091/22

Question Booklet Alpha Code

A

A

Question Booklet Sl. No.

Total Number of Questions : 100 **Time : 90 Minutes**

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

1. The Question Paper will be given in the form of a Question Booklet. There will be four versions of Question Booklets with Question Booklet Alpha Code viz. **A, B, C** & **D**.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the Question Booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a Question Booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same alpha code.
6. The Question Booklet will be sealed at the middle of the right margin. Candidate should not open the Question Booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him/her contains all the 100 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the Question Booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices **(A), (B), (C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

A

1. Suppose there are ten signals, each requiring 4,000 Hz, are multiplexed onto a single channel using FDM. What is the minimum bandwidth required for the multiplexed channel ? Assume that the guard bands are 400 Hz wide.
   A) 4,000 Hz
   B) 40,000 Hz
   C) 42,600 Hz
   D) 43,600 Hz

2. What is the size of ARP request and ARP reply packet ?
   A) 18 bytes
   B) 20 bytes
   C) 28 bytes
   D) 53 bytes

3. Which of the following specifies WLAN security standard ?
   A) IEEE 802.11
   B) IEEE 802.11 g
   C) IEEE 802.11 i
   D) IEEE 802.11 b

4. Which of the following switching services are appropriate for setting up :
   I. a voice communication, and
   II. internet service respectively ?
   A) (I) Packet Switching, (II) Message Switching
   B) (I) Packet Switching, (II) Circuit Switching
   C) (I) Circuit Switching, (II) Packet Switching
   D) (I) Circuit Switching, (II) Message Switching

5. In cryptography, the following uses transposition ciphers and the keyword is LAYER. Encrypt the following message. (Spaces are omitted during encryption) WELCOME TO NETWORK SECURITY !
   A) WMEKREETSILTWETCOOCYONRU !
   B) EETSICOOCYWMEKRONRU!LTWET
   C) EETSIWMEKRONRU!LTWETCOOCY
   D) ONRU!COOCYLTWETEETSIWMEKR

6. Match the following :

P. UDP Header's Port Number	I. 48 bits
Q. Ethernet MAC Address	II. 8 bits
R. IPV6 Next Header	III. 32 bits
S. TCP Header's Sequence Number	IV. 16 bits

A) P – III, Q – IV, R – II, S – I
B) P – II, Q – I, R – IV, S – III
C) P – IV, Q – I, R – II, S – III
D) P – IV, Q – I, R – III, S – II

7. Consider the following statements :
   I. Port number for DHCP client is 67.
   II. The DHCP employs a connectionless service model, using the User Datagram Protocol (UDP).
   III. DHCP Lease Time is the amount of time in a network device can use an IP Address in a network.

   A) Only I is correct
   B) Only I and II are correct
   C) Only II and III are correct
   D) All of I, II and III are correct

8. A digital signature is required
   A) For non-repudiation of communication by a sender
   B) For e-mail sending
   C) For all DHCP server
   D) For FTP transaction

9. If the message contains only one bit and the network contains a single link, then latency corresponds to the
   A) Transmission + propagation delay + queuing time + processing time
   B) Transmission + propagation delay
   C) Transmission time
   D) Propagation delay

10. RG-58 category cables are used for
    A) Telephone
    B) Cable TV
    C) Thick Ethernet
    D) Thin Ethernet

11. Select the true statement about ICMP error messages :

Statement 1 : No ICMP message will be generated for a datagram having a multicast address.

Statement 2 : No ICMP message will be generated for a fragmented datagram that is not the first fragment.

A) Only Statement 1 is true

B) Only Statement 2 is true

C) Both Statements 1 and 2 are true

D) Both Statements 1 and 2 are false

12. The protocol can connect together any internetwork of autonomous systems using

A) Bus topology

B) Mesh topology

C) Autonomous topology

D) Arbitrary topology

13. Which one of the following statements is/are false with respect to SCTP protocol ?

I. Stream Control Transmission Protocol (SCTP) is a transport-layer protocol.

II. SCTP is a connectionless protocol.

III. SCTP is a byte-oriented protocol.

IV. SCTP is a full-duplex connection.

A) I and II

B) II and III

C) I, II and III

D) I, II, III and IV

14. UMTS air interface is based on

A) SDMA

B) FDMA

C) TDMA

D) CDMA

15. The Data Encryption Standard (DES) has a function consisting of four steps. Which of the following is the correct order of these four steps ?

