Accenture Test 4

Test Summary

- No. of Sections: 4
- No. of Questions: 80
- Total Duration: 80 min

Section 1 - Quantitative

Section Summary

- No. of Questions: 20
- Duration: 20 min

Additional Instructions:

None

Q1. The sum of the two-digit number is 15 and the difference between the digits is 3. What Is the two digit number?

- 69
- 78
- 96
- Cannot Determined

Q2. Condensed milk produced by boiling cow milk , if in condensed milk 20% water and in cow milk 90% is water then how much condensed milk could be produce by 72 lit of cow milk?

- 7
- 9
- 11
- 10

Q3. There are 4 boys and 3 girls. they sit in a row randomly.what is the probability that all girls are together?

- 1/14
- 2/14
- 3/14
- 5/14

Q4. A candle of 6 cm long burns at the rate of 5 cm in 5 hour

and an another candle 8 cm long burns at the rate of 6 cm in 4h.

What is the time required to each candle to remain of equal

lengths after burning for some hours, when they starts to burn

simultaneously with uniform rate of burning?

- 1h
- 1.5h
- 2h
- 3h
- 4h

Q5. There are two types of sugar. One is priced at Rs 62 per kg and the other is priced at Rs 72 per kg. If the two types are mixed together, the price of new mixture will be Rs 64.50 per kg. Find the ratio of the two types of sugar in this new mixture.

- 2:5
- 3:1
- 1:2

2:3

Q6. How many values of c in the Equation x^3-5x+c result in rational roots which are integers?

1

2

4

INFINTY

Q7. When the integer n is divided by 8, the remainder is 3. What is the remainder if 6n is divided by 8?

1

2

3

4

Q8. there is a cask full of milk. E litres of milk are drawn from the cask and replaced with water. this process is repeated. now ratio of milk and water is 16:9. what is the capacity of the cask in litres?

E+9

5E

9E

Cannot be determined

Q9. A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half. The number of pupils in the class is?

47

44

39

40

Q10. if v,w,x,y,z are non negative integer, each less than 11,then how many distinct combinations(w,v,x,y,z) satisfy v(11^4)+w(11^3)+x(11^2)+y(11)+z=151001.

146409

12378

12345

46790

Q11. The mean weight of a group of seven boys is 56 kg. The individual weights (in kg) of six of them are 52, 57, 55, 60, 59 and 55. Find the weight of the seventh boy?

52

53

54

56

Q12. A sum of Rs. 12,500 amounts to Rs. 15.500 in a 4 years at the rate of Simple Interest .what Is the rated merest per annum?

3%

4%

5%

6%

Q13. Three persons A,B and C rent the grazing of the park for Rs 570. A put 126 oxen in the park for 3 months, B puts in 162 oxen in the park for 5 months and C puts in 216 oxen in the park for 4 months. What part of rent should B pay?

200

225

250

223.3

Q14. Sachin can cover a distance in 1hr 24 min by covering 2/3 of

the distance at 4 kmph and the rest at 5 kmph.

The total distance is?

5km

6km

7km

8km

Q15. 40 kg of an alloy mixed with 100 kg of alloy B. If alloy A has lead and copper in the ratio 3:2 and alloy B has copper and tin in the ratio 1:3., then the amount

41

55

35

50

Q16. A dishonest shopkeeper mixed cheaper quality of rice, priced at Rs. 10 / KG with good quality rice, priced at Rs. 25 / KG and sells the mixture at Rs. 15 / KG. Fi

2:1

1:2

2;3

1:3

Q17. Dr. Ashwani Dolke, Joint Director is organizing 5 days programme on

Research Methodology. The total number of participants is 60 and the

fee per participant is Rs.7,000.

