PROVISIONAL ANSWER KEY

Question Paper Code:	61/2019/OL
Category Code:	093/2018
Exam:	Jr Instrctor(Information Communication Technology System Maintenance)
Medium of Question:	English
Date of Test	31-12-2019
Department	Industrial Training
Alphacode	A

Question1:-What are the active devices of I generation computer

A:-Vacuum tubes

B:-Transister

C:-Integrated Circuits

D:-Microprocessor

Correct Answer:- Option-A

Question2:-Which of the following is not a language translator

A:-Assembler

B:-Interpreter

C:-Compiler

D:-Application

Correct Answer:- Option-D

Question3:-1 Kilobyte = _____ bits

A:-8 bits

B:-2^{10} bits

C:-$8xx2^{10}$ bits

D:-$8xx2^{16}$ bits

Correct Answer:- Option-C

Question4:-Which one of the following is a volatile memory?

A:-ROM

B:-RAM

C:-EPROM

D:-EEPROM

Correct Answer:- Option-B

Question5:-Which of the following is an extension of image file?

A:-exe

B:-txt

C:-jpeg

D:-doc

Correct Answer:- Option-C

Question6:-The term "Pentium" relates to

A:-Operating system

B:-Microprocessor

C:-Hard disk

D:-Output device

Correct Answer:- Option-B

Question7:-Which of the following is not a flavor of Linux?

A:-Redhat

B:-Ubuntu

C:-Suse

D:-OS/2

Correct Answer:- Option-D

Question8:-Which of the following is used to keep a process running in background even after the user logout from shell?

A:-bg

B:-hup

C:-&

D:-nohup

Correct Answer:- Option-D

Question9:-On successful execution, fork returns _____ to parent process

    A:-0

    B:-1

    C:-Child process id

    D:-Parent process id

    Correct Answer:- Option-C

Question10:-Which of the following is used to display the content of a file in octal format?

    A:-cat

    B:-oct

    C:-od

    D:-octal

    Correct Answer:- Option-C

Question11:-What will be the output of the program?

```
#include <stdio.h>
main()

{    float b=5, h=2, a;
     a = 1/2 * b * h;
     printf("%f",a);
}
```

    A:-10

    B:-10.000000

    C:-0

    D:-0.000000

    Correct Answer:- Option-D

Question12:-Default return type of a function is

    A:-null

    B:-void

    C:-int

    D:-float

    Correct Answer:- Option-C

Question13:-Which of the following is the last character of a string

    A:-\0

    B:-\n

    C:-\t

    D:-none of these

    Correct Answer:- Option-A

Question14:-Name of an array returns _____

    A:-First element of the array

    B:-Size of the array

    C:-Number of elements of the array

    D:-Base address of the array

    Correct Answer:- Option-D

Question15:-What will be the output of the following program segment?

```
#include <stdio.h>
main()
{    int i;
     for (i = 3; i <5; i++);
         printf("%d",i);
}
```

    A:-3, 4

    B:-5

    C:-4

    D:-None of these

    Correct Answer:- Option-B

Question16:-What will be the output of the following program segment

```
#include <stdio.h>
main()
{    int z, x = 4, y = -10, a=4, b=2;
     z = x++ - --y*b/a;
     printf(%d",z);
}
```

  A:-6

  B:-7

  C:-8

  D:-9

  Correct Answer:- Option-D

Question17:-What will be the output?

```
   main()
{    union stud
      { char name [10];
        int regno;
        int mark1;
        int mark2;
       } st;
       printf("%d,sizeof(st));
```

  A:-16

  B:-0

  C:-12

  D:-10

  Correct Answer:- Option-D

Question18:-What is the return value of malloc()?

  A:-size of the allocated memory

  B:-base address of the allocated memory

  C:-1 if memory allocation is success

  D:-none of these

  Correct Answer:- Option-B

Question19:-Which of the following header file must be included to use dynamic memory allocation functions?

