|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Question** | **Option1** | **Option2** | **Option3** | **Option4** | **Answer** |
| **01** | \_\_\_\_\_\_\_ computers perform the complex processing by directly measuring the discrete physical quantities. | Analog | Digital | Hybrid | Personal | 2 |
| **02** | \_\_\_\_\_\_\_ is a non-volatile memory chip in which data once stored cannot be altered by programmer | ROM | PROM | EPROM | ROM and PROM | 1 |
| **03** | Modern magnetic tapes use 8 bit \_\_\_\_\_\_\_\_code format for data recording | EBCDIC | BCD | ASCII | All of these options | 1 |
| **04** | The tape of magnetic tape storage is divided into Vertical columns called\_\_\_\_\_\_\_\_\_ and horizontal rows is called\_\_\_\_\_\_\_\_ | Channels and Frames | Frames and Channels | Tracks and Frames | Channels and Tracks | 2 |
| **05** | Which of these is an electronic card. | Magnetic Strip Card | Smart Card | ATM Card | Punch Card | 2 |
| **06** | \_\_\_\_\_\_\_\_ is a set of control statements and extends processing capability of Computer system | Application software | System software | Operating system | Utilites | 2 |
| **07** | Different types of user interfaces include | System calls | Command language | Job control language | All of these options | 4 |
| **08** | FAT stands for | File Allocation Table | File Administration Table | File Available Table | File Allotment Transfer | 1 |
| **09** | The OSI model has \_\_\_\_\_\_\_\_ layers | 5 | 6 | 7 | 8 | 1 |
| **10** | Standard multimedia compression technique is | JPEG | MPEG FOR VIDEO | MPEG FOR AUDIO | All of these options | 4 |
| **11** | The mechanism of counting the 1 bits of the character bit set and adding a check bit to make the total number of 1 bits even while transferring the data, is referred to as | Parity | Even Parity | Odd Parity | Error Checking | 2 |
|  | 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 | 4 |
| **12** | Which of the following are not Hard disk | Zip disk | Disk packs | Floppy disk | Winchester Disk | 3 |
| **13** | The unit of measurement of data transfer rate is \_\_\_\_\_\_ | Maud | Baud | Bandwidth | None of these options | 2 |
| **14** | \_\_\_\_\_\_is collection of the facts or informational raw material and become information after processing. | Data | Database | Computer | Main Memory | 1 |
| **15** | Algorithms can be represented in various ways EXCEPT | PROGRAMS | FLOWCHARTS | DECISION CHARTS | SPREADSHEET | 4 |
| **16** | \_\_\_\_\_ contains the addresses of all the records according to the contents of the field designed as the record key. | Index | Subscript | Array | File | 1 |
| **17** | Advantages of using flow charts is | Effective Analysis | Efficient Coding | Time consuming | Effective Analysis and Efficient Coding | 4 |
| **18** | The logic used to perform instructions one after another is\_\_\_\_\_\_\_ | Selection logic | Sequence logic | End case | None of these options | 2 |
| **19** | Computer languages are classified as all of the following EXCEPT: | Machine Language | Code language | Assembly language | High level Language | 2 |
| **20** | Limitation of Machine language are, EXCEPT: | Executed fast by Computer | Difficult to program | Error prone | Machine dependent | 1 |
| **21** | \_\_\_\_\_\_\_\_ is true for Syntax error. | It is easier to detect Syntax error compared to logical error | The program cannot be compiled and executed until all syntax errors are corrected | These program error typically involve incorrect Punctuation, undefined terms, no parenthesis etc. | All of these options | 4 |
| **23** | Program errors are known as \_\_\_\_\_\_\_\_ | Virus | Bugs | Errors | All of these options | 2 |
| **24** | Commonly used file organization are: | Sequential | Direct and Random | Indexed Sequential | All of these options | 4 |
| **25** | \_\_\_\_\_\_\_\_\_language that enables users to define their requirements for extracting required information. | Query | Manipulation | DDL | DML | 1 |
| **26** | 3.2 % 3 | 1 | 0 | 0.2 | Err | 4 |
| **27** | What is o/p If c=10, d=20 ( c> d ? printf(" Hi") : printf(" Hello")); | Hi | Hello | HiHello | None of these | 2 |
| **28** | Which of the following are keywords of the C language?  i)if  ii)else  iii)then  iv)elseif | All are keywords | only i,ii and iii are keywords | only i,ii and iv are keywords | only i and ii are keywords | 2 |
| **29** | which of the following is NOT a character constant | `Thank You` | `enter values of p n r` | `23.56e-03` | all of the above | 4 |
| **30** | void main() { int arr[10]; printf("%d", sizeof(arr)); getch(); } | 20 | 10 | Error | None | 1 |
| **31** | Following are the rules for naming an identifier except: | Uppercase case letters are not equivalent to lowercase letters | Should not start with a digit but can have digits in between the name | Any letter with - + = sign | Letter starting with | 3 |