A) An expansion permutation, S boxes, an XOR operation, a straight permutation

B) An expansion permutation, an XOR operation, S boxes, a straight permutation

C) A straight permutation, S boxes, an XOR operation, an expansion permutation

D) A straight permutation, an XOR operation, S boxes, an expansion permutation

16. Satellites used for telecommunication relay are kept in geostationary orbit. A satellite is said to be in such an orbit when

    I. The orbit is geosynchronous.

    II. The orbit is circular.

    III. The orbit lies in the plane of the Earth's equator.

    IV. The orbit is at an altitude of 22236 km.

    A) I, II and III
    B) I, III and IV
    C) II and IV
    D) All of the above

17. Consider the data transfer using TCP over a 1 Gbps link. Assuming that the Maximum Segment Lifetime (MSL) is set to 60 seconds, the minimum number of bits required for the sequence number field of the TCP header, to prevent the sequence number space from wrapping around during the MSL is

    A) 30
    B) 33
    C) 60
    D) 66

18. The message $(A5)_{16}$ is to be transmitted using the CRC polynomial $x^3 + x + 1$. Find the message that should be transmitted in hexadecimal.

    A) C2C
    B) 52D
    C) A1D
    D) 36D

19. Define the type of the following destination addresses :

    I. 4A : 30 : 10 : 20 : 30 : 4A

    II. 47 : 20 : 25 : 3B : EF : BC

    A) I : Unicast and II : Broadcast
    B) I : Multicast and II : Broadcast
    C) I : Multicast and II : Unicast
    D) I : Unicast and II : Multicast

20. Consider the following statements :
    Statement 1 : Checksum field is present in both TCP header and UDP header.
    Statement 2 : Size of source port in a TCP header is 16 bytes.

    A) Only Statement 1 is true
    B) Only Statement 2 is true
    C) Statement 1 and 2 are true
    D) Both Statement 1 and 2 are false

21. Match the following.

1. USART	a. 8251
2. Microcontroller	b. 8051
3. Interrupt controller	c. 8259
4. DMA controller	d. 8257
5. UART	e. 8250

A) 1 – a, 2 – b, 3 – c, 4 – d, 5 – e
B) 1 – b, 2 – a, 3 – e, 4 – d, 5 – c
C) 1 – e, 2 – a, 3 – b, 4 – c, 5 – a
D) 1 – a, 2 – c, 3 – d, 4 – e, 5 – b

22. The processing speeds of pipeline segments are
A) Equal
B) Unequal
C) Constant
D) Increases initially and then attains constant value

23. Number of flip-flops needed for mod-18 counters is
A) 3 B) 4 C) 5 D) 2

24. What will happen when executing XCHG instruction ?
A) All flags are affected
B) Only carry flag is affected
C) No flags are affected
D) All flags other than carry flag are affected

25. Most efficient to perform arithmetic operation on the numbers is
A) 1's complement B) 2's complement
C) 10's complement D) All of the above

26. IEEE single precision and double precision format to represent floating point numbers has
A) 8 bits and 16 bits respectively B) 16 bits and 32 bits respectively
C) 32 bits and 64 bits respectively D) 64 bits and 128 bits respectively

27. Simplified form of $ab + \bar{a}c + bc$ is

A) $\bar{a}\bar{b} + ab$ B) $\bar{a}c + ab$ C) $a\bar{c} + b$ D) $a\bar{b} + \bar{c}$

28. What will be the output of the following ?

```
MVI B, 80H
MOV A, B
MOV C, A
MVI D, 37 H
OUT PORT 1
HLT
```

A) output = 80 H B) output = 37 H

C) output = 117 H D) error

29. How many 8 bit char can be transmitted per sec over 7200 baud serial communication link using parity synchronous mode of transfer with one start bit, 9 data bits, 1 stop bit and 1 parity bit ?

A) 600 B) 720 C) 800 D) 900

30. The 8085 microprocessor has

A) 8 bit address bus and 8 bit data bus

B) 16 bit address bus and 8 bit data bus

C) 16 bit address bus and 16 bit data bus

D) 8 bit address bus and 16 bit data bus

31. Select true statement from the following.

A) Unless enabled, CPU won't be able to process interrupt.

B) Loop instruction can't be interrupted till they complete.

C) A processor checks for interrupts before executing a new instruction.

D) Only level triggered interrupts are possible on microprocessors.