  A:-dos.h

  B:-stdio.h

  C:-stdlib.h

  D:-memory.h

  Correct Answer:- Option-C

Question20:-What will be the data type returned by the following function?

```
   #include<stdio.h>
   int func()
   {
       return (float)(char)8.3;
   }
```

  A:-int

  B:-float

  C:-char

  D:-multiple typecasting not allowed

  Correct Answer:- Option-A

Question21:-What will be the output of the following program

```
   #include<stdio.h>
   main()
   {    int a=5b *3 % 6 - 8 + 3;
        printf("%d",a);
   }
```

  A:-10

  B:-2

  C:--2

  D:-3

  Correct Answer:- Option-C

Question22:-Information on basic system configuration is stored in

  A:-BIOS

B:-CMOS

C:-CONFIG.SYS

D:-ROM

Correct Answer:- Option-B

Question23:-Where do PC store CMOS settings?

A:-RAM

B:-Flash ROM

C:-South bridge

D:-NVRAM

Correct Answer:- Option-B

Question24:-How can you remove a CMOS password?

A:-Flash the BIOS

B:-Change the system clock to 00/00/0000

C:-Sent it back to factory

D:-Remove jumper on the mother board

Correct Answer:- Option-D

Question25:-Power-on self-test checks all of the flowing except

A:-CPU

B:-Memory

C:-Modem

D:-Video

Correct Answer:- Option-C

Question26:-Which of the following is a special database that holds key information about your system including the device drivers?

A:-BOOT.INI

B:-CONFIG.SYS

C:-SYSTEM.INI

D:-Registry

Correct Answer:- Option-D

Question27:-IDE cables have how many pins?

A:-24

B:-32

C:-40

D:-64

Correct Answer:- Option-C

Question28:-Which controller support an external CD drive?

A:-ESDI

B:-MFM

C:-SCSI

D:-ARLL

Correct Answer:- Option-C

Question29:-Which of the following describes a fragmented hard disk?

A:-Files are corrupted

B:-Clusters of data are damaged

C:-Storage media is damaged

D:-Files are not stored in consecutive clusters

Correct Answer:- Option-D

Question30:-A 16 bit address bus can generate _____ addresses.

A:-65536

B:-32768

C:-32767

D:-None of these

Correct Answer:- Option-A

Question31:-The size of registers of 8086 microprocessor.

A:-12 bits

B:-8 bits

C:-16 bits

D:-32 bits

Correct Answer:- Option-C

Question32:-If there is a carry from lowest nibble during addition, _____ flag is set.
    A:-Carry flag
    B:-Overflow Flag
    C:-Auxiliary carry
    D:-Sign flag
    Correct Answer:- Option-C
Question33:-The number of address and data lines of 8086
    A:-8 and 8
    B:-16 and 16
    C:-20 and 16
    D:-16 and 20
    Correct Answer:- Option-C
Question34:-Which directory contains configuration files in linux?
    A:-/bin/
    B:-/etc/
    C:-/root/
    D:-/dev/
    Correct Answer:- Option-B
Question35:-On successful completion, fork() returns _____ to the parent process.
    A:-0
    B:-1
    C:--1
    D:-Process ID of child process
    Correct Answer:- Option-D
Question36:-What will be the output of the following program?

```
static int a = 3;
void main()
{     a = 5;
      {
           int a = 7;
      }
      printf("%d",a);
}
```
    A:-3
    B:-5
    C:-7
    D:-12
    Correct Answer:- Option-B
Question37:-Default storage class of a variable declaration is _____
    A:-auto
    B:-extern
    C:-static
    D:-register
    Correct Answer:- Option-A
Question38:-Fast access to data items available in a database file can be provided through
    A:-Index file
    B:-data file
    C:-data dictionary
    D:-metadata file
    Correct Answer:- Option-C
Question39:-The term _____ is used to refer to a row in a table
    A:-fields
    B:-attributes
    C:-Tuple
    D:-none of these
    Correct Answer:- Option-C
Question40:-Which one of the follow is not a RDBMS?
    A:-Foxpro
    B:-Oracle

C:-Mysql

D:-Sql server

Correct Answer:- Option-A

Question41:-Which one of the following is used to create a virtual relation for storing a query?