| **32** | What is output void main() { int n=3,a=2; a\*= n+1; printf("%d", a); } | 7 | 8 | 6 | None | 2 |
| **33** | The keyword \_\_\_\_\_\_\_ breaks the control from while loop. | break | exit | both a and b | None | 1 |
| **34** | Consider the declaration #include Here the angled brackets indicate | The compiler will search only the standard libraries for the file myfile.h | The compiler will search first the user`s default/ working directory and then the standard libraries for the file myfile.h | The compiler will search only the user`s default/working directory | None of the above. | 1 |
| **35** | main() { printf(" \n Hello"); disp(); } disp() { printf(" \n Hi"); main(); } | Hi | Hello | Hello Hi Infinite no of times | Hello Hi still stack overflow | 4 |
| **36** | C() { printf("C"); } B() { C(); printf("B"); } A() { printf(" A"); B(); } main() { printf("M"); A(); } | CAMB | MABC | MCAB | MACB | 4 |
| **37** | which of the following shows the correct hierarchy of arithmetic operations in C | (), \*\*, \* or /, + or ? | (), \*\*, \*, /, +, - | (), \*\*, /, \*, +, - | (), / or \*, - or + | 4 |
| **38** | main() { printf(" C to it that C servies"); main(); } | C to it that C servies infinitely | Compilation Error | Linker Error | C to it that C servies still stack overflow | 4 |
| **39** | The statement int (\* arr [5]) (int \*, char \*) means | array of pointer to five functions | an integer function taking 5 arrays and returning an char | array of 5 pointer to integers | None of above | 1 |
| **40** | What error would the following function give on compilation ? f(int a, int b) { int a; a=20; return a; } | Missing parentheses in return statement | The function should be defined as int f ( int a , int b) | Redeclaration of a | None of the above | 3 |
| **41** | If the binary equivalent of 5.375 in normalised form is 0100 0000 1010 1100 0000 0000 0000, 0000 what is the output of the following'C' program ? main() { float a = 5.375; char \*p; int i; p=(char\*) &a; for(i=0;i<=3;i++) printf("%02x",(unsigned char)p[i] ) ; } | 40 AC 00 00 | 00 CA 00 40 | 00 00 AC 40 | 00 00 CA 04 | 3 |
| **42** | Interpret the following statement :  void(\*b)(int \*); | b is a pointer to a function which takes a pointer to an int and returns a void | invalid statement | b is a pointer to a void which can be typecast as a pointer to int | b is a pointer of type int which is a pointer to a void | 1 |
| **43** | From an ascending priority queue only the\_\_\_\_\_\_\_\_\_item can be removed | Largest | Smallest | Rear | Top | 2 |
| **44** | Consider the program segment given below. (The numbers represent program line numbers) :  1. #include  2. int y;  3. void main()  4.{  5. int x,\*px,\*\*px;  6. x = 10;  7. y = 1000;  8. px = &x;  9. ppx = &px;  10. f3(ppx);  11. printf("%d",\*px);  12.}  13.void f3(int \*\*pp)  14.{  15. \*pp = &y;  16. printf("%d",\*\*pp);  17.}  The printf() at line 11 prints the value : | 10 | 100 | 1000 | 20 | 3 |
| **45** | A stack in c is declared as a \_\_\_\_ containing two objects | array | structure | group | collection of element | 2 |
| **46** | The remove operation can only be performed, if the queue is | empty | non empty | overloaded | underflow | 2 |
| **47** | Stack is constantly changing | element | object | memory location | set of integers | 3 |
| **48** | In a doubly linked list if a node is to be deleted between two nodes, how many links of the existing list have to be modified? | 2 | 4 | 3 | 1 | 3 |
| **49** | What is the output of the following code?  void main()  {  int i = 100, j = 200;  const int \*p=&i;  p = &j;  printf("%d",\*p);  } | 100 | 200 | 300 | None of the above | 2 |
| **50** | The value of automatic variable that is declared but not initialized will be | 0 | -1 | Garbage | None | 3 |
| **51** | In a'C' program constant is defined | before main | after main | anywhere | none of the above | 3 |
| **52** | What does the term 'call-by-reference' refer to? | Passing a copy of a variable into a function. | Passing a pointer to a variable into a function. | Choosing a random value for a variable. | A function that does not return any values. | 2 |
| **53** | Consider the following declaration ::- enum color {black=-1, blue, green }; This represents | black= -1,blue=2, green=3 | black= -1 ,blue = -2, green= -3 | black= -1 ,blue = 0, green= 1 | an illegal declaration | 3 |
| **54** | The macro FILE is defined in which of the following files; | stdlib.h | stdio.h | io.h | stdio.c | 2 |