32. RST 7 instruction in 8085 microprocessor is equivalent to

A) CALL 0034H

B) CALL 0010H

C) CALL 003CH

D) CALL 0038 H

33. Performance of pipelined processor suffers if
    1. Pipeline stages have different delays
    2. Instructions depend on each other
    3. Stages share hardware resources

    A) 1 and 2 only
    B) 1 and 3 only
    C) 2 and 3 only
    D) 1, 2 and 3 are true

34. In 8085 microprocessor, flags affected by arithmetic operation is
    A) AC flag only
    B) AC, CY flags
    C) Z flag only
    D) AC, CY and Z flags

35. The 8086 microprocessor can access
    A) 2^{16} byte memory
    B) 2^{20} byte memory
    C) 2^{32} byte memory
    D) 2^{24} byte memory

36. Following statements are given
    1. Counters are sequential circuits.
    2. Gate is an example of combinational logic.

    A) None of the statements are correct
    B) Both the statements are correct
    C) Statement 1 is true, Statement 2 is wrong
    D) Statement 2 is true, Statement 1 is wrong

37. **Assertion :** If more than one input in an encoder is active high, then it produces an output that may not be the correct code.

    Reason : Assigning priorities to each input of encoder solves issue.

    A) Both Assertion and Reason are false
    B) Assertion is true and Reason is false
    C) Reason is not the correct explanation for Assertion, but Assertion is true
    D) Assertion is false, Reason is true

38. **Statement 1 :** A switch-tail ring counter connects the complement of the output of the last shift register to the input of the first register.
Statement 2 : Around the ring, it circulates a stream of 1's followed by 0's.
A) None of the statements are correct
B) Both the statements are correct
C) Statement 1 is true, Statement 2 is wrong
D) Statement 2 is true, Statement 1 is wrong

39. Choose among the following the minimum number of JK flip-flops required to construct a synchronous counter with the count sequence (0, 0, 1, 1, 2, 2, 3, 3, 0, 0,...).
A) 3 B) 0
C) 1 D) 2

40. The range of integers that can be represented by n-bit 2's complement number system is
A) -2^{n-1} to $(2^{n-1} - 1)$
B) $-(2^{n-1} + 1)$ to $(2^{n-1} - 1)$
C) -2^{n} to $(2^{n-1} - 1)$
D) $-(2^{n-1} - 1)$ to $(2^{n} - 1)$

41. In pentium 4, the address bus is of _____ bits.
A) 8 B) 16 C) 32 D) 36

42. Which register used as working area in CPU ?
A) Accumulator
B) Program counter
C) Instruction register
D) Memory address register

43. Which memory is non-volatile and can be programmed and erased in circuit ?
A) RAM B) Dynamic RAM
C) EEPROM D) Cache memory

44. How many addresses are required for 25 $*$ 40 video RAM ?
A) 1004 B) 1000 C) 2000 D) 1920

45. The main feature of RAMBUS tech is
    A) Speed of transfer
    B) Efficiency
    C) Memory utilization
    D) None of the above

46. Which of the following is not true about cache memory ?
    A) Volatile memory
    B) Smaller size than RAM
    C) Sequential access memory
    D) Faster than RAM

47. The data size of word is
    A) 8 byte
    B) 2 byte
    C) 4 byte
    D) 16 byte

48. Efficient access time is directly proportional to
    A) Memory access time
    B) Miss ratio
    C) Page fault ratio
    D) None of the above

49. The access time of magnetic bubble memory is
    A) 30 nanoseconds
    B) 30 milliseconds
    C) .3 seconds
    D) 30 microseconds

50. Which bus is used for transferring data to and from different devices ?
    A) Data bus
    B) Address bus
    C) Input bus
    D) Output bus

51. RR scheduling is suitable for
    A) An ordinary OS
    B) Distributed OS
    C) Time shared OS
    D) Real time OS

52. In optimal page replacement algorithm, when a page is to be replaced, which of the following page is chosen ?
    A) Oldest page
    B) Newest page
    C) Not frequently occurred page in future
    D) Frequently occurred page in future

53. Deadlock can be described more precisely in terms of directed graph is called
    A) System resource allocation graph
    B) Pseudo graph
    C) Symmetric diagraph
    D) Pie chart

54. The first fit, best fit and worst fit algorithm can be used for
    A) Linked allocation of memory
    B) Contiguous allocation of memory
    C) Indexed allocation of memory
    D) All of these

