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CS401 Quiz File

6/7/2023 10:36:29 PM

1) Stack is:

Select the correct option

- A. a procedure
- B. a data structure
- C. an algorithm
- D. both algorithm and data structure

2) In XOR operation, the output is 1 if both inputs are _____.

Select the correct option

- A. true
- B. false
- C. same
- D. different

3) If $AX=00FF$, then which of the following instruction can be used to change the value of AX to $FF00$?

Select the correct option

A. XOR AX, AX

B. OR AX, AX

C. AND AX, FF00

D. NOT AX

4) There are _____ forms of the DIV instruction.

Select the correct option

A. Two

B. Three

C. One

D. Four

5) _____ subtracts one from the operand.

Select the correct option

A. Shift

B. Modulus

C. MEC

D. DEC

6) _____ decrements SP (the stack pointer) by two, and then transfers a word from the source operand to the top of the stack.

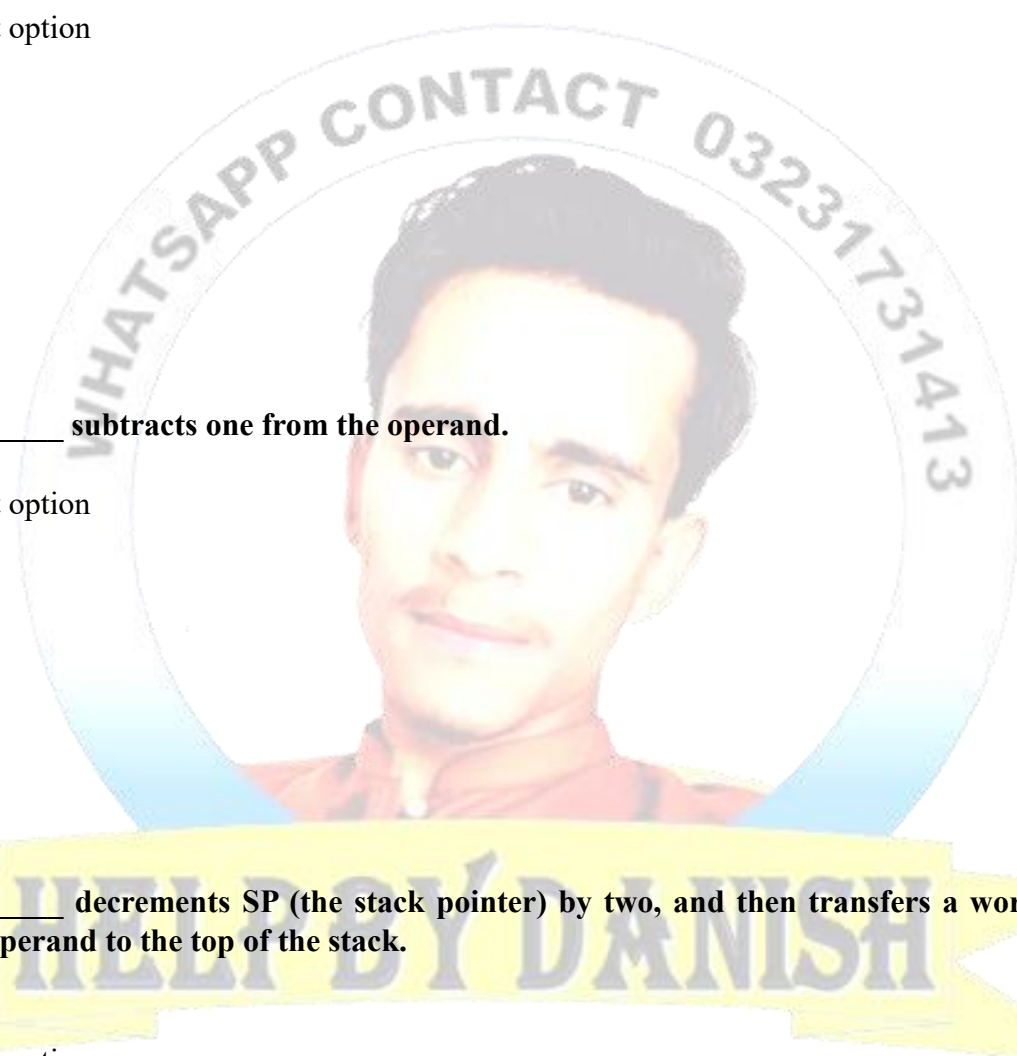
Select the correct option

A. PUSH

B. RET

C. CALL

D. POP



7) The operand of _____ is called the source operand because the data moves to the stack from the operand.

Select the correct option

A. **PUSH**

B. POP

C. RET

D. CALL

8) XOR can also be used as a _____ to invert selective bits.

Select the correct option

A. destination operand

B. **masking operator**

C. multiplication operator

D. source operand

9) To convert the case of a character, we add or subtract _____ from its ASCII code.

Select the correct option

A. 0x10

B. 0x41

C. **0x20**

D. 0x30

10) Which combination will you prefer to obtain the physical address of the stack?

Select the correct option

- A. SP:SI
- B. SS:SI
- C. SP:DI
- D. **SS:SP**

11) To convert the case of a character, we add or subtract _____ from its ASCII code.

Select the correct option

- A. 0x41
- B. **0x20**
- C. 0x30
- D. 0x10

12) Which of the following is the correct instruction for NOT operation?

