C:-K.M. Moulavi

D:-E.K. Aboobacker Musliyar

Correct Answer:- Option-B



Question9:-Name the Malayali woman congress leader imprisoned along with her two month old baby during civil disobedience movement A:-Kuttimalu Amma B:-Akkama Cheriyan C:-Arya Pallam D:-Lalitha Prabhu Correct Answer: - Option-A Question10:-How many people signed in Ezhava memorial? A:-11218 B:-12178 C:-13276 D:-13176 Correct Answer:- Option-D Question11:-Who started the daily 'Paschimodayam'? A:-Benjamine Baily B:-Hermen Gundert C:-K.P. Kesava Menon D:-Mamman Mappila Correct Answer:- Option-B Question12:-Who is the founder of 'Samatwa Samajam'? A:-Sri Narayana Guru B:-Avyankali C:-Vaikunda Swamikal D:-Sahodaran Ayyappan Correct Answer:- Option-C Question13:-Who was the first signatory of 'Malayali Memorial'? A:-K.P. Sankara Menon B:-G.P. Pillai C:-Dr. Palpu D:-C. Kesavan Correct Answer: - Option-A Question14:-Mampuram Thangal came to India from A:-Saudi Arabia B:-Yemen C:-Iraq D:-Egypt Correct Answer:- Option-B Question15:-Who is the lone dissenter of Sabarimala temple women entry verdict of supreme court? A:-Dipak Misra B:-R.F. Nariman C:-A.M. Khawilkar D:-Indu Malhothra Correct Answer:- Option-D Question16:-Who issued temple entry proclamation? A:-Swathi Thirunal B:-Sri Moolam Thirunal C:-Sri Chithira Thirunal D:-Ayilyam Thirunal Correct Answer:- Option-C Question17:-Which among the following was 'Melmundu Samaram'? A:-Paliyam Satyagraha B:-Kuttamkulam Satyagraha

Correct Answer:- Option-D Question18:-Who is known as the father of library movement in Kerala? A:-K.M. Panikkar B:-K.N. Panikkar

C:-Vaikom Satyagraha D:-Shanar Agitation



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D:-K.P. Panikkar
          Correct Answer:- Option-C
Question19:-Who is the author of the drama, 'Koottukrishi'?
          A:-M.P. Battathiripad
          B:-Edasseri Govindan Nair
          C:-K. Damodaran
          D:-V.T. Battathiripad
          Correct Answer: - Option-B
Question 20:- Who among the following is not included modern Triumvirate of Malayalam poetry?
          A:-Cherusseri
          B:-Kumaran Asan
          C:-Vallathol
          D:-Ulloor
          Correct Answer:- Option-A
Question21:-Let A, B and C are three finite sets. Find |A| if |A| = |B|, |A'uu'B| = 2a + 3b, and |A'nn'B| = b
          B:-2a+b
          C:-2a+2b
          D:-a+b
          Correct Answer: - Option-A
Question 22:-Let X = \{2, 3, 6, 12, 24, 48\}, and \leq be the partial order defined by X \leq Y if X divides Y. Number of edges in the
Hasse diagram of (X, \leq) is
          A:-4
          B:-6
          C:-5
          D:-8
          Correct Answer:- Option-C
Question 23:- A box contains 8 red and 6 yellow balls. The probability of drawing two balls of the same colour is
          A:-42/98
          B:-43/95
          C:-43/91
          D:-None of the above
          Correct Answer:- Option-C
Question24:-A die is tossed. If the number is odd, what is the probability that the number is prime?
          A:-1/3
          B:-2/3
          C:-4/3
          D:-3/4
          Correct Answer:- Option-B
Question25:-Let P(K)=1+3+5...+(2K-1)=3+K^2. Then which of the following is true?
          A:-Principle of mathematical induction can be used to prove the formula
          B:-P(1) is correct
          C:-P(k) implies P(k+1)
          D:-None of the above
          Correct Answer:- Option-C
Question26:-Three bags P, Q and R contains 20%, 40% and 40% of the total eggs produced in an industry. Past experience
shows that 5%, 4% and 2% of the eggs contained in the respective bags are defective. If an egg was found to be defective,
what is the the probability that the egg was from the bag P?
          A:-10/36
          B:-8/36
          C:-10/34
          D:-4/35
          Correct Answer:- Option-C
Question 27:- For the set \{1, 2, 3, 4\}, which of the following is true for the relation R = \{(1,3), (1,4), (2,3), (2,4), (3,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,1), (4,
(4,2), (3,4), (3,2)
          A:-R is symmetric
          B:-R is transitive
          C:-R is antisymmetric
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D:-None of the above