IF THE PROGRAM IS ORGANISED IN HOTEL TAJ

IF THE PROGRAM IS ORGANISED IN HOTEL SIDEWAYS

IF THE PROGRAM IS ORGANISED IN HOTEL RITZ

IF THE PROGRAM IS ORGANISED IN HOTEL SAUSY

DATA INADEQUATE

Q18. Dr. (Mrs.) Saroj Rao, Deputy Director of the Institute wants to organize a programme for 55 candidates with a fee of Rs.6,000 per participant, the duration of the course is 4 days and it is in the area of Computers.

- IF THE PROGRAM IS TO BE ORGANISED IN THE HOTEL TAJ
- IF THE PROGRAM IS TO BE ORGANISED IN THE HOTEL SIDEWAYS
- IF THE PROGRAM IS TO BE ORGANISED IN THE HOTEL RITZ
- IF THE PROGRAM IS TO BE ORGANISED IN THE HOTEL SAUSY
- DATA INADEQUATE

Q19. The greatest number which is dividing 1657 and 2037. leaves remainders 6 and 5 respectively. Is:

- 123
- 127
- 235
- 305

Q20. An observer 1.6 m tall Is 20 root 3 m away from a tower. The angle et elevation from his eye to the top of the tower is 30°. The height of the tower is

- 21.6m
- 23.3m
- 24.72
- None of these

Section 2 - Reasoning

Section Summary

- No. of Questions: 20
- Duration: 20 min

Additional Instructions:

None

Q1. If you don’t save money you will not get reward.
(i) You saved money
(ii) you didn’t save money
(iii) you got reward
(iv) you didn’t get reward

- (i) and (iv)
- (ii) and (iii)
- (iv) and (i)
- none

Q2. Select the right option from the given alternatives
My friend and I started simultaneously towards each other from two places 100 m apart. After walking 30 m my friend turned left and went 10 m., then he turned right and went 20 m, then he turned right again and came back on the road on which he had started walking. If we both walked with the same speed, what is the distance between us at that point of time.

- South
- East
- West
- North

Q3. The following are the criteria for organizing the Training Programme of an Institute in different hotels.

To organize the programme in Hotel Taj, the following criteria must be fulfilled.

A. The programme coordinator should be of the rank of Deputy Director or Joint Director

B. The programme should be in one of these areas – HRD, Advertising, Computers or Statistics

C. The duration of a programme should not be more than 7 days

D. The fee per participant should be not less than Rs.5,000

E. The number of participants should be at least 50

If all other criteria are fulfilled except

I. The duration of the course is more than 7 days the programme is to be organized in Hotel Ritz

II. The programme coordinator is of the rank of Assistant Director, but the fee per participant is more than Rs.7,000, the programme will be organized in Hotel Ta

III. The number of participants being less than 50 but more than 30, the programme will be organized in Hotel Sideways

IV. The fee per participant is less than Rs.5,000 but more than Rs.3,500, the programme should be organized in Hotel Sausy

V. The programme is in other than the area mentioned in B above, but the programme coordinator is of the Joint Director level, the programme should be organized i

Based on the above criteria and the information provided in each of the questions, decide about the appropriate course of action. You are not to assume anything o

Nikhil Mukesh, Joint Director, is an expert on Computers. He is offering

5 days' programme on Mathematics for 60 participants.

The fee per participant is Rs.5,300.

- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL TAJ
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SIDEWAYS
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL RITZ
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SAUSY
- DATA INADEQUATE

Q4. In this question, five words have been given, out of which four are alike in some manner and the fifth one is different. Choose out the odd one?

- (i) and (iv)
- (ii) and (iii)
- (iv) and (i)
- none

Q5. A drives 10 km towards east and turns to the right hand and drives 3 km. Then he drives towards west (turning at his right) 3 km. He then turns to his left and drives 2 km. Finally he turns to his right and travels 7 km. How far is he from his starting point and in which direction would he be?

- 7 kms
- 6 kms
- 5 kms
- 4 kms

Q6. If A + B means A is the brother of B; A % B means A is the

father of B and A x B means A is the sister of B.

Which of the following means M is the uncle of P?