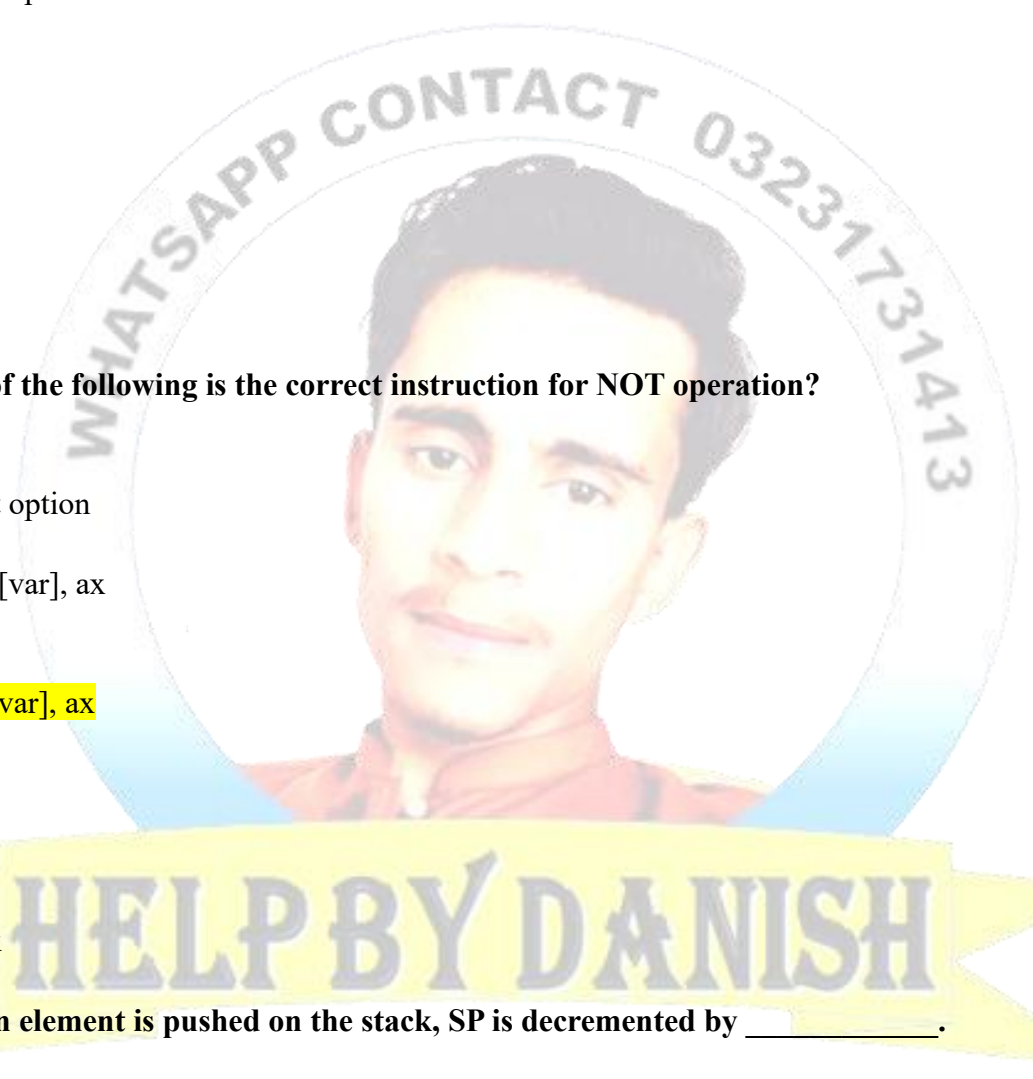
Select the correct option

- A. not word [var], ax
- B. **not byte [var], ax**
- C. not bx
- D. not ax, bx

13) When an element is pushed on the stack, SP is decremented by _____.

Select the correct option

- A. **two**
- B. five
- C. three
- D. four



14) The execution of the instruction "mov word [ES:160], 0x1230" will print a character on screen at the _____ column of the _____ row.

Select the correct option

- A. second, first
- B. second, second
- C. first, third
- D. first, second

15) The multiplier is stored in _____ bits in Extended Multiplication.

Select the correct option

- A. 32
- B. 64
- C. 16
- D. 8

16) Call instruction takes _____ argument(s).

Select the correct option

- A. 0
- B. 2
- C. 1
- D. 3

17) REPZ repeats the following instruction while the _____.

Select the correct option

- A. ZF is not set
- B. ZF is set



- C. Direction Flag is set
- D. Direction Flag is not set

18) The operand of _____ is called the source operand because the data moves to the stack from the operand.

Select the correct option

- A. POP
- B. **PUSH**
- C. CALL
- D. RET

19) Which of the following are the two variants of STOS instruction?

