1. The passage below is accompanied by a set of questions. Choose the best answer to each question-

One of the most serious problems confronting our country is that of a fast-growing population. In fact, it is at the root of many other problems. At the moment, thanks to planning, we are able to produce food and cloth sufficient for our people and even in some excess. But if the population continues to grow at this rate, it will not be long before the surplus turns into a bare minimum and even a, deficit. The position in regard to accommodation is even now far from satisfactory in spite of our efforts.

"It is at the root of many other problems" means that,

Answers

1. it is found along with many other problems

2. it is caused by many other problems

3. it gives rise to many other problems

4. it is buried under many other problems

The present satisfactory position in regard to food and cloth is due to -

Answers

1. the fact that the population has been controlled

2. our good luck

3. good rainfall

4. our economic planning

If the population of India continues to increase at this rate, the situation in regard to food and cloth-

Answers

1. is likely to remain the same

2. is likely to become less satisfactory

3. is likely to improve

4. is likely to vary up and down

The situation in respect of accommodation -

Answers

1. is less than satisfactory

2. is quite satisfactory

3. is improving rapidly

4. is the result of total neglect

At present Indians have-

Answers

1. more provision for cloth than accommodation

2. more provision for accommodation than cloth

3. abundance of cloth and accommodation

4. scarcity of cloth and accommodation

6. The option which is a ANTONYM for the given word: CAPRICIOUS

Answers

1. Firm

2. Fickle

3. Indefinite

4. Defiant

7. The option which is a ANTONYM for the given word: ENCOUNTERED

Answers

1. Avoided

2. Enriched

3. Faced

4. Overcome

8. The option which is a SYNONYM for the given word : ENSUING

Answers

1. Prompt

2. Victorious

3. Acquire

4. Following

9. Identify the meaning of the idiom/phrase from the given options-

He expects his subordinates "to be always at his beck and call"

Answers

1. At rest

2. At work

3. At his disposal

4. At their desks

10. Substitute one word that relates most closely to given meaning-

"That which lasts for a short time."

Answers

1. Regular

2. Transitory

3. Rotatory

4. Repository

11. Select the one which best expresses the given sentence in Passive/Active voice-

A lion does not eat grass, however hungry he may be.

Answers

1. Grass is not eaten by a lion, however hungry he may be.

2. Grass is not being eaten by a lion, however hungry he may be.

3. Grass is eaten not by a lion, however hungry he may be.

4. Grass is being not eaten by a lion, however hungry he may be.

12. Choose the option which is grammatically correct for the part of sentence in double quotes -

Babu asked his friend, "where you went yesterday?”

Answers

1. "Where did you go yesterday?"

2. "Where you had gone yesterday?"

3. "Where you did go yesterday?"

4. No improvement

13. Identify the part of the sentence with error -

Answers

1. The Company aims

2. to nearly double

3. its revenues on the back

4. of a strongest product pipeline.

5. No error

14. One of the odd-looking birds of the ocean is the penguin.

P: Penguins cannot fly.

Q: It is found in the cold regions of the Antarctic circle.

R: Their wings have been changed into swimming flippers.

S: They use them like oars.

With the aid of flippers they can dive into the water.

The correct sequence should be

Answers

1. PQRS

2. QPRS

3. RSPQ

4. QRSP

15. Choose the alternative which has correct sequence of articles-

Who was \_\_\_\_ first woman to win \_\_\_\_ Nobel Prize for literature?

Answers

1. a / an

2. the / a

3. a / the

4. the / the

16. Fill in the blanks with suitable prepositions -

He was killed \_\_\_\_\_ the robber \_\_\_\_\_ a hatchet.

Answers

1. by / with

2. with / by

3. with / with

4. by / by

17. Complete the sentence with the appropriate word-

Science is a sort of news agency comparable \_\_\_\_\_ to other news agencies.

Answers

1. principally

2. in principle

3. in principal

4. in spirit and form

18. Fill in the blanks with suitable prepositions -

Finding himself short \_\_\_\_\_ money, he wrote \_\_\_\_ his uncle \_\_\_\_ help.

Answers

1. to / for / with

2. to / to / about

3. of / to / for

4. in / to / to

19. Complete the sentence with grammatically appropriate word-

You tell me what I should do \_\_\_\_ dealing with a burglary?

Answers

1. while

2. when

3. what

4. whoever

20. The option which is a SYNONYM for the given word: DEVOTION

Answers

1. affection

2. allegiance

3. accuracy

4. adherence

21. Four Iron metal rods of lengths 78 cm, 104 cm, 117 cm and 169 cm are to be cut into parts of equal length. Each part must be as long as possible. What is the maximum number of pieces that can be cut?