- M+ S %R % P
- M%N x P
- N x P % M
- M+ K % T x P

Q7. The following are the criteria for organizing the Training Programme of an Institute in different hotels.

To organize the programme in Hotel Taj, the following criteria must be fulfilled.

A. The programme coordinator should be of the rank of Deputy Director or Joint Director

B. The programme should be in one of these areas – HRD, Advertising, Computers or Statistics

C. The duration of a programme should not be more than 7 days

D. The fee per participant should be not less than Rs.5,000

E. The number of participants should be at least 50

If all other criteria are fulfilled except

I. The duration of the course is more than 7 days the programme is to be organized in Hotel Ritz

II. The programme coordinator is of the rank of Assistant Director, but the fee per participant is more than Rs.7,000, the programme will be organized in Hotel Ta

III. The number of participants being less than 50 but more than 30, the programme will be organized in Hotel Sideways

IV. The fee per participant is less than Rs.5,000 but more than Rs.3,500, the programme should be organized in Hotel Sausy

V. The programme is in other than the area mentioned in B above, but the programme coordinator is of the Joint Director level, the programme should be organized i

Based on the above criteria and the information provided in each of the questions, decide about the appropriate course of action. You are not to assume anything o

A training programme on Statistics is proposed by the Deputy Director

with a fee of Rs,3,30,000 for 50 participants.

The duration will be 8 days.

- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL TAJ
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SIDEWAYS
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL RITZ
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SAUSY
- DATA INADEQUATE

Q8. Pointing to a man ,Shailesh
said "his father is the only son
of my father". How is Shailesh related to man?

- FATHER
- BROTHER
- SON
- NEPHEW

Q9. In this question, five words have been given, out of which four are alike in some manner and the fifth one is different. Choose out the odd one?

- (i) and (iv)
- (ii) and (iv)
- (iv) and (i)
- none

Q10. Prajakta moves towards South-East a distance of 70 km, then she moves towards West and travels a distance of 140 km. From here she moves towards North-West a distance of 70 km and finally she moves a distance of 40 km towards east.
How far is she now from the starting point?

- 2
- 3
- 5
- 8

Q11. Directions for Q: Study the following information to answer the questions.

The following are the criteria for organizing the Training Programme of

an Institute in different hotels.

The organize the programme in Hotel Taj, the following criteria must be

fulfilled.

A. The programme coordinator should be of the rank of Deputy Director or

Joint Director

B. The programme should be in one of these areas – HRD, Advertising,

Computers or Statistics

C. The duration of a programme should not be more than 7 days

D. The fee per participant should be not less than Rs.5,000

E. The number of participants should be at least 50

If all other criteria are fulfilled except

I.the duration of the course is more than 7 days the programme is

to be organized in Hotel Ritz

II. the programme coordinator is of the rank of Assistant Director,

but the fee per participant is more than Rs.7,000, the programme will

be organized in Hotel Taj.

III.the number of participants being less than 50 but more than 30,

the programme will be organized in Hotel Sideways

IV.the fee per participant is less than Rs.5,000 but more than Rs.3,500,

the programme should be organized in Hotel Sausy

V.the programme is in other than the area mentioned in B above,

but the programme coordinator is of the Joint Director level,

the programme should be organized in Hotel Sideways.

Based on the above criteria and the information provided in each of

the questions, decide about the appropriate course of action.

You are not to assume anything on your own. Give answer as

1. If the programme is to be organized in Hotel Taj

2. If the programme is to be organized in Hotel Sideways

3. If the programme is to be organized in Hotel Ritz

4. If the programme is to be organized in Hotel Sausy

5. If the data is inadequate

A 5 days’ training programme for 55 participants is to be organized

by Shri Jacob Singh, the Assistant Director.

The fee per participant is Rs.8,000.

- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL TAJ
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SIDEWAYS
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL RITZ
- IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SAUSY
- DATA INADEQUATE

Q12. A's son B is married to C whose sister D is married to E

the brother of B. How D is related to A?