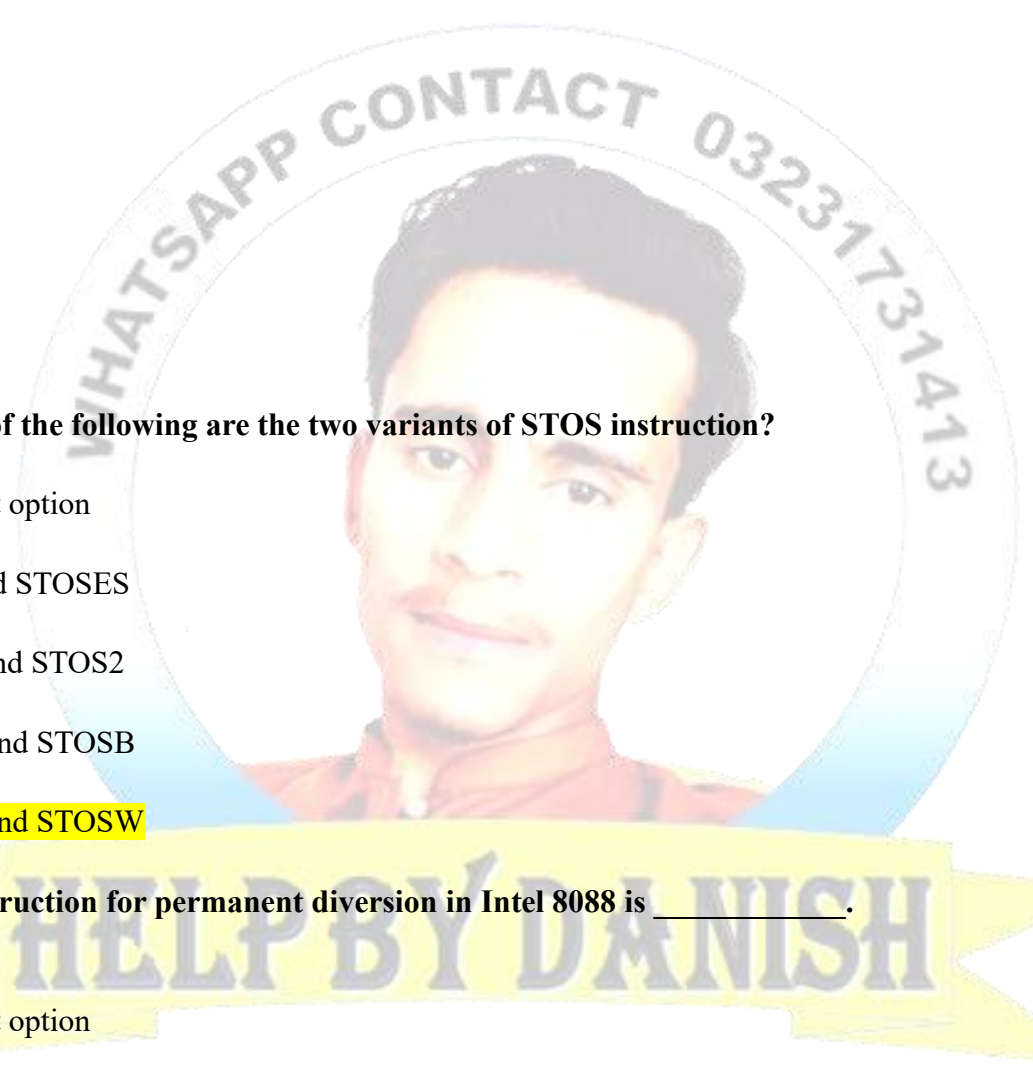
Select the correct option

- A. STOS and STOSes
- B. STOS1 and STOS2
- C. STOSA and STOSB
- D. **STOSB and STOSW**

20) The instruction for permanent diversion in Intel 8088 is _____.

Select the correct option

- A. call
- B. mov
- C. ret



D. **jmp**

In a video memory, each screen location corresponds to _____ byte(s).

Select the correct option

A. eight

B. two

C. **one**

D. four

21) Which of the following is the number of operands for ADC (Add with Carry) instruction?

Select the correct option

A. 4

B. 3

C. **2**

D. 1

22) Which bit of the attribute byte represents the blue component of foreground color?

Select the correct option

A. 2

B. **0**

C. 3

D. 1

23) The total number of symbols in extended ASCII are _____.

Select the correct option

A. 256

B. 64

C. 512

D. 128

24) Call instruction changes the values of _____ and _____ registers.

Select the correct option

A. IP, AL

B. IP, AX

C. IP, DX

D. IP, SP

25) The unit of stack operations in iAPX88 is a _____.