55. External fragmentation occures when
    A) Memory are remain unused because it is too large to be allocated
    B) Less memory is allocated than requested by the process
    C) More memory is allocated than requested by the process
    D) Memory area remain unused because it is too small to be allocated

56. The time taken for desired sector to rotate to the disk head is called
    A) Rotational latency
    B) Positioning time
    C) Seek time
    D) Random access time

57. If a disk has a seek time of 20 ms, rotates 20 revolutions per second, has 100 words per block and each track has capacity of 300 words. The total time required to access one block is
    A) 25 B) 60 C) 30 D) 40

58. How many bits are there in logical address ?
    A) 12 B) 15 C) 13 D) 11

59. CPU fetches the instruction from memory according to the value of

A) Status register
B) Instruction register
C) Program status word
D) Program counter

60. Poor response time are caused by

A) Process or busy
B) High i/o rate
C) High paging rate
D) All of the above

61. What will be the output of the following code ?

```
public class Prog1 {
        static {
                System.out.print("Hello");
        }
        public static void main (String[] args){
                System.out.print("Hi");
        }
        static {
                System.out.print("Hai");
        }
}
```

A) Compilation error
B) HaiHiHello
C) HelloHaiHi
D) HiHelloHai

62. What will be the output of the following code ?

```
class Parent {
        public static void info() {
                System.out.println("I am Parent");
        }
}
class Child extends Parent {
        public static void info() {
                System.out.println("I am Child");
        }
}
public class Prog2 {
        public static void main(String[] args) {
                Parent p = new Child();
                p.info();
        }
}
```

A) I am child
B) Compile Time Error
C) I am Parent
D) Run Time Error

63. What will be the error of the following program ?

```
interface I1 {
        double PI = 3.14;
}
interface I2 {
        double PI = 3.1415;
}
interface I3 extends I1, I2 {
        double area(double r);
}
public class Interface Test implements I3 {
        public double area(double r) {
                return PI*r*r;
        }
        public static void main(String[] args) {
                InterfaceTest it = new InterfaceTest();
                System.out.println(it.area(5));
        }
}
```

A) InterfaceTest.java:12: error: reference to PI is ambiguous

B) InterfaceTest.java:7: error: multiple inheritance is not permitted

C) InterfaceTest.java:7: error: reference to PI is ambiguous

D) InterfaceTest.java:12: error: reference to PI is not resolved (should implement Ambiguity Resolver)

64. What will be the output of the following program ?

```
public class SimpleClass {
        public static void main(String[] args) {
                SimpleClasssc = new SimpleClass();
                sc.begin();
        }
        void begin() {
                int[] a = {4, 5, 6};
                int[] b = operate(a);
                System.out.print(a[0]+a[1]+a[2]+ ":");
                System.out.print(b[0]+b[1]+b[2]);
        }
        int[] operate(int[] c) {
                c[2] = 8;
                return c;
        }
}
```

A) 15 : 17 B) 17 : 15 C) 15 : 15 D) 17 : 17

65. Which of the following statements is/are true ?
S1 : Every class is part of some package.
S2 : All classes in a file are part of the same package.
S3 : If no package is specified, the classes in the file go into java.lang package.
S4 : If no package is specified, a new package is created with folder name 'custom' and the class is put in this package.

A) Only S1, S2 and S3
B) Only S1, S2 and S4
C) Only S2 and S3
D) Only S1 and S2

66. What will be the output of the following Java Program ?

```
public class Test1 {
        public static long method(long n) {
                if(n<50) n = method(n+5);
                return (n–2);
        }
        public static void main(String[] args) {
                System.out.println(Test1.method(35));
        }
}
```

A) 48
B) 42
C) 28
D) 43

67. Consider the following program :

```
public class Test2 {
        public static void main(String[] args) {
                String str1 = new String("abcd");
                String str2 = str1;
                str2 = str2.concat(new String("ef"));
                System.out.print(str1.concat(str2));
                StringBuffer sb1 = new StringBuffer("abcd");
                StringBuffer sb2 = sb1;
                sb2 = sb2.append(new StringBuffer("ef"));
                System.out.print(sb1.append(sb2));
        }
}
```

What will be the output ?