- Sister
- Daughter-in-law
- Sister-in-law
- Cousin

Q13. Pointing a photograph X said to his friend Y, "She is the

only daughter of the father of my mother."

How is X related to the person of the photograph?

- SON
- NEPHEW
- DAUGHTER
- CANNOT BE DETERMINED

Q14. A drives 10 km towards east and turns to the right hand and drives 3 km. Then he drives towards west (turning at his right) 3 km. He then turns to his left and drives 2 km. Finally he turns to his right and travels 7 km. How far is he from his starting point and in which direction would he be?

7 kms

6 kms

5 kms

4 kms

Q15. If JOSEPH is coded as FKOALD, then GEORGE will be coded as :

HAKNCA

CBKNCA

CALNCA

CAKNCA

Q16. In a certain code IMTITJU is written as TMIIUJT. How is TEMREMP written in that code?

METERPM

METRPME

ETRMMEP

MTERPME

Q17. Unless you study, you can not crack CAT (i) you cracked CAT
(ii) You could not crack CAT
(iii) You did study
(iv) you didn't study

(i) and (ii)

(ii) and (iv)

(i) and (iii)

none

Q18. One morning, Manish and Ali were talking to each other face to face at a crossing. If Ali's shadow was exactly to the left of Manish, which direction was Manish facing?

north

South

East

North-West

Q19. If South-East becomes North, North-East becomes West and so on. What will West become?

North-East

North-West

South-East

South-West

Q20. In this question, five words have been given, out of which four are alike in some manner and the fifth one is different. Choose out the odd one?

(i) and (iv)

(ii) and (iv)

(iii) and (i)

none

Section 3 - Verbal

Section Summary

- No. of Questions: 20
- Duration: 20 min

Additional Instructions:

None

Q1. Work A as quick B as you C can but D as carefully as possible when you take the test. E No error.

- A
- B
- C
- D
- E

Q2. Select the word or phrase which best expresses the meaning of the given word. : VENT

- OPENING
- END
- STODGY
- PAST TENSE OF GO

Q3. Select the word which is same in the meaning of the given word: GLUT

- Kindness
- **Overflow**
- impious
- pious

Q4. In the question a part of the sentence is italicised. Alternatives to the italicised part is given which may improve the construction of the sentence. Select the

- who are living in communities
- living among a communities
- who lives with a communities
- no improvement needed

Q5. TINY

- minimal
- small
- gigantic
- little

Q6. In the question a part of the sentence is italicised. Alternatives to the italicised part is given which may improve the construction of the sentence. Select the

- had known
- was knowing

have known

no improvement needed

Q7. I want you to clearly understand that excuses won't do.

NO CHANGE

USED

PREPARED

TRAINED

Q8. Symptoms of this illness A that warrant a doctor visit B includes fever, C vomiting, and diarrhea, as well as the D loss of appetite. E No error

A

B

C

D

E

Q9. His father won't be able to leave for Varnasi until they have arrived.

UNTIL THEY ARRIVE

UNTIL THEY WILL HAVE ARRIVED

UNTILL THEY ARRIVED

NO IMPROVEMENT

Q10. Select the word or phrase which best expresses the meaning of the given word: GERMINATE

Decay

Breed

Produce

Sprout

Q11. Select the word or phrase which best expresses the meaning of the given word: BAFFLE

indifferent

defy

differ

postpone

Q12. VULNERABLE

VISIBLE

VICTORIOUS

UNSAFE

VOLUBLE

Q13. They A had went to the lake B without me C by the time D I got there,”
said Jacques. E No error.

A

B

C

D

E

Q14. No one could explain how a calm and balanced person like him could
penetrate such a mindless act on his friends.