Question28:-A correlation coefficient of 1 means that

A:-For every positive increase in one variable, there is a positive increase in a fixed proportion of the other variable

B:-For every positive increase in one variable, there is a negative decrease in a fixed proportion of the other variable

C:-For every positive increase in one variable, there is no change in a fixed proportion of the other variable

D:-There is no relation between the variables

Correct Answer: - Option-A

Question29:-Multiple regression is used

A:-To predict scores on an independent variable from scores on multiple dependent variables

B:-To predict scores on an dependent variable from scores on multiple dependent variables

C:-To predict scores on an dependent variable from scores on multiple independent variables

D:-To predict scores on an independent variable from scores on multiple independent variables

Correct Answer:- Option-C

Question 30:-Which of the following is not true when conducting multiple regression?

A:-Data must be free from outliers for a multiple regression

B:-Data must be heterogeneous for a multiple regression

C:-Multiple regression can be used to access linear relationships

D:-Data must be normally distributed for multiple regression

Correct Answer:- Option-B

Question31:-As compared to TTL, CMOS logic has

A:-Higher speed of operation

B:-Higher power dissipation

C:-Smaller physical size

D:-All of the above

Correct Answer:- Option-C

Question32:-Pin 21 of 8086 microprocessor is used for the signal

A:-READY

B:-ALE

C:-RESET

D:-QS1

Correct Answer:- Option-C

Question33:-Assume that the following jobs are to be executed on a single processor system

Job identifier	CPU-Burst Time
P1	4
P2	1
P3	8
P4	1
P5	2

The jobs are assumed to have arrived at time 0 and in the order P1, P2, P3, P4, P5. Calculate the departure completion time for job P1 if scheduling is round robin with time slice 1.

A:-4

B:-10

C:-12

D:-11

Correct Answer:- Option-D

Question34:-The Banker's algorithm is used

A:-To prevent deadlock in operating systems

B:-To detect deadlock in operating systems

C:-To avoid deadlock in operating systems

D:-All of the above

Correct Answer:- Option-C

Question35:-The performance of a digital computer improves when its RAM size increases. This is because