Select the correct option

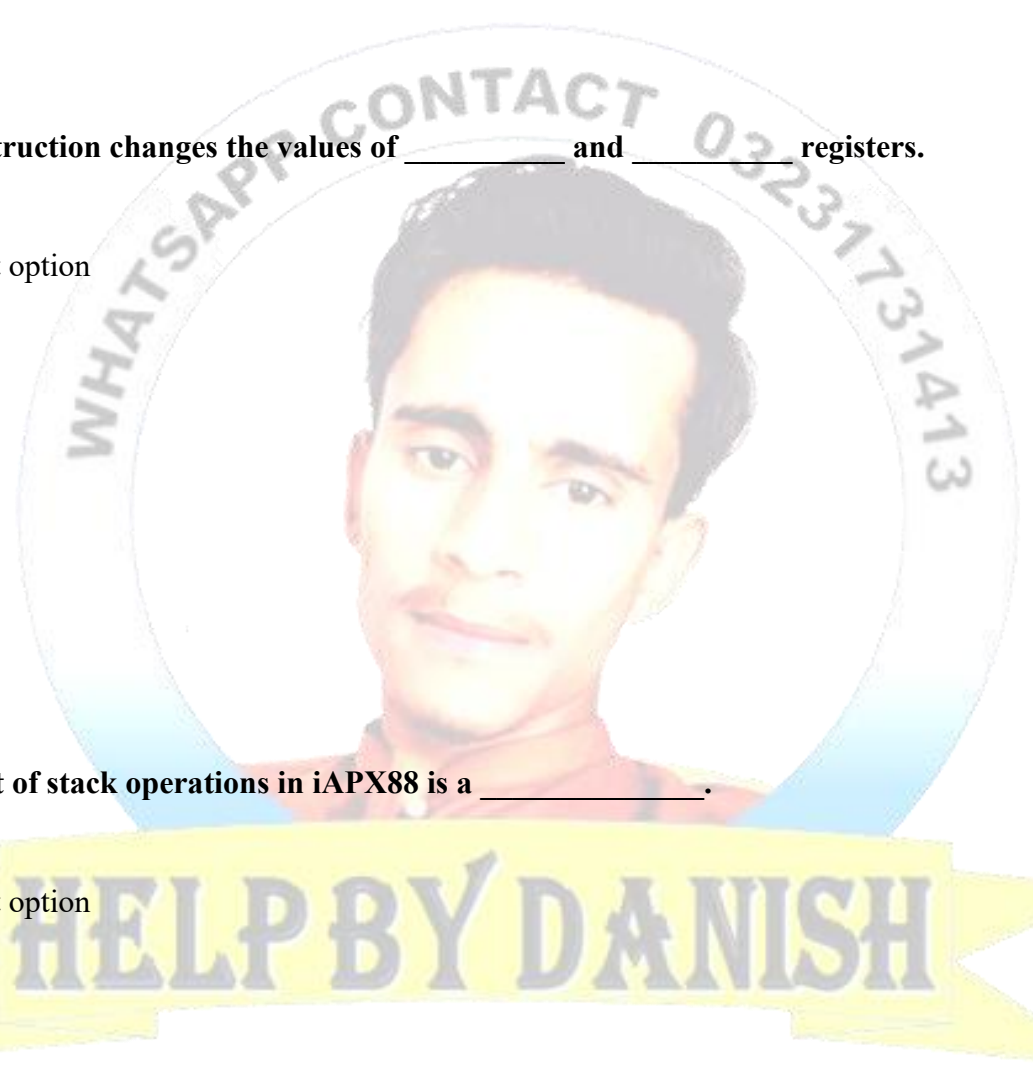
A. bit

B. word

C. double word

D. byte

26) SCAS compares a source in accumulator register with the _____ string element addressed by ES:DI and updates the flags.



Select the correct option

- A. destination
- B. source
- C. flags
- D. register

27) Which of the following will be the result of left shifting 9C40 once?

Select the correct option

- A. 3881
- B. 1388
- C. 3880
- D. 3882

28) ASCII stands for _____.