PERPETUATE

PERPETRATE

PRECIPITATE

NO IMPROVEMENT

Q15. Select the word which is same in the meaning of the given
word: EXTROVERT

growl

proficient

forceful

request

Q16. In the question a part of the sentence is italicised. Alternatives to the italicised part is given which may improve the construction of the sentence. Select the

into crushing

in crushing

without crushing

no improvement needed

Q17. Select the word or phrase which best expresses the meaning of the given word. :

RECKLESS

RASH

BOLD

COURAGENESS

DARING

Q18. REVEAL

DEVOKE

RECLOSE

ENDROSE

EXPOSE

Q19. Select the word or phrase which best expresses the meaning of the given word. :

ADMONISH

- PUNISH
- CURSE
- DISMISS
- REPRIMAND

Q20. INDIFFERENCE

- SYMPATHY
- COURTESY
- LOYALTY
- EMPATHY

Section 4 - Coding

Section Summary

- No. of Questions: 20
- Duration: 20 min

Additional Instructions:

None

Q1. Which of following is not accepted in C?

- static a = 10; //static as
- static int func (int); //parameter as static
- static static int a; //a static variable prefixed with static
- All of the mentioned

Q2. Which of the following cannot be a variable name in C?

- Volatile
- True
- friend
- export

Q3. What is the output of this C code?

```
int x = 0;
void main()
{
int *const ptr = &x;
printf("%p\n", ptr);
ptr++;
printf("%p\n ", ptr);
}
```

- 0 1
- Compile time error
- 0xbfd605e8 0xbfd605ec

0xbfd605e8 0xbfd605e8

Q4. The first and second arguments of fopen are?

- A character string containing the name of the file & the second argument is the mode.
- A character string containing the name of the user & the second argument is the mode.
- A character string containing file poniter & the second argument is the mode.
- None of the mentioned of the mentioned.

Q5. The #include directive

- Tells the preprocessor to grab the text of a file and place it directly into the current file
- Statements are typically placed at the top of a program
- both a & b
- None of a & b

Q6. What is the output of this C code?

```
  void main()
{
     unsigned int x = -5;
   printf("%d", x);
}
```

- Run time error
- Varies
- -5
- 5

Q7. What is the output of this C code?

```
typedef struct p
{
int x, y;
}k;
int main()
{
struct p p = {1, 2};
k k1 = p;
printf("%d\n", k1.x);
}
```

- Compile time error
- 1
- 0
- Depends on the standard

Q8. What is the output of this C code?

```
void main()
{
char *p = calloc(100, 1);
p = "welcome";
printf("%s\n", p);
}
```

- Segmentation fault
- garbage
- Error
- welcome

Q9. What is the use of putchar()?

The character written

EOF is an error occurs

Nothing

Both a & b

Q10. What is the output of this C code?

```
int main()
{
const int a;
a = 32;
printf("a is %d", a);
return 0;
}
```

a is 32

Compile time error

Run time error

None

Q11. What is the worst case time complexity for search, insert and delete operations in a general Binary Search Tree?

O(n) for all

O(Logn) for all

O(Logn) for search and insert, and O(n) for delete

O(Logn) for search, and O(n) for insert and delete

Q12. If row-major order is used, how is the following matrix stored in memory?

a b c
d e f
g h i

ihgfedcba

abcdefghi

cfibehadg

adgbehcfi

Q13. What is the time complexity for converting decimal to binary numbers?

O(1)

O(n)

O(logn)

O(nlogn)

Q14. Consider the 3×3 matrix {{2,1,-3},{6,3,4},{-2,3,0}}. What is the sum of the elements of the maximum sum rectangle?

14

13

16

19

Q15. What is the output of the following code?

```
void my_recursive_function(int n)
{
```

```
  if(n == 0)
  return;
  printf("%d ",n);
  my_recursive_function(n-1);
}
int main()
{
  my_recursive_function(10);
  return 0;
}
```

- 10
- 1
- 10 9 8 … 1 0
- 10 9 8 … 1

Q16. You are given infinite coins of denominations 1, 3, 4. What is the total number of ways in which a sum of 7 can be achieved using these coins if the order of the coins is not important?