| **55** | A function called total(), totals the sum of an integer array passed to it (as the first parameter) and returns the total of all the elements as an integer. Let the second parameter to the function be an integer which contains the number of elements of the array. The correct code is | int total( int numbers[], int elements ) { | int total( int numbers[], int elements ) { | int total( int numbers[], int elements ) { | None of the above | 4 |
| **56** | What does the term call-by-value refer to? | Passing a copy of a variable into a function | Passing a pointer to a variable into a function | Choosing a random value for a variable | A function that does not return any values | 1 |
| **57** | Associativity of unary minus is | right to left | left to right | from center | None | 1 |
| **58** | void main() { int I=0; for(;I= =2;) { printf("%d", I); I++; } } | 0 | 0 1 2 | 0 1 | No output | 4 |
| **59** | If ( ps->top=-1) return (true); else return (false); For this group of statements suggested shorter and more efficient method | return (1 (ps->top=+1) else return 0; | return (ps->top==-1); | return(top+1); | it can not be made shorter | 3 |
| **60** | The fwrite() and fread() functions handle data in | text form | binary form | hexadecimal form | octal form | 2 |
| **61** | When the language has the capability to produce new data type,it is called\_\_\_\_. | Extensible | Encapsulation | Overloading | Overriding | 1 |
| **62** | \_\_\_\_\_\_ is the good example of a method that is shared by all instance of a class. | Constructor | Attribute | Constructor and Attribute | None of these options | 1 |
| **63** | Which of the following are class relationships? | is-a relationship. | Part-of relationship. | Use-a relationship. | All of these options. | 4 |
| **64** | Derived class inherits from base class. | Data members. | Member function. | Constructor & destructor. | Both Data members and Member function. | 4 |
| **65** | A contract is implemented through. | Class | Interface. | Abstract Class. | Interface and Abstract Class | 4 |
| **66** | Complex object composing of other object is called\_\_\_\_\_ | Aggregation | Assosiation | Composition | None of these options | 1 |
| **67** | A relationship that can be identified between two object entities (classes or individuals) is called a \_\_\_\_\_\_\_\_\_\_\_. | function | association | link | activity | 2 |
| **68** | 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 | 3 |
| **69** | Cardinality can be represented as: | 1?.n, where n represents an unlimited value. | Only with a line between base class & derived classes | A line with an arrow-head pointing in direction of parent or superclass. | Cannot be represented in UML. | 1 |
| **70** | Method is another name of\_\_\_\_ | Function | Attribute | Behavior | None of these options | 1 |
| **71** | SATURINE : MERCURIAL :: | redundant : wordy | saturn : venus | heavenly : starry | wolf : sly | 3 |
| **72** | KIND : BENEVOLENT :: | Requital :reverberate | Reverentral:imprudent | Circumspect:short-sighted | Muddy:unclear | 4 |
| **73** | Horse : colt :: | bird : eaglet | child : adult | seed : fruit | sheep : lamb | 4 |
| **74** | CONE : PINE :: | fruit : berry | bulb : flower | acorn : oak | needle : fir | 3 |
| **75** | MANDATORY : OPTIONAL :: | pious : indignant | competent : inept | opaque : ornate | chaste : celibate | 2 |
| **76** | BLUEPRINT : CONSTRUCTION :: | itinerary : trip | signal : light | tenant : premises | volume : library | 1 |
| **77** | CELEBRATE : MARRIAGE :: | window : bedroom | lament : bereavement | pot : pan | face : penalty | 2 |
| **78** | PROHIBITED : REFRAIN :: | innocuous : forbid | deleterious : embark | required : decide | compulsory : comply | 4 |
| **79** | ASSUAGE : | humiliate | intensify | convert | solidify | 2 |
| **80** | DORMANT : | authoritative | elastic | active | uninteresting | 3 |
| **81** | Studies over the last 20 years have shown that virtually all babies born to drug - addicted mothers are themselves adicted to drugs. No such correlation, however, has been shown between drug-addicted fathers and thier newborn children. It would appear, then, that drug addiction is a genetically inherited trait that is gender-linked and passed through the mother. All the following, if true, would weaken the argument above EXCEPT | There have been instances in which drug-addicted babies have been born to addicted fathers and non-addicted mothers. | Although some biological conditions have been shown to be genetically based, drug addiction is not among them | Drug addiction is an acquired condition which cannot be passed on from a mother to her children | Prior to the recent development of DNA testing, which maternity was unquestionable, paternity could not be positively determined | 1 |
| **82** | 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 avaible in more stores | Canned opener production doubled | 4 |