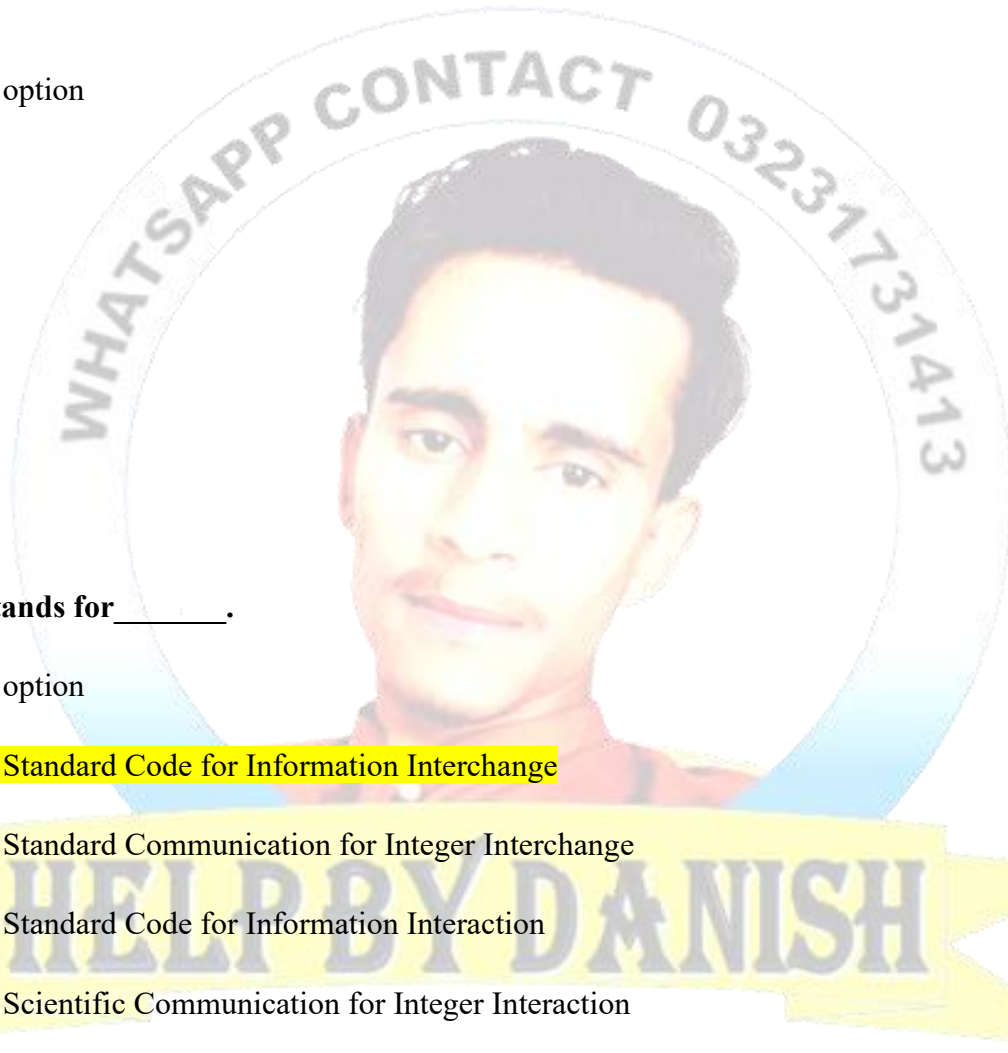
Select the correct option

- A. American Standard Code for Information Interchange
- B. American Standard Communication for Integer Interchange
- C. American Standard Code for Information Interaction
- D. American Scientific Communication for Integer Interaction

29) In 8051, there is an _____ stack.

Select the correct option

- A. semi-automatic
- B. incrementing
- C. decrementing
- D. stagnant



30) Which of the following formulae calculates the desired location on the screen?

Select the correct option

A. $\text{location} = (\text{colmunno} * 80 + \text{rowno}) * 2,$

B. $\text{location} = (\text{rowno} * 80 + \text{columnno}) * 2,$

C. $\text{location} = (\text{rowno} * 80 + \text{columnno}) * 6,$

D. $\text{location} = (\text{rowno} * 80 + \text{columnno}) * 8$

31) REPE or REPNE are used with the _____ instruction.