A:-Size of virtual memory increases

B:-Number of page faults are less

C:-Larger RAMS are very faster

D:-Number of segment faults are less

Correct Answer:- Option-B

Question36:-Multiplier Quotient register is placed in

A:-Main Memory



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C:-I/O Equipment
     D:-None of these
     Correct Answer:- Option-B
Question37:-Which of the following is/are not true in contiguous allocation of disk space
     A:-Size of the file is to be declared in advance
     B:-There is no external fragmentation
     C:-Difficulty in finding space for a new file
     D:-Both 2 and 3
     Correct Answer:- Option-B
Question38:-Interrupt latency for real time OS should be
     A:-Maximum
     B:-Zero
     C:-Minimal
     D:-None of the above
     Correct Answer:- Option-C
Question39:-Which of the following is an invalid shell variables?
     A:-india 15
     B:- 15 india
     C:-15_india
     D:-Both 2 and 3
    Correct Answer:- Option-C
Question 40:- The output of the following shell programming is
var 1 = good
Readonly var 1
var_1= morning
echo $var 1
exit 0
     A:-good
     B:-morning
     C:-program will generate an error message
     D:-none of the above
    Correct Answer:- Option-C
Question41:-The time complexity of building a heap with 'n' elements is
     A:-O(n)
     B:-O(log n)
     C:-`O(n^2)`
     D:-O(n log n)
     Correct Answer: - Option-A
Question42:-Which of the following is false regarding AVL trees?
     A:-AVL tree is more balanced than binary search tree
     B:-AVL tree is more space efficient than binary search tree
     C:-AVL tree is more time efficient than binary search tree
     D:-None of the above
     Correct Answer:- Option-B
Question43:-What is the worst case complexity of quicksort?
     A:-O(n log n)
     B:-O(n)
     C:-`O(n^2)`
     D:-O(log n)
     Correct Answer:- Option-C
Question44:-Which data structure can be used to efficiently implement dijkstra's algorithm?
     A:-Double ended queue
     B:-Priority queue
     C:-Stack
     D:-Binary search tree
     Correct Answer:- Option-B
Question45:-Which data structure is well suited for separate chaining?
     A:-Singly linked list
     B:-Doubly linked list
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D:-Binary trees
     Correct Answer: - Option-B
Question46:-In the following code, how many times the program will print "Hello"?
#include<stdio.h>
int main()
{
  printf("Hello");
  main();
  return 0;
}
     A:-Infinite times
     B:-32767 times
     C:-65535 times
     D:-till stack overflows
     Correct Answer:- Option-D
Question47:-What will be output if you will compile and execute the following c code?
#include "string.h"
void main()
printf("%d%d",sizeof("program"),strlen("program"));
getch();
     A:-8 7
     B:-78
     C:-8 8
     D:-7 7
     Correct Answer: - Option-A
Question48:-Predict the outputs of following C program.
int main()
{
   int x = -20;
   while (x++!=1);
   printf("%d", x);
   return 0;
}
     A:-2
     B:-1
     C:--1
     D:-infinite
     Correct Answer:- Option-A
Question49:-What is the return type of malloc()?
     A:-void*
     B:-pointer of allocated memory type
     C:-void**
     D:-int*
     Correct Answer: - Option-A
Question 50:-What does the following declaration mean?
int (*ptr)[20];
     A:-ptr is array of pointers to 20 integers
     B:-ptr is a pointer to an array of 20 integers
     C:-ptr is an array of 20 integers
     D:-None of these
     Correct Answer:- Option-B
Question51:-If class C is derived from another class B which is derived from class A, which class will have minimum level of
abstraction?
     A:-Class A
     B:-Class B
     C:-Class C
     D:-All have same level of abstraction
     Correct Answer:- Option-C
Question52:-Which of the following statement is false?
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A:-An abstract class is a class which cannot be instantiated
     B:-Creation of an object is not possible with abstract class but it can be inherited
     C:-An abstract class can contain only Abstract method
     D:-None of these
     Correct Answer:- Option-C
Question53:-Which is the necessary condition for virtual function to achieve late binding?
     A:-Virtual function is to be accessed with direct name
     B:-Virtual functions is to be accessed using base class object only
     C:-Virtual function is to be accessed using pointer or reference
     D:-Virtual function is to be accessed using derived class object only
     Correct Answer:- Option-C
Question54:-Operator overloading is
     A:-Making c++ operator works with objects
     B:-Giving new meaning to existing operator
     C:-Adding operation to the existing operators
     D:-All the above
     Correct Answer: - Option-D
Question55:-What are all the operators that cannot be overloaded?
     A:-Scope Resolution (::)
     B:-Member Selection (.)
     C:-New operator (new)
     D:-Both 1 and 2
     Correct Answer:- Option-D
Question56:-Which two of the following methods are defined in class Thread?
     A:-Start and wait
     B:-Start and run
     C:-Wait and notify
     D:-Start Only
     Correct Answer:- Option-B
Question57:-Which of these class object cannot be used to form a dynamic array in JAVA?
     A:-ArrayList
     B:-Map
     C:-Vector
     D:-ArrayList and Vector
     Correct Answer:- Option-B
Question58:-Predict the output of the following code
public class Check
public static void main(String args[])
String s1 = "test";
String s2 = new String(s1);
System.out.println(s1==s2);
}
     A:-true
     B:-false
     C:-0
     D:-test
     Correct Answer:- Option-B
Question59:-In java applet programs, the applet life cycle functions are called in which order?
     A:-start(), init(), paint(), destroy(), stop()
     B:-init(), run(), start(), stop(), destroy()
     C:-init(), start(), paint(), stop(), destroy()
     D:-start(), run(), paint(), destroy(), stop()
     Correct Answer:- Option-C
Question60:-The three notion of java virtual machine are
     A:-class, object, variable
     B:-specification, implementation, instance
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D:-byte code, object code, executable
     Correct Answer:- Option-B
Question61:-Collection of entities that have the same attributes are called
     A:-Domain
     B:-Value set
     C:-Entity set
     D:-Entity type
     Correct Answer:- Option-D
Question62:-Which of the following key is related with referential integrity constraint?
     A:-Primary key
     B:-Candidate key
     C:-Foreign key
     D:-Super key
    Correct Answer:- Option-C
Question63:-Consider the following table of data r(R) of the relation schema R(XYZ)
            X Y Z
            x1 y1 z1
            x2 y1 z1
            x3 y2 z1
Which of the following functional dependency sets are valid
     A:-X->Y, Y->Z, Z->X
     B:-X->Y, X->Z, Y->Z
     C:-Both 1 and 2
     D:-None of the above
     Correct Answer:- Option-B
Question64:-The SQL aggregate function that returns number of values in a given column is
     A:-count()
     B:-count(*)
     C:-sum()
     D:-All of the above
     Correct Answer:- Option-A
Question65:-Which of the following construct returns true if a given tuple is not present in the subquery
    A:-exists
     B:-not present
     C:-not exists
     D:-none of the above
     Correct Answer:- Option-C
Question66:-What will be the output of the following query?
CREATE EmployeeView VIEW AS SELECT nothing FROM Employee WHERE ID < 100
     A:-EmployeeView will be created with no columns
     B:-EmployeeView will be created with column nothing
     C:-Syntax error
     D:-None of the above
     Correct Answer:- Option-C
Question67:-Consider a relation A with m rows and relation B with n rows. How many rows will be generated if A × B is
performed?
     A:-m
     B:-m+n
     C:-m - n
     D:-m * n
     Correct Answer: - Option-D
Question68:-
               is the statement which specifies when the trigger is to be executed.
    A:-From
     B:-Where
     C:-When
     D:-None of the above
     Correct Answer:- Option-C
Question69:-Which of the following is true about Atomicity?
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- A:-Smallest unit of transaction
- B:-Either all of its operations are executed or none
- C:-Atleast one of the operation should be executed
- D:-All of the above
- Correct Answer:- Option-B
- Question70:-Which of the following differentiates Two-Phase Locking with Strict Two-Phase Locking in Concurrency control?
 - A:-Release locks after usage
 - B:-Release locks at commit
 - C:-Cascading aborts
 - D:-None of the above
 - Correct Answer:- Option-B
- Question71:-The middle layer of a three layer client/server architecture is called
 - A:-Presentation layer
 - B:-Application layer
 - C:-Database layer
 - D:-None of the above
 - Correct Answer:- Option-B
- Question72:-Which of the following element in CSS allows authors to use external style sheets in their pages?
 - A:-position
 - B:-span
 - C:-extern
 - D:-link
 - Correct Answer:- Option-D
- Question73:-Which of the following object displays prompt dialog in JavaScript?
 - A:-alert
 - B:-prompt
 - C:-document
 - D:-window
 - Correct Answer:- Option-D
- Question74:-A technology for locating information in an XML document is
 - A:-xPath
 - B:-XSL
 - C:-MathML
 - D:-All of the above
 - Correct Answer: Option-A
- Question75:-The method used in PHP to transfer binary data from client to server is
 - A:-GET
 - **B:-POST**
 - C:-Both 1 and 2
 - D:-None of the above
 - Correct Answer:- Option-B
- Question76:-The directive used to specify information needed by ASP.NET to process an ASPX file
 - A:-Page
 - B:-Register
 - C:-Import
 - D:-Master
 - Correct Answer: Option-A
- Question77:-Which object in AJAX applications manage asynchronous interaction with the server?
 - A:-HttpURLConnection
 - B:-HttpRequest
 - C:-XMLHttpRequest
 - D:-All of the above
 - Correct Answer:- Option-C
- Question78:-Cross-Site Scripting attacks are normally initiated by
 - A:-Web Client
 - B:-Web Server
 - C:-Both 1 and 2
 - D:-None of the above
 - Correct Answer: Ontion-A