Answers

1. 27

2. 36

3. 43

4. 400

22. Which of the following years is not a leap year?

Answers

1. 800

2. 700

3. 1600

4. 2000

23. A truck covers a distance of 376 km at a certain speed in 8 hours. How much time would a car take at an average speed which is 18 kmph more than that of the speed of the truck to cover a distance which is 14 km more than that travelled by the truck ?

Answers

1. 6 hours

2. 8 hours

3. 4 hours

4. 5 hours

24. Today is Monday. After 61 days, it will be ...

Answers

1. Wednesday

2. Saturday

3. Tuesday

4. Thursday

25. Ten years ago, the sum of ages of a father and his son was 34 years. If the ratio of present ages of the father and son is 7:2, find the present age of the son.

Answers

1. 12 years

2. 11 years

3. 10 years

4. 8 years

26. There is meeting of 20 delegates that is to be held in a hotel. In how many ways these delegates can be seated along a round table, if three particular delegates always seat together?

Answers

1. 17! 3!

2. 18! 3!

3. 17! 4!

4. 18! 4!

27. 40 % of goods are sold at 10 % loss while the remaining is sold at 20 % profit. If there is total profit of Rs. 640, then the worth of goods sold is?

Answers

1. Rs. 8000

2. Rs. 9500

3. Rs. 8600

4. Rs. 9200

28. In a mixtu

28. In a mixture of milk and water of volume 30 litres, the ratio of milk and water is 7 : 3. How much quantity of water is to be added to the mixture to make the ratio of milk and water 1 : 2?

Answers

1. 30 liters

2. 32 liters

3. 33 liters

4. 35 liters

29. An alloy contains14 parts of tin and 100 parts of copper. What is the percentage of tin in the alloy ?

Answers

1. 12.3%

2. 13%

3. 11.5%

4. 11%

30. Ramesh borrowed Rs. 3600 at a certain rate of interest C.I. and the sum grows to Rs. 4624 in 2 years. What is the rate of interest?

Answers

1. 12.3%

2. 13.3%

3. 14.3%

4. 15.3%

31. The first republic day of India was celebrated on January 26, 1950. What day of the week was it?

Answers

1. Wednesday

2. Friday

3. Thursday

4. Tuesday

32. A shopkeeper sold some articles at Rs.35 per article and earned a profit of 40%. At what price each article should have been sold so that 60% profit was earned?

Answers

1. 40

2. 25

3. 34

4. 60

33. A train is moving at a speed of 132 km/hour. If the length of the train is 110 meters, how long will it take to cross a railway platform 165 meters long.

Answers

1. 7 second

2. 7.5 second

3. 8 second

4. 8.5 second

34. A vendor sells 50 percent of apples he had and throws away 20 percent of the remainder. Next day he sells 60 percent of the remainder and throws away the rest. What percent of his apples does the vendor throw?

Answers

1. 26%

2. 23%

3. 25%

4. 27%

35. The age of a man 10 years ago was thrice the age of his son. 10 years hence, the man's age will be twice the age of his son. The ratio of their present ages is = ?

Answers

1. 5 : 2

2. 7 : 3

3. 9 : 2

4. 13 : 4

37. Statements

No fruits is a vegetables

All potatoes are vegetables

Some fruits are apples.

Conclusions:

I. No fruit is a potato.

II. At least some apples are fruits.

Answers

1. Both I and II follow

2. Either I or II follow

3. Only II follows

4. Neither I nor II follows

5. Only I follows

38. Sam walked 20 m towards the north. Then she turned right and walks 30 m. Then she turns right and walks 35 m. Then she turns left and walks 15 m. Finally she turns left and walks 15 m. In which direction and how many meters is she from the starting position?

Answers

1. 15 m West

2. 30 m East

3. 30 m West

4. 45 m East

39. If eraser is called box, box is called pencil, pencil is called sharpener and sharpener is called bag, what do we write with ?

Answers

1. Eraser

2. Box

3. Pencil

4. Sharpener

5. Bag

40. P is the brother of N. O is the daughter of N. R is the sister of P and Q is the brother of O. Who is the uncle of Q?

Answers

1. P

2. O

3. N

4. R

41. Choose or find odd word:

Wheat , Barley, Rice , Chickpea, Mustard

Answers

1. Wheat

2. Barley

3. Rice

4. Chickpea

5. Mustard

42. Complete analogous pair:

Auger : Carpenter :: Awl : ?