A:-view

B:-function

C:-procedure

D:-table

Correct Answer:- Option-A

Question42:-which one of the following option clause is used with view to reject the tuples that do not satisfy the "where condition"?

A:-with

B:-with check

C:-check

D:-none of these

Correct Answer:- Option-B

Question43:-When using Foreign Key, the _____ of one relation is referenced in another relation

A:-Foreign Key

B:-Primary Key

C:-Check constraint

D:-None of these

Correct Answer:- Option-B

Question44:-_____ is the preferred method for enforcing data integrity

A:-Constraints

B:-Triggers

C:-Cursors

D:-Stored Procedure

Correct Answer:- Option-A

Question45:-What values does the count(*)function ignore?

A:-null values

B:-Integer

C:-character

D:-none of these

Correct Answer:- Option-A

Question46:-The _____ statement is used in SQL for authorization

A:-implement

B:-revoke

C:-grant

D:-none of these

Correct Answer:- Option-C

Question47:-_____ is executed when a table is modified

A:-procedure

B:-function

C:-trigger

D:-none of these

Correct Answer:- Option-C

Question48:-Which of the following command is used to delete a particular column in a relation?

A:-DELETE

B:-ALTER

C:-UPDATE

D:-DROP

Correct Answer:- Option-B

Question49:-A transaction completes its execution is said to be

A:-Saved

B:-Rolled

C:-Committed

D:-Loaded

Correct Answer:- Option-C

Question50:-The language used in application program to request for data from DBMS is

A:-DDL

B:-DML

C:-DCL

D:-all of these

Correct Answer:- Option-B

Question51:-Which of the following is NOT related to OOP?

A:-Encapsulation

B:-Data Abstraction

C:-Data Hiding

D:-Data Dictionary

Correct Answer:- Option-D

Question52:-In a class defined using an Object Oriented Programming language:

A:-All data and functions should be public to maximise flexibility and ease of use

B:-Nearly all data should be private and most functions should be public

C:-Nearly all data should be public and most functions should be private

D:-All data must be private, but functions are neither private nor public

Correct Answer:- Option-B

Question53:-Which among the following is an Object-Oriented Programming language?

A:-Java

B:-Simula 67

C:-Smalltalk

D:-All the above

Correct Answer:- Option-D

Question54:-____ are the basic run times entities in an object-oriented system.

A:-Objects

B:-Classes

C:-Functions

D:-All the above

Correct Answer:- Option-A

Question55:-Operator Overloading

A:-Defines a new meaning to an existing operator

B:-Enables operators to work with objects

C:-Implements polymorphism

D:-All of the above

Correct Answer:- Option-D

Question56:-Virtual function in C++ implements ____

A:-Inheritance

B:-Polymorphism

C:-Data hiding

D:-None of the above

Correct Answer:- Option-B

Question57:-Multiple inheritance can be achieved in Java using ____

A:-Applets

B:-Servlets

C:-Interface

D:-Swing

Correct Answer:- Option-C

Question58:-Which of the following statements is TRUE about constructors?

A:-Constructors are automatically invoked when objects of the class are created

B:-Constructors can be overloaded

C:-The return type of constructors is void ( )

D:-Both (A) and (B)

Correct Answer:- Option-D

Question59:-Wrapping up of data and associated functions into one single unit is called

A:-Abstraction

B:-Encapsulation

C:-Data Hiding

D:-Polymorphism

Correct Answer:- Option-B

Question60:-Which among the following OOP feature promotes code reusability?

    A:-Data Hiding

    B:-Polymorphism

    C:-Inheritance

    D:-Late Binding

    Correct Answer:- Option-C

Question61:-Private members of a class are accessible to:

    A:-Member functions of that class

    B:-Friend functions of that class

    C:-All functions in the program

    D:-Both (A) and (B)

    Correct Answer:- Option-D

Question62:-A class which is not used to create objects, but is designed to act as a base class to be inherited by other classes is called:

    A:-Abstract class

    B:-Virtual base class

    C:-Template class

    D:-None of the above

    Correct Answer:- Option-A

Question63:-Which of the following programs in UNIX helps us to configure a machine as a proxy server?