A) abcdabcdefabcdefabcdef
B) abcdefabcdefabcdefabcdef
C) abcdefabcdefabcdabcdef
D) Compilation Error

68. What will be the output of the following program ?

```
class Base  {
        public static void display( ) {
                System.out.print("I am Base");
        }
}
class Derived extends Base  {
        public static void display( ) {
                super.display( );
                System.out.print("I am Derived") ;
        }
}
public class Test3 {
        public static void main (String[] args) {
                Base b = new Derived();
                b.display();
        }
}
```

A) I am Base

B) I am Derived

C) I am Base I am Derived

D) Compilation Error

69. The pre-order traversal of a binary search tree is given by 11, 7, 5, 1, 6, 8, 9, 15, 14, 18, 16, 19. Then the post-order traversal of this tree is

A) 1, 5, 6, 7, 8, 9, 11, 14, 15, 16, 18, 19

B) 1, 6, 5, 9, 8, 7, 14, 16, 19, 18, 15, 11

C) 6, 3, 5, 7, 8, 9, 19, 16, 18, 14, 15, 11

D) 6, 5, 1, 9, 8, 7, 14, 15, 16, 19, 18, 11

70. An unordered list contains m distinct elements. The number of comparisons to find an element in this list that is neither maximum nor minimum is

A) O(m) B) O(log m) C) O(log(log m)) D) O(l)

71. Level order traversal of a rooted tree can be done by starting from the root and performing which of the following ?

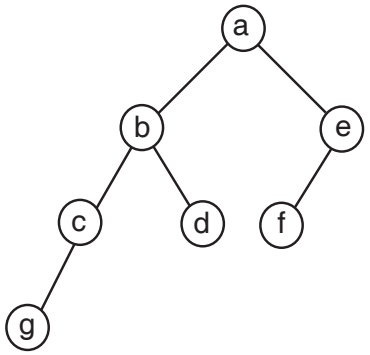
A) Preorder traversal B) Depth first search

C) Postorder traversal D) Breadth first search

72. What is the result of evaluating the following prefix expression ?
* + 5 – 2 1 / – 4 2 + – 5 3 1

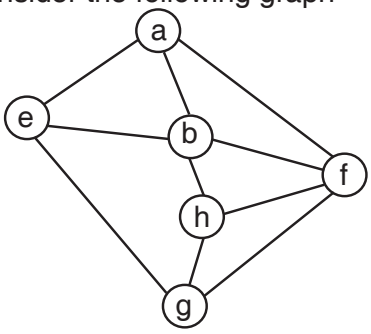
A) 2 B) 8 C) 4 D) 12

73. In the balanced binary tree in the below figure, how many nodes will become unbalanced when two nodes are inserted as children of the node ‘g’ ?



A) 1 B) 3
C) 4 D) 7

74. Consider the following graph



Among the following sequences :
P : a b e g h f
Q : a b f g h e
R : a b f h g e
S : a f g h b e
Which are depth first traversals of the above graph ?

A) P, Q, R and S
B) P and R only
C) Q, R and S only
D) P, R and S only

75. Which one of the following models is not suitable for accommodating any change ?
    A) Prototyping model
    B) RAD model
    C) Build and Fix model
    D) Waterfall model

76. White box testing, a software testing technique is sometimes called
    A) Graph testing
    B) Basic path
    C) Glass box testing
    D) Dataflow

77. Which one of the following is not desired in a good Software Requirement Specifications (SRS) document ?
    A) Non-Functional Requirements
    B) Goals of Implementation
    C) Functional Requirements
    D) Algorithms for Software Implementation

78. COCOMO stands for
    A) Constructive Cost Model
    B) Common Control Model
    C) Composition Cost Model
    D) Consumed Cost Model

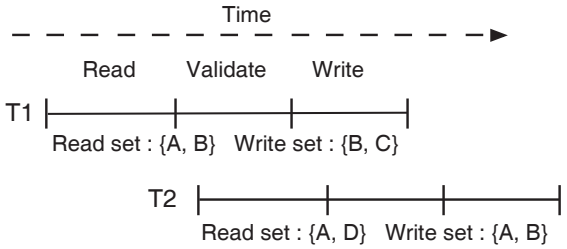
79. Line Of Code (LOC) of the product comes under which type of measures ?
    A) Direct measures
    B) Coding
    C) Indirect measures
    D) None of the above

80. Which of the following is not one of the principles of Agile software development method ?
    A) Customer involvement
    B) Embrace change
    C) Incremental delivery
    D) Following the plan

81. In RDBMS, second normal form deals with
    A) Functional dependencies
    B) Transitive dependencies
    C) Partial dependencies
    D) Multivalued dependencies

