# **General Aptitude**

1.	Ravi had younger brother who taught at university. He was widely regarded as honorable man. Select the option with the correct sequence of articles to fill in the blanks.  Options:-  A. a; a; an  B. the; an; a  C. a; an; a  D. an; an; a
	D. an; an; a

### Correct answer:- A

 The CEO's decision to downsize the workforce was considered myopic because it sacrificed long-term stability to accommodate short-term gains. Select the most appropriate option that can replace the word "myopic" without changing the meaning of the sentence.

Options:-

- A. visionary
- B. Shortsighted
- C. Progressive
- D. innovative

### Correct answer:- B

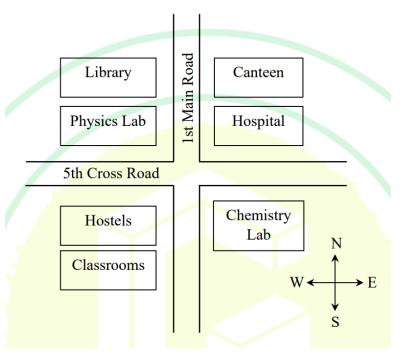
3. The average marks obtained by a class in an examination were calculated as 30.8. However, while checking the marks entered, the teacher found that the marks of one student were entered incorrectly as 24 instead of 42. After correcting the marks, the average becomes 31.4. How many students does the class have? Options:-

- A. 25
- B. 28
- C. 30
- D. 32

- 4. The average marks obtained by a class in an examination were calculated as 30.8. However, while checking the marks entered, the teacher found that the marks of one student were entered incorrectly as 24 instead of 42. After correcting the marks, the average becomes 31.4. How many students does the class have? Options:-
  - A. Both (1) and (2) are true.
  - B. Both (1) and (3) are true.
  - C. Only (3) is true.
  - D. Only (4) is true.

### Correct answer:- A

5. According to the map shown in the figure, which one of the following statements is correct? Note: The figure shown is representative.

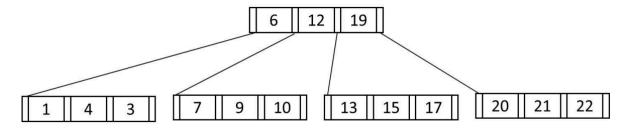


## Options:-

- A. The library is located to the northwest of the canteen.
- B. The hospital is located to the east of the chemistry lab.
- C. The chemistry lab is to the southeast of the physics lab.
- D. The classrooms and canteen are next to each other.

## Correct Answer: D

6. Consider the following *B* + tree with 5 nodes, in which a node can store at most 3 key values. The value 23 is now inserted in the *B* + tree. Which of the following options(s) is/are CORRECT?



## Options:-

- A. None of the nodes will split.
- B. At least one node will split and redistribute.
- C. The total number of nodes will remain same.
- D. The height of the tree will increase

Correct Answer: B,D

7. Suppose in a multiprogramming environment, the following C program segment is executed. A process goes into I/O queue whenever an I/O related operation is performed. Assume that there will always be a context switch whenever a process requests for an I/O, and also whenever the process returns from an I/O. The number of times the process will enter the ready queue during its lifetime (not counting the time the process enters the ready queue when it is run initially) is \_\_\_\_\_\_. (Answer in integer)

```
int main() {
     int x=0,i=0;
     scanf("%d",&x);
     for(i=0; i<20; i++) {
          x = x+20;
          printf("%d\n",x);
     }
     return 0;
}</pre>
```

Correct Answer: 21

- 8. The average marks obtained by a class in an examination were calculated as 30.8. However, while checking the marks entered, the teacher found that the marks of one student were entered incorrectly as 24 instead of 42. After correcting the marks, the average becomes 31.4. How many students does the class have?
  Options:-
  - A. 25
  - B. 28
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### Correct answer:- C

- 9. The average marks obtained by a class in an examination were calculated as 30.8. However, while checking the marks entered, the teacher found that the marks of one student were entered incorrectly as 24 instead of 42. After correcting the marks, the average becomes 31.4. How many students does the class have? Options:-
  - A. Both (1) and (2) are true.
  - B. Both (1) and (3) are true.
  - C. Only (3) is true.
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### Correct answer:- A

10. The average marks obtained by a class in an examination were calculated as 30.8. However, while checking the marks entered, the teacher found that the marks of one student were entered incorrectly as 24 instead of 42. After correcting the marks, the average becomes 31.4. How many students does the class have? Options:-

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# **Candidate's Subject**

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#### Correct answer:- A

 The CEO's decision to downsize the workforce was considered myopic because it sacrificed long-term stability to accommodate short-term gains. Select the most appropriate option that can replace the word "myopic" without changing the meaning of the sentence.

Options:-

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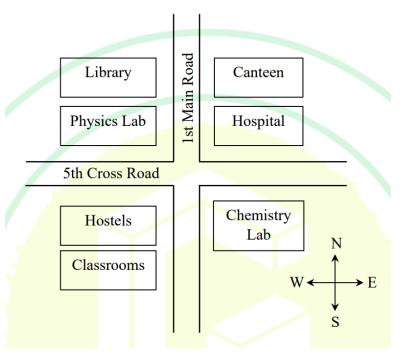
### Correct answer:- B

- 3. The average marks obtained by a class in an examination were calculated as 30.8. However, while checking the marks entered, the teacher found that the marks of one student were entered incorrectly as 24 instead of 42. After correcting the marks, the average becomes 31.4. How many students does the class have? Options:-
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### Correct answer:- A

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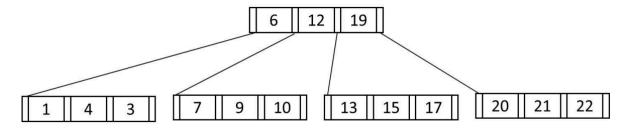


## Options:-

- A. The library is located to the northwest of the canteen.
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## Correct Answer: D

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## Options:-

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Correct Answer: 21

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### Correct answer:- C

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### Correct answer:- A

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