Select the correct option

A. MOVS

B. CALL

C. SCAS

D. ADD

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Total Marks: 1

32) Stack is a data structure that behaves in _____ manner.

Select the correct option

A. FIFO

B. LIFO

C. Both LIFO and FIFO

D. LILO

33) Which of the following is also called intra-segment call?

Select the correct option

A. Long call

B. Short call

C. Near call

D. Far call

34) In which of the following forms, a character is stored in memory while writing assembly language programs?

Select the correct option

A. Parity code

B. Octal code

C. ASCII code

D. Scan code

35) After the execution of STOSB and STOSW, the CX register will be _____ by _____.

Select the correct option

A. decremented, 1

B. incremented, 1

C. incremented, 2

D. decremented, 2

36) In assembly language, "DIV BL" instruction has a/an _____ bit operand.

Select the correct option

A. 8

B. 64

C. 16

D. 32

37) In video memory, each screen location corresponds to _____ bytes.

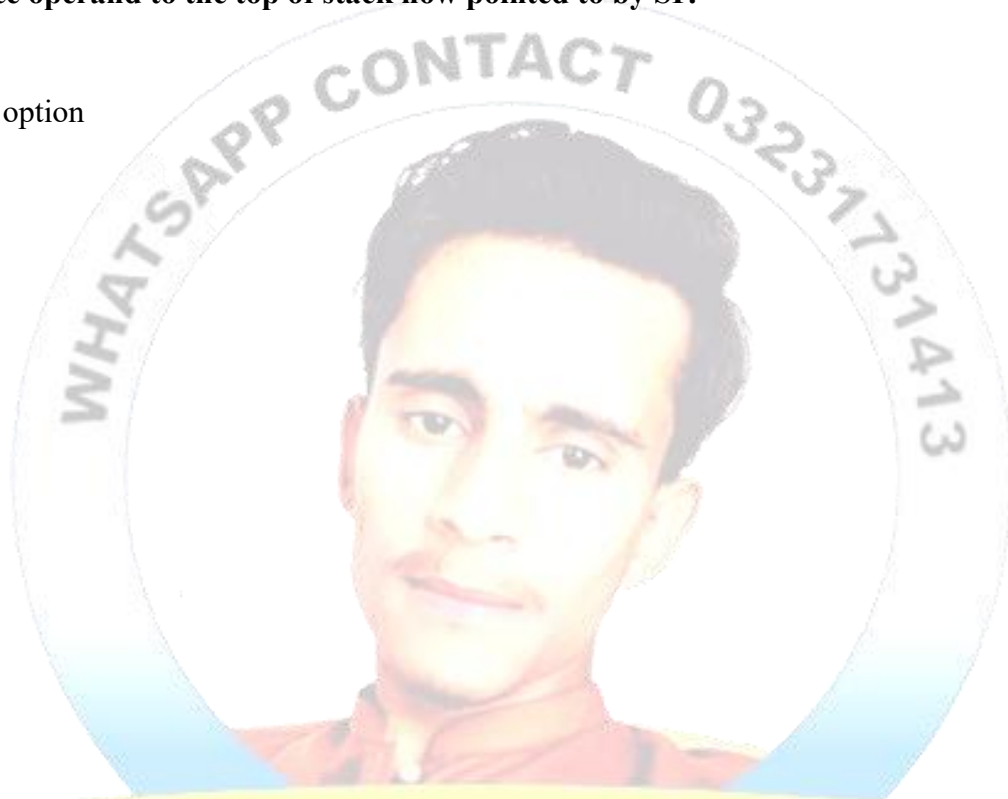
Select the correct option

- A. 1
- B. 2
- C. 4
- D. 8

38) _____ function decrements SP (the stack pointer) by two, and then transfers a word from the source operand to the top of stack now pointed to by SP.

Select the correct option

- A. PUSH
- B. ADD
- C. POP
- D. RET



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