Answers

1. Sculptor

2. Cobbler

3. Chef

4. Mason

43. A + B means A is the father of B ;

A - B means A is the wife of B ;

A x B means A is the brother of B ;

A ÷ B means A is the daughter of B.

If P x R + Q, which of the following is true ?

Answers

1. P is the uncle of Q

2. P is the father of Q

3. P is the brother-in-law of Q

4. P is the grandfather of Q

44. A, B, C, D, E, F, G and H are sitting around a circle, facing the center. A sits fourth to the right of H while second to the left of F. C is not the neighbor of F and B. D sits third to the right of C. H never sits next to G.

Who amongst the following sits between B and D?

Answers

1. G

2. F

3. H

4. A

5. C

45. Choose analogous pair-

Traffic : Road ::

Answers

1. Aeroplane : Aerodrome

2. Roots : Tree

3. Blood : Veins

4. Car : Garage

46. In a certain code language, if Pen means Eraser, Eraser means Book, Book means Scale, Scale means Sharpener, Sharpener means Duster and Duster means Table, then what is the name of the object that is used to clean the black board in that language ?

Answers

1. Duster

2. Sharpner

3. Scale

4. Table

5. Book

47. Find the next in the sequence in the series:

1, 3, 4, 8, 15, 27,\_

Answers

1. 37

2. 44

3. 50

4. 55

48. Which village is to the south-west of village Q?

I. Village P is to the west of village N, which is to the east of village Q.

II. Village W is to the south of village N, which is to the west of village Q.

Answers

1. If the data in statement I alone are sufficient.

2. If the data in statement II alone are sufficient.

3. If the data either in statement I alone or in statement II alone are sufficient.

4. If the data given in both the statements I and II together are not sufficient.

5. If the data in both the statements I and II together are necessary.

49. A, B, C, X, Y, Z are seated in a straight line facing North. C is third to the right of Z and B sits second to the right of C. X sits to the immediate right of A.

Which of the following represents the pairs of persons sitting exactly in the middle of the line?

Answers

1. XB

2. ZB

3. BX

4. XC

5. XY

50. If CERTAIN is coded as XVIGZRM, how can MUNDANE be coded ?

Answers

1. MFMXZMV

2. NFMWZMV

3. NFMWZMX

4. VMZWMFN

5. None of these

51. #include<stdio.h>

int main(void)

{

int a = 0;

for (a = 0; a<10; a++)

{

switch(a++)

{

case 0:a += 5;

case 1:a += 2;

case 5:a += 5;

default: a += 4;

break;

}

printf("%5d", a);

}

printf("\n");

return 0;

}

Answers

1. 16 21

2. 17

3. 16

4. Error

52. PreProcessor replaces EXIT\_SUCCESS symbol with --------

Answers

1. 0

2. 1

3. -1

4. Any integer value randomly

53. #include <stdio.h>

int f(int \*a, int n)

{

if(n <= 0) return 0;

else if(\*a % 2 == 0) return \*a + f(a+1, n-1);

else return \*a - f(a+1, n-1);

}

int main()

{

int a[] = {12, 7, 13, 4, 11, 6};

printf("%d", f(a, 6));

getchar();

return 0;

}

Answers

1. 15

2. 13

3. 12

4. Error

54. Find the output of the following:

int main()

{

float farr[] = {1.1,2.2,3.3,4.4,5.5};

float \*fp = farr+4;

int x ;

printf("%.2f",fp[-(x=sizeof(5.5)-6)]);

return 0;

}

Answers

1. Garbage

2. 4.40

3. 3.30

4. Compile Time Error

55. #include <stdio.h>

int fun(void)

{

int a = 20, b = 48;

a = a + b;

return '48';

}

int main(void)

{

printf("%d", sizeof(fun()));

return 0;

}

Answers

1. 1

2. 4

3. 30

4. 48

56. Find the output of the following:

int main()

{

typedef enum {O1=2 >= 5 != 4 ,O2= !(2 < 5 != 4)} OPR;

OPR choice=0;

do

{

switch(choice)

{

case O1:

--choice;

printf("%2d",choice); break;

case O2:

printf("%2d",choice); break;

}

break;

} while (++choice);

return 0;

}

Answers

1. Compile Time Error

2. 1 0

3. 0

4. 1

57. #include <stdio.h>

int a = 23, b = 36;

void fun(int \*p)

{

\*p = \*p + \*p;

}

int main()

{

int \*p = &a;

p = &b;

fun(p);

printf("a = %d, b = %d\n",a,b);

return 0;

}

Answers

1. a = 23, b = 36

2. a = 46, b = 72

3. a = 23, b = 72

4. Compile time error

58. Find the output of the following:

int fun\_test(int a,int b)