- 4
- 5
- 3
- 6

Q17. . Given, arr = {1,3,5,6,7,9,14,15,17,19} key = 17 and delta = {5,3,1,0} How many key comparisons are made?(exclude the comparison used to decide the left or right sub array)

- 4
- 3
- 5
- 6

Q18. Which of the following sorting algorithms can be used to sort a random linked list with minimum time complexity?

- Insertion Sort
- Quick Sort
- Heap Sort
- Merge Sort

Q19. Choose the code snippet which inserts a node to the head of the list?

```
public void insertHead(int data)
{
Node temp = new Node(data);
Node cur = head;
            while(cur.getNext() != head)
cur = cur.getNext()
if(head == null)
{
head = temp;
head.setNext(head);
}
else
{
temp.setNext(head);
head = temp;
cur.setNext(temp);
}
size++;
}
```

```
public void insertHead(int data)
{
Node temp = new Node(data);
while(cur != head)
cur = cur.getNext()
if(head == null)
{
head = temp;
head.setNext(head);
}
else
{
temp.setNext(head.getNext());
cur.setNext(temp);
}
size++;
}
```

```
public void insertHead(int data)
{
Node temp = new Node(data);
if(head == null)
{
head = temp;
head.setNext(head);
}
else
{
temp.setNext(head.getNext());
head = temp;
}
size++;
}
```

```
public void insertHead(int data)
{
Node temp = new Node(data);
if(head == null)
{
head = temp;
head.setNext(head.getNext());
}
else
{
temp.setNext(head.getNext());
head = temp;
}
size++;
}
```

Q20. Select the appropriate code which reverses a word.

```
public String reverse(String input)
{
for (int i = 0; i < input.length(); i++)
{
stk.push(input.charAt(i));
}
String rev = "";
while (!stk.isEmpty())
{
rev = rev + stk.peek();
}
return rev;
}
```

```
public String reverse(String input)
{
for (int i = 0; i < input.length(); i++)
{
stk.push(input.charAt(i));
}
String rev = "";
while (!stk.isEmpty())
{
rev = rev + stk.pop();
}
return rev;
}
```

```
public String reverse(String input)
{
for (int i = 0; i < input.length(); i++)
{
stk.push(input.charAt(i));
}
String rev = "";
while (!stk.isEmpty())
{
rev = rev + stk.pop();
}
}
```

```
public String reverse(String input)
{
for (int i = 0; i < input.length(); i++)
{
stk.push(input.charAt(i));
}
String rev = "";
while (!stk.isEmpty())
{
rev = rev + stk.pop();
stk.pop();
}
return rev;
}
```

Answer Key & Solution

Section 1 - Quantitative

Q1

Cannot Determined

Solution

No Solution

Q2

9

Solution

No Solution

Q3

2/14

Solution

No Solution

Q4

2h

Solution

No Solution

Q5

3:1

Solution

No Solution

Q6

INFINTY

Solution

No Solution

Q7

2

Solution

No Solution

Q8

5E

Solution

No Solution

Q9

40

Solution

No Solution

Q10

146409

Solution

151001 / 11^4 = 10 with remainder = 4591

4591 / 11^3 = 3 with remainder = 598

598 / 11^2 = 4 with remainder = 114

114 / 11^1 = 10 with remainder = 4

Therefore 151001=10(11^4)+3(11^3)+4(11^2)+10(11^1)+4

i.e., (v,w,x,y,z) is (10,3,4,10,4). These values satisfies given conditions and is one valid option.