    A:-Apache

    B:-Poff

    C:-Synaptic

    D:-Squid

    Correct Answer:- Option-D

Question64:-The maximum number of class A networks possible according to the IPv4 addressing scheme is:

    A:-32

    B:-64

    C:-126

    D:-256

    Correct Answer:- Option-C

Question65:-172.0.14.87 is a Class _____ address

    A:-Class A

    B:-Class B

    C:-Class C

    D:-Class D

    Correct Answer:- Option-B

Question66:-In IPv6 address is a _____ bit address

    A:-32

    B:-64

    C:-128

    D:-256

    Correct Answer:- Option-C

Question67:-How fast can CAT 6 cable transfer data?

    A:-Upto 10 Mbps

    B:-Upto 100 Mbps

    C:-Upto 1 Gbps

    D:-Upto 10 Gbps

    Correct Answer:- Option-D

Question68:-The number of half duplex links required to connect five computers in mesh topology is:

    A:-25

    B:-20

    C:-10

    D:-15

    Correct Answer:- Option-B

Question69:-A network device that connects dissimilar networks by providing the translation from one set of protocols to another is:

    A:-Switch

    B:-Router

C:-Gateway

D:-Modem

Correct Answer:- Option-C

Question70:-Which among the following protocols is used for translating from IP address to MAC address?

A:-ICMP

B:-ARP

C:-RARP

D:-IGRP

Correct Answer:- Option-B

Question71:-The input and output ports of a router perform the _____ layer functions:

A:-Physical and Data link

B:-Network

C:-Both (A) and (B)

D:-None of the above

Correct Answer:- Option-A

Question72:-Transport Layer is responsible for _____ delivery of data:

A:-Node to node

B:-Process to process

C:-Hop to hop

D:-All of the above

Correct Answer:- Option-B

Question73:-A firewall is used in a network to:

A:-Prevent fire in a network

B:-To scan for viruses in files

C:-Prevent unauthorized access to the network

D:-None of the above

Correct Answer:- Option-C

Question74:-The maximum number of active devices in a Piconet is:

A:-4

B:-6

C:-7

D:-8

Correct Answer:- Option-D

Question75:-Which of the following is a private network?

A:-LAN

B:-WAN

C:-MAN

D:-None of the above

Correct Answer:- Option-A

Question76:-The IEEE standard for Wireless LAN is:

A:-IEEE 802.3

B:-IEEE 802.4

C:-IEEE 802.11

D:-IEEE 802.7

Correct Answer:- Option-C

Question77:-A protocol that allows non-ASCII messages to be sent through e-mails:

A:-MIME

B:-IMAP

C:-POP3

D:-SMTP

Correct Answer:- Option-A

Question78:-A sniffer is

A:-A protocol

B:-A virus

C:-A program that monitors and analyzes network traffic

D:-None of the above

Correct Answer:- Option-C

Question79:-Providing, managing and maintaining hardware, software, content integrity, security and reliable high speed connection for a website is called:

A:-Web hosting

B:-Web Browsing

C:-Web Crawling

D:-Navigation

Correct Answer:- Option-A

Question80:-The system that helps users to identify host computers in a network by their names instead of their IP addresses is:

A:-TCP

B:-DNS

C:-PPP

D:-ARP

Correct Answer:- Option-B

Question81:-A computer virus that copies itself to the beginning of the hard disk, where it is automatically executed when the system is turned ON is called _____

A:-Worm

B:-Trojan Horse

C:-Boot sector virus

D:-None of the above

Correct Answer:- Option-C

Question82:-What is a trap door in a program?