{

a= !a;

b = ~b;

return a,b;

}

int main()

{

int a=4,b=5;

a,b = fun\_test(!a,~b);

printf("%d %d",a,b);

return 0;

}

Answers

1. 0 -5

2. 4 5

3. 5 5

4. 4 4

59. Find the output of the following:

#include<stdio.h>

typedef struct employee

{

int id;

char dept[10];

struct employee \*emplist;

}EMP;

int main()

{

EMP e1={101,"ADMN",NULL};

EMP e2={102,"MRKT",NULL};

EMP e3={103,"TCT",NULL};

EMP e4={104,"SAN",NULL};

e1.emplist = &e2 ;

e2.emplist = &e3;

e3.emplist = &e4;

printf("%d",e1.emplist->emplist->emplist->id);

return 0;

}

Answers

1. 101

2. 102

3. NULL

4. 104

60. Find the output of the following:

int main()

{

int d;

d = printf("Sunbeam") == printf("\rSunBeam") ;

printf("%2d",d);

return 0;

}

Answers

1. Sunbeam 1

2. Sunbeam 0

3. SunBeam 0

4. Sunbeam SunBeam 0

61. What is true about FILE \*fp

Answers

1. FILE is a keyword in C for representing files and fp is a variable of FILE type

2. FILE is structure and fp is poninter to that structure of FILE type

3. FILE is stream

4. None of the above

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

if file contents following data in rivers.txt

Neera Indrayani Venna Koyna

#include <stdio.h>

int main( void )

{

FILE \*fp=NULL;

char c[1024];

fp = fopen("rivers.txt", "r");

fseek(fp, 0, SEEK\_END);

fseek(fp, -9L, SEEK\_CUR);

fgets(c, 5, fp);

puts(c);

return 0;

}

Answers

1. na k

2. na

3. a k

4. nna

63. #include <stdio.h>

int main()

{

int a = 10;

int \*p = &a;

printf("%u\n", \*&\*&p);

return 0;

}

Consider the address of 'a' variable is 3416378588

and address of 'p' pointer is 3416378592

Answers

1. 10

2. 3416378592

3. 3416378588

4. Compile time Error

64. Find the output of the following:

#include<stdio.h>

int main()

{

FILE \*fp = fopen("abc.txt","w+");

int a,b,c;

fprintf(fp,"%d %d %d",10,20,30);

rewind(fp);

printf("%d",fscanf(fp,"%d %d %d",&a,&b,&c));

fclose(fp);

return 0;

}

Answers

1. 10 20 30

2. 3

3. 1

4. -1

65. #include <stdio.h>

int main()

{

int done = 0, i = 0, x = 25;

while(i < 10 && !done )

{

if((x /= 2) > 1)

{

i++;

continue;

}

done++;

}

printf("x = %d\n",x);

return 0;

}

Answers

1. 0

2. 1

3. 12

4. 25

66. Complete graph contains \_\_\_\_\_ no. of edges, if it contains "V" no. of vertices.

Answers

1. (V\*(V+1))/2

2. (V\*(V-1))/2

3. V

4. (V-1)

67. A data structure where elements can be added or removed at either end but not in the middle

Answers

1. Linked lists

2. Stacks

3. Queues

4. Deque

68. Quick sort is also known as ……..

Answers

1. merge sort

2. tree sort

3. shell sort

4. partition and exchange sort

69. The no of external nodes in a full binary tree with n internal nodes is?

Answers

1. n

2. n+1

3. 2n

4. 2n + 1

70. Which type of traversal of binary search tree outputs the value in sorted order?

Answers

1. Pre-order

2. Post-order

3. In-order

4. none of above

71. What data structure would you mostly likely see in a non recursive implementation of a recursive algorithm?

Answers

1. LinkList

2. Stack

3. Queue

4. Tree

72. The worst case occur in quick sort when

Answers

1. Pivot is the middle most element of an array and this happens when input array is sorted or reverse sorted

2. Pivot is the left most element and this happens when input array is sorted or reverse sorted

3. Pivot is the right most element and This happens when input array is sorted or reverse sorted

4. both B and C

73. Where we should declare a function as a friend to a class?

Answers

1. in the header of the friend function outside the class

2. inside the class declaration to which it is a friend

3. as a separate declaration inside main()

4. anywhere prior to the function invocation

74. \_\_\_\_\_\_\_\_\_\_\_ is passed as a hidden argument to all nonstatic member function of class.