| **83** | The gateway of india is in mumbai mumbai is in maharashtra therefore the gateway of india is in maharashtra | false | cannot say | true | probably false | 3 |
| **84** | Ravi is the younger than sachin sachin is younger than tarun therefore ravi is the youngest among them | true | false | cannot say | probably true | 1 |
| **85** | 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. | 1 |
| **86** | The movement of ownership by unions is the latest step in the progression from management ownership to employee ownership. 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 productivity. | Employee participation in management raises morale. | Employee union ownership drives up salaries and wages. | Employee union ownership enables workers to share in the profits. | 3 |
| **87** | One major obligation of the social psychologist is to provide his own discipline, the other social sciences and conceptual tools that will increase the range and the reliablilty of their understanding of social phenomena. Beyond that, responsible government officials are today turning more frequently to the social sientists for insight into the nature and solution of the problems with which they are confronted. The above argument assumes that: | Social psychologist must have a strong background in other sciences as will as their own | A study of social psychology should be part of the curriculim of government officials. | The social scientist has an obligation to provide the means by which social phenomena may be understood by others | Social phenomena are little understood by those outside the field of social psychology. | 3 |
| **88** | starting from a point x jayant walked 15metres towards the west he turned to his left and walked 20 metres he then turned to his left and walked 15 metres he then further turned to his right and walked 12 metres how far is jayant from the point x and in which direction? | 32 metres south | 47 metres east | 42 metres north | 27 metres south | 1 |
| **89** | If P and N are done on Thursday and Friday, then which of the following is true? | L is done on Tuesday | L is done on Wednesday | M is done on Monday | O is done on Tuesday | 2 |
| **90** | A farmer plants only five different kinds of vegetables -- beans, corn, kale, peas, and squash. Every year the farmer plants exactly three kinds of vegetables according to the following restrictions:  If the farmer plants corn, the farmer also plants beans that year.  If the farmer plants kale one year, the farmer does not plant it the next year.  In any year, the farmer plants no more than one of the vegetables the farmer planted in the previous year.  Which of the following is a possible sequence of combinations for the farmer to plant in two successive years? | Beans, corn, kale, corn, peas, squash | Beans, corn, peas, beans, corn, squash | Beans, peas, squash, beans, corn, kale | Corn, peas, squash, beans, kale, peas | 3 |
| **91** | If x + 49 =8.2, then the value of x is equal to | 1.20 | 1.40 | 1.44 | 1.89 | 3 |
| **92** | If a = -1 and b = -2, what is the value of (2 - ab2)3? | 343 | 216 | 125 | 64 | 2 |
| **93** | If z = 1, y = 2.......a = 26. Find the value of z + y + x + .......+a. | 351 | 221 | 400 | 200 | 1 |
| **94** | A clock that gains two minutes each hour is synchronized at midnight with a clock that loses one minute an hour. What will be the difference, in minutes, between the times shown on the two clocks when a third clock correctly shows noon? | 36 | 24 | 14 | 12 | 1 |
| **95** | 50 copies of a book can be purchased for a sum payable 3 months hence while 51 copies can be had for same sum for cash payment. What is the rate of interest per year? | 6 % | 8 % | 10 % | 12 % | 2 |
| **96** | The Compound interest on a sum of money in 3 years at the rate of 5% per annum is Rs.1261. What is the simple interest of the same sum of money in the same number of years but at 4% per annum of simple interest. | 960 | 900 | 840 | 800 | 1 |
| **97** | If the radius of a cylinder is tripled while its height is halved, its volume will be | halved | unchanged | doubled | increased by 350% | 4 |
| **98** | In a group of people solicited by a charity, 30% contributed Rs.40each, 45% contributed Rs.20 each, and the rest contributed Rs.12 each. What percentage of the total contributed came from people who gave Rs.40? | 30% | 40% | 45% | 50% | 4 |
| **99** | A is 8 miles east of B. C is 10 miles north of B. D is 13 miles east of C and E is 2 miles north of D. Find shortest distance between A and E. | 5 miles | 6 miles | 13 miles | 18 miles | 3 |
| **100** | A dishonest milk seller professes to sell milk at cost price but gains 12 1/2%. The proportion of water he adds to milk is | 8 : 1 | 6 : 2 | 5 : 1 | None of the above. | 1 |