Let's analyze if further option available satisfying the given condition. v,w,x,y,z should be less than 11 and greater than zero. The solution we got has v as 10. Suppose v=9.
With this, the maximum value possible under the given constraints is
9(11^4)+10(11^3)+10(11^2)+10(11^1)+10=146409

)11 54

Solution

No Solution

)12 6%

Solution

No Solution

)13 225

Solution

No Solution

)14 6km

Solution

No Solution

)15 41

Solution

No Solution

)16 2:1

Solution

No Solution

)17 IF THE PROGRAM IS ORGANISED IN HOTEL TAJ

Solution

No Solution

)18 DATA INADEQUATE

Solution

No Solution

)19 127

Solution

No Solution

)20 21.6m

Solution

No Solution

Section 2 - Reasoning

)1 (iv) and (i)

Solution

No Solution

Q2 South

Solution

No Solution

Q3 IF THE PROGRAM IS TO BE ORGANISED IN HOTEL SIDEWAYS

Solution

No Solution

Q4 (iv) and (i)

Solution

No Solution

Q5 7 kms

Solution

No Solution

Q6 M+ K % T x P

Solution

No Solution

Q7 IF THE PROGRAM IS TO BE ORGANISED IN HOTEL RITZ

Solution

No Solution

Q8 FATHER

Solution

No Solution

Q9 (i) and (iv)

Solution

No Solution

Q10 2

Solution

No Solution

Q11 DATA INADEQUATE

Solution

No Solution

Q12 Daughter-in-law

Solution

No Solution

Q13 SON

Solution

No Solution

)14

7 kms

Solution

No Solution

)15

CAKNCA

Solution

No Solution

)16

METRPME

Solution

No Solution

)17

(ii) and (iv)

Solution

No Solution

)18

North-West

Solution

No Solution

)19

South-East

Solution

No Solution

)20

(i) and (iv)

Solution

No Solution

Section 3 - Verbal

)1

B

Solution

No Solution

)2

OPENING

Solution

No Solution

)3

Overflow

Solution

No Solution

)4

no improvement needed

Solution

No Solution

)5

gigantic

Solution

No Solution

)6

had known

Solution

No Solution

)7 NO CHANGE

Solution

No Solution

)8 A

Solution

No Solution

)9 UNTIL THEY WILL HAVE ARRIVED

Solution

No Solution

)10 Sprout

Solution

No Solution

)11 postpone

Solution

No Solution

)12 VISIBLE

Solution

No Solution

)13 B

Solution

No Solution

)14 PERPETUATE

Solution

No Solution

)15 growl

Solution

No Solution

)16 in crushing

Solution

No Solution

)17 RASH

Solution

No Solution

)18 ENDROSE

Solution

No Solution

)19 REPRIMAND

Solution

No Solution

)20 EMPATHY

Solution

No Solution

Section 4 - Coding

)1 static static int a; //a static variable prefixed with static

Solution

No Solution

)2 Volatile

Solution

volatile is C keyword.

)3 Compile time error

Solution

No Solution

)4 A character string containing the name of the file & the second argument is the mode.

Solution

No Solution

)5 both a & b

Solution

Explanation:

The #include directive tells the preprocessor to grab the text of a file and place it directly into the current file and are statements are typically placed at the top of a program

)6 -5

Solution

No Solution

)7 1

Solution

No Solution

)8 welcome

Solution

No Solution

)9 Both a & b

Solution

No Solution

)10 Compile time error

Solution

Explanation:

Since the constant variable has to be declared and defined at the same time, not doing it results in an error

}11 O(n) for all

Solution

No Solution

}12 abcdefghi

Solution

No Solution

}13 O(logn)

Solution

No Solution

}14 14

Solution

No Solution

}15 10 9 8 … 1

Solution

No Solution

}16 5

Solution

No Solution

}17 3

Solution

No Solution

}18 Merge Sort

Solution

No Solution

}19

```
  public void insertHead(int data)
{
Node temp = new Node(data);
Node cur = head;
            while(cur.getNext() != head)
cur = cur.getNext()
if(head == null)
{
head = temp;
head.setNext(head);
}
else
{
temp.setNext(head);
head = temp;
cur.setNext(temp);
```

```
}
size++;
}
```

Solution

No Solution

```
}20
public String reverse(String input)
{
for (int i = 0; i < input.length(); i++)
{
stk.push(input.charAt(i));
}
String rev = "";
while (!stk.isEmpty())
{
rev = rev + stk.pop();
}
return rev;
}
```

Solution

No Solution