Answers

1. virtual pointer

2. static pointer

3. this pointer

4. function pointer

75. What is the output of following code?

#include<iostream>

using namespace std;

class C1 {

public:

void print() { cout <<"\n Inside C1"; }

};

class C2 : public C1 {

public:

void print() { cout <<"\n Inside C2"; }

};

class C3: public C2 { };

int main(void)

{

C3 c;

c.print();

return 0;

}

Answers

1. Inside C1

2. Inside C2

3. Inside C1 Inside C2

4. Inside C2 Inside C1

76. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are used in object-oriented languages that set the accessibility of data members and methods.

Answers

1. Accessor

2. Access specifiers

3. Public

4. Templates

77. Class without name is called as \_\_\_\_\_\_\_\_\_.

Answers

1. Unknown class

2. Anonymous class

3. Empty class

4. Exception class

78. \_\_\_\_\_\_\_\_member function can be called without creating any object.

Answers

1. const

2. empty

3. static

4. virtual

79. An abstract base class is, that have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Answers

1. One or more pure virtual member functions

2. One or more child classes

3. One or more static functions

4. One or more virtual member functions

80. Polymorphism means

Answers

1. Only one form

2. Hiding data

3. Many forms

4. Concrete forms

81. If a base class is inherited in protected mode then which one of following is true?

Answers

1. Public and Protected members of base class becomes protected members of derived class

2. Only protected members become protected members of derived class

3. Private, Protected and Public all members of base, become private of derived class

4. Only private members of base, become private of derived class

82. What is the size of IP Address?

Answers

1. 16 bits

2. 32 bits

3. 48 bits

4. 64 bits

83. Disk Cache is present \_\_\_\_\_.

Answers

1. Into the Main memory

2. Onto the Motherboard

3. Onto the System Bus

4. Into the External disk drive

84. A \_\_\_\_\_ is a device that forwards packets between networks by processing the routing information included in the packet.

Answers

1. Bridge

2. Router

3. Firewall

4. All of the mentioned

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Answers

1. Bridge

2. Router

3. Firewall

4. All of the mentioned

85. In Computer, FTP stands for

Answers

1. File Transfer Protocol

2. Finding Tele Path

3. Finish Tele Program

4. File Transfer Process

86. Which of the following components is not a part of the Modern CPU's?

Answers

1. CPU Registers

2. Cache Memory

3. Main Memory

4. None of the above

87. Cache Memory is used

Answers

1. To reduce speed mismatch between the CPU and Hard Disk Drive

2. To reduce speed mismatch between the CPU and Main memory

3. For execution of a programs

4. For permanent storage

88. Arrangement of computer network nodes and connection between them is called

Answers

1. Network Topology

2. Network Layout

3. both A and B

4. Network Link

89. What is the full form of SCSI?

Answers

1. Standard Computer Systems Interface

2. Small Computer Systems Interface

3. Super Computer Systems Interface

4. Small Computer Standard Interface

90. A set of rules that governs data communication

Answers

1. Protocols

2. Standards

3. RFCs

4. None of the mentioned

91. What is the term for a temporary storage area that compensates for differences in data rate and data flow between devices?

Answers

1. Buffer

2. Bus

3. Channel

4. Modem

92. Semaphore is a/an \_\_\_\_\_\_\_\_\_\_\_\_\_ to solve the critical section problem.

Answers

1. Hardware of the system

2. Special Program of the system

3. Integer Variable

4. None of the mentioned

93. Which of the following is not a filesystem of Windows?

Answers

1. FAT

2. NTFS

3. HFS

4. None of the above

94. Memory Compaction involves

Answers

1. Removing of memory

2. No relocation

3. Static Relocation

4. Dynamic Relocation

95. In which of the following IO technique/s CPU utilization is maximum?

Answers

1. Program Driven IO

2. Interrupt IO

3. DMA

4. All of the above

96. In \_\_\_\_\_ ipc mechanism at a time one process can send message to another process.

Answers

1. message queue

2. pipe

3. socket

4. all of the above

97. Which of the following CPU Scheduling Algorithm/s is/are free from starvation?

Answers

1. SJF

2. Priority

3. Round Robin

4. All of the above

98. \_\_\_\_\_ contains information to control disk operations.

Answers

1. Boot Block

2. Super Block

3. iNode List Block

4. All of the above

99. The heads of the magnetic disk are attached to a \_\_\_\_\_\_\_\_\_\_\_\_ that moves all the heads as a unit.

Answers

1. Disk Arm

2. Spindle

3. Track

4. None of the mentioned

100. In Thrashing

Answers

1. Process is spending less time on paging than executing

2. Process is spending more time on paging than executing

3. Page Fault Occurs

4. Swapping can not take place