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Question79:-Which of the following in ASP.NET is a data source control method?
     A:-ExecuteReader
     B:-SqlDataReader
     C:-SqlCommand
     D:-SqlConnection
     Correct Answer:- Option-D
Question80:-Which of the following function is used to exit from a PHP Script?
     A:-exit()
     B:-die()
     C:-both 1 and 2
     D:-none of the above
     Correct Answer:- Option-C
Question81:-Which one among the following is a private IP address?
     A:-11.0.0.1
     B:-168.172.29.41
     C:-172.15.24.33
     D:-192.168.24.40
     Correct Answer: - Option-D
Question82:-Which layer in the TCP/IP stack is equivalent to the Transport layer in the OSI model?
     A:-Application
     B:-Host-to-Host
     C:-Internet
     D:-Network Access
     Correct Answer:- Option-B
Question83:-Which among the following describes the DHCP Discover message?
i. It uses FF:FF:FF:FF:FF as a layer 2 broadcast
ii. It uses UDP as the Transport layer protocol
iii. It uses TCP as the Transport layer protocol
iv. It does not use a layer 2 destination address
     A:-i only
     B:-i and ii
     C:-iii and iv
     D:-iv only
     Correct Answer:- Option-B
Question84:-Among the following IP address classes, which one provides a maximum of only 254 host addresses per
network ID?
     A:-Class A
     B:-Class B
     C:-Class C
     D:-Class D
     Correct Answer:- Option-C
Question85:-You have an IP address of 172.16.13.5 with a 255.255.255.128 subnet mask. What is your class of address,
subnet address, and broadcast address?
     A:-Class A, Subnet 172.16.13.0, Broadcast address 172.16.13.127
     B:-Class B, Subnet 172.16.13.0, Broadcast address 172.16.13.127
     C:-Class B, Subnet 172.16.13.0, Broadcast address 172.16.13.255
     D:-Class B, Subnet 172.16.0.0, Broadcast address 172.16.255.255
     Correct Answer:- Option-B
Question86:-You have an interface on a router with the IP address of 192.168.192.10/29. Including the router interface, how
many hosts can have IP addresses on the LAN attached to the router interface?
     A:-32
     B:-30
     C:-8
     D:-6
     Correct Answer:- Option-D
Question87:-The number of unique substitution boxes in DES after the 48 bit XOR operation are
     A:-4
     B:-6
     C:-8
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D:-12