82. A relation R(x, y) in a particular relational database has redundant data due to inconsistent data entry and errors. Due to this several queries may fail to execute or generate incorrect answers. Despite these challenges, can any of the queries listed below execute without any errors and without any redundant records ?
    A) SELECT x FROM R WHERE x = 1
    B) SELECT x, y FROM R GROUP BY x, y
    C) SELECT MAX(y) FROM R GROUP BY x
    D) All of the above

83. Consider two transactions T1 and T2 shown in figure. Based on the practical assumption that ACID properties have to be adhered to, in order to keep the database in consistent state, which of the two transactions would have to execute rollback due to failed operations, if concurrency control algorithms have been implemented on the database.



    A) T1 only
    B) T2 only
    C) T1 or T2 based on priority
    D) Both T1 and T2

84. For N given relations, number of alternative join trees possible may be approximately
    A) O(N)
    B) O(N2)
    C) O(N log N)
    D) None of the above

85. Objective of normalization technique in DBMS is to

A) Remove the functional dependencies

B) Reduce the anomalies

C) Remove redundancies

D) Reduce the number of resultant relations

86. What is the output of the following code snippet ?

```
<?php
  $x=0;
    function myTest( )
    { static $y = $x;
      echo $y ;
      $y++; }
  myTest ( ) ;
  myTest ( ) ;
  myTest ( ) ;
?>
```

A) 012

B) 000

C) No output

D) Error

87. Consider the following JavaScript code snippet.

```
<script type= “text/javascript”>
   var x = new Array ( ) ;
   x[0] = “kerala”;
   x[1] = “state”;
   x[2] = “india”;
   document.write (x[0, 1, 2]) ;
</script>
```

What is the output of this script that is displayed on the webpage ?

A) error

B) india

C) keralastateindia

D) kerala, state, india

88. A Scripting language is a
    A) Assembly level programming language
    B) Machine level programming language
    C) Non-compiled language
    D) High level programming language

89. Which of the following is used for terminate script execution in PHP ?
    A) break()
    B) quit()
    C) die()
    D) none of the above

90. A MySQL customer table with some null values in a particular column for some of the records (i. e., optional data that customers left blank while filling a Web form) is given. You are asked to replace only these NULL value entries with a term “N/A”. What command can be used do this ?
    A) UPDATE
    B) INSERT
    C) REPLACE
    D) None of the above

91. Which of the following is used to delete an entire MySQL database ?
    A) DROP ENTIREDB
    B) DROP DB
    C) DROP DBASE
    D) DROP DATABASE

92. What will be the output of the following PHP code ?

```
<?php
  $x = 10;
  $y = &$x;
  $x++;
  $y++;
  print $x.$y;
?>
```

    A) 1111
    B) 1112
    C) 1212
    D) Circular referencing error

93. What MySQL type can be used to store a list of permitted values for a variable during table creation time ?

A) TEXT

B) SET

C) VARCHAR

D) None of the above

94. How does the identity operator ═══ compare two values ?

A) Returns true only if both are of the same type and value

B) Performs a lexical comparison, if the two values are strings

C) Converts them to a common compatible data type and then compares resulting values

D) Converts both values to strings and compares them

95. In a SELECT with a GROUP BY clause, a WHERE clause and a HAVING clause, when are the WHERE conditions applied before the HAVING condition ?

A) Depends on subquery structure

B) Always

C) Never

D) None of the above

96. _____ is an example of a magic method in PHP.

A) _compile()

B) _string()

C) _wakeup()

D) all of the above

97. Using CSS, the background of an XHTML page can be set to an image

A) body {background(“1.gif”);}

B) body {background-image (“1.gif”);}

C) body {background-image (‘1.gif’);}

D) none of the above

98. Which of the below statements are true in the context of Primary Key (PK) and Unique Key (UK) ?

A) Both are same

B) There is only one PK and one UK in a relation

C) PK does not allow NULL values while UK allows it

D) All of the above

99. What is the purpose of <noscript> tag in JavaScript ?

A) Prevents scripts on the page from executing

B) Enclose text to be displayed by non-JavaScript browser

C) Suppresses the result to be displayed on the web page

D) None of the above

100. How is the following Boolean expression interpreted ?
var x = new Boolean (“false”) ;

A) x = true

B) x = false

C) x has garbage value

D) none of the above

Space for Rough Work