A:-A security hole inserted while writing the program, which is intended for later use

B:-An error in the program

C:-Security hole in a network

D:-None of the above

Correct Answer:- Option-A

Question83:-Honeypot is an example for

A:-Security auditing software

B:-Intrusion detection software

C:-Encryption software

D:-Virus

Correct Answer:- Option-B

Question84:-Which feature of cloud computing allows the service to change in size or volume in order to meet user's needs?

A:-Scalability

B:-Security

C:-Virtualization

D:-Cost savings

Correct Answer:- Option-A

Question85:-DoS is the acronym for

A:-Denial of Security

B:-Delivery of Service

C:-Denial of Service

D:-Delivery of Security

Correct Answer:- Option-C

Question86:-Which among the following is NOT a web browser?

A:-Microsoft Edge

B:-Google Chrome

C:-Mozilla Firefox

D:-None of the above

Correct Answer:- Option-D

Question87:-URL stands for _____

A:-Universal Resource Locator

B:-Uniform Resource Locator

C:-Unified Resource Locator

D:-Universal Route Locator

Correct Answer:- Option-A

Question88:-What should be the first tag in any HTML document?

A:-<head>

B:-<title>

C:-<document>

D:-<html>

Correct Answer:- Option-D

Question89:-Domain names used by commercial establishments usually have the suffix _____

    A:-.com

    B:-.org

    C:-.ac.in

    D:-.gov.in

    Correct Answer:- Option-A

Question90:-Choose the correct HTML tag to make the text bold:

    A:-<b>

    B:-<bold>

    C:-<strong>

    D:-Both (A) and (B)

    Correct Answer:- Option-D

Question91:-Marquee is a tag in HTML used to:

    A:-Mark the list of items to maintain in queue

    B:-Mark the text so that it is hidden in browser

    C:-Display text with scrolling effect

    D:-None of the Above

    Correct Answer:- Option-C

Question92:-CSS is an acronym for

    A:-Cascading Style Sheet

    B:-Cascading Style System

    C:-Cascading server Sheet

    D:-None of the above

    Correct Answer:- Option-A

Question93:-Which of the following statements is TRUE about JavaScript?

    A:-JavaScript is designed to add style to HTML pages

    B:-JavaScript is designed to add interactivity to HTML pages

    C:-JavaScript is used to perform server side scripting operations

    D:-None of the Above

    Correct Answer:- Option-B

Question94:-_____ is a built-in JavaScript function which can be used to execute another function after a given time interval.

    A:-Timeout( )

    B:-TimeInterval( )

    C:-setTimeout( )

    D:-All of the above

    Correct Answer:- Option-C

Question95:-A dynamic web page is

    A:-Displayed the same every time

    B:-Generated on demand by a program on a request from browser

    C:-Both (A) and (B)

    D:-None of the above

    Correct Answer:- Option-B

Question96:-Which of the following is NOT TRUE about PHP?

    A:-PHP can be used to develop web applications

    B:-PHP makes a website dynamic

    C:-PHP applications cannot be compiled

    D:-PHP cannot be embedded into HTML

    Correct Answer:- Option-D

Question97:-PHP scripts are enclosed with _____

    A:-<php>...</php>

    B:-<?php...?>

    C:-?php...?php

    D:-<p>...</p>

    Correct Answer:- Option-B

Question98:-Which of the following is the correct statement to create an array in PHP?

(i) state[0] = "Kerala";
(ii) $state[ ] = array("Kerala");
(iii) $state[0] = "Kerala";
(iv) $state = array("Kerala");

    A:-(iii) and (iv)

    B:-(ii) and (iii)

    C:-Only (iv)

    D:-(ii), (iii) and (iv)

    Correct Answer:- Option-A

Question99:-Which one of the following PHP functions allow user-defined functions to accept variable length argument lists?

    A:-func_get_argv()

    B:-func_get_args()

    C:-get_argv()

    D:-get_args()

    Correct Answer:- Option-B

Question100:-____ is the concatenation operator in PHP

    A:-.(dot)

    B:-+

    C:-=

    D:-^

    Correct Answer:- Option-A