Correct Answer:- Option-C

Question88:-For `p=11` and `q=17`, choose `e=7`. Find the plain text for the Cipher text 11 using the RSA algorithm

A:-88

B:-111

C:-122

D:-143

Correct Answer:- Option-A

Question89:-Which of the following is true about HTTP headers and connection management?

A:-All HTTP responses must either close a connection or include a Content-Length:header to signify to end of a HTTP response body

B:-The Host: field in HTTP allows the same web server to server content for multiple domains

C:-When transferring many small Web objects, the only performance difference between persistent and non-persistent HTTP connections is related to connection establishment

D:-HTTP headers have a fixed size

Correct Answer:- Option-B

Question 90:-Which of the following about UNIX socket programming is true?

- i. When a TCP sender calls close(), the network stack immediately sends a FIN packet to its peer
- ii. send() on a TCP socket causes a sender to a generate a TCP/IP packet and send it out the appropriate network interface
- iii. accept() returns when the receiver completes the three-way TCP handshake
- iv. The return value of recv() specifies the number of bytes read from a socket, or if the socket was closed or an error was encountered

A:-i only

B:-i and ii

C:-iii and iv

D:-iv only

Correct Answer:- Option-C

Question91:-COCOMO stands for

- A:-Consumed Cost Model
- B:-Constructive Cost Model
- C:-Common Control Model
- D:-Composition Cost Model

Correct Answer:- Option-B

Question92:-Which of the following is not defined in a good Software Requirement Specification (SRS) document?

- A:-Functional Requirement
- **B:-Nonfunctional Requirement**
- C:-Goals of implementation
- D:-Algorithm for software implementation

Correct Answer:- Option-D

Question93:-Software process and improvement are assessed by

A:-ISO 9000

B:-ISO 9001

C:-SPICE (ISO/IEC15504)

D:-Both 2 and 3

Correct Answer:- Option-D

Question94:-CMM model in Software Engineering is a technique of

A:-Develop the software

B:-Improve the software process

C:-Improve the testing process

D:-All of the above

Correct Answer:- Option-B

Question95:-Alpha and Beta Testing are forms of

A:-Acceptance testing

B:-Integration testing

C:-System testing

D:-Unit testing

Correct Answer:- Option-A

Question96:-Coupling and cohesion can be represented using a

A:-cause-effect graph



B:-dependence matrix

C:-structure chart

D:-SRS

Correct Answer:- Option-B

Question 97:- The tests that run every night during the project development or before a programmer checks in any changes to the global repository are normally characterized as

A:-Integration tests

B:-Regression tests

C:-Validation tests

D:-System tests

Correct Answer:- Option-B

Question 98:-Which of the following reason is valid ones for choosing a top-down process?

A:-Developers can present a demo of the project to the management faster than using a bottom-up process

B:-A top-down process is more time consuming because of the unit tests

C:-In a top-down design, if an error is detected its always because a lower-level module is not meeting its specifications (because the higher-level ones are already been tested)

D:-A top-down process makes it possible to detect performance problems faster

Correct Answer: - Option-A

Question99:-Consider the following statements

- (i) Bottom-up testing is not an effective way to reveal architectural design flaws.
- (ii) Top-down testing can be time-consuming, because you need to write stubs for many modules.

A:-Only (i) is true

B:-Only (ii) is true

C:-Both (i) and (ii) are true

D:-Both (i) and (ii) are false

Correct Answer:- Option-C

Question100:-Consider the following statements

- (i) When designing tests, if partitions are chosen perfectly, there is no point to testing boundary values near the edges of the partition.
- (ii) Glass-box tests designed for one implementation are valid to use when testing another implementation.

A:-Only (i) is true

B:-Only (ii) is true

C:-Both (i) and (ii) are true

D:-Both (i) and (ii) are false

Correct Answer:- Option-C