



WBCS MAINS 2022



REASONING

MOST EXPECTED QUESTIONS SET-3



LIVE 07:00PM | 29 JULY 2022

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1. Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Sagar's age at present?

- **A. 16 years**
- **B. 18 years**
- **C. 20 years**
- **D. Cannot be determined**

$$\begin{array}{l} 16 \text{ yr} \rightarrow 5 \\ \text{---} 2 \text{ yr} \\ \text{---} 1 \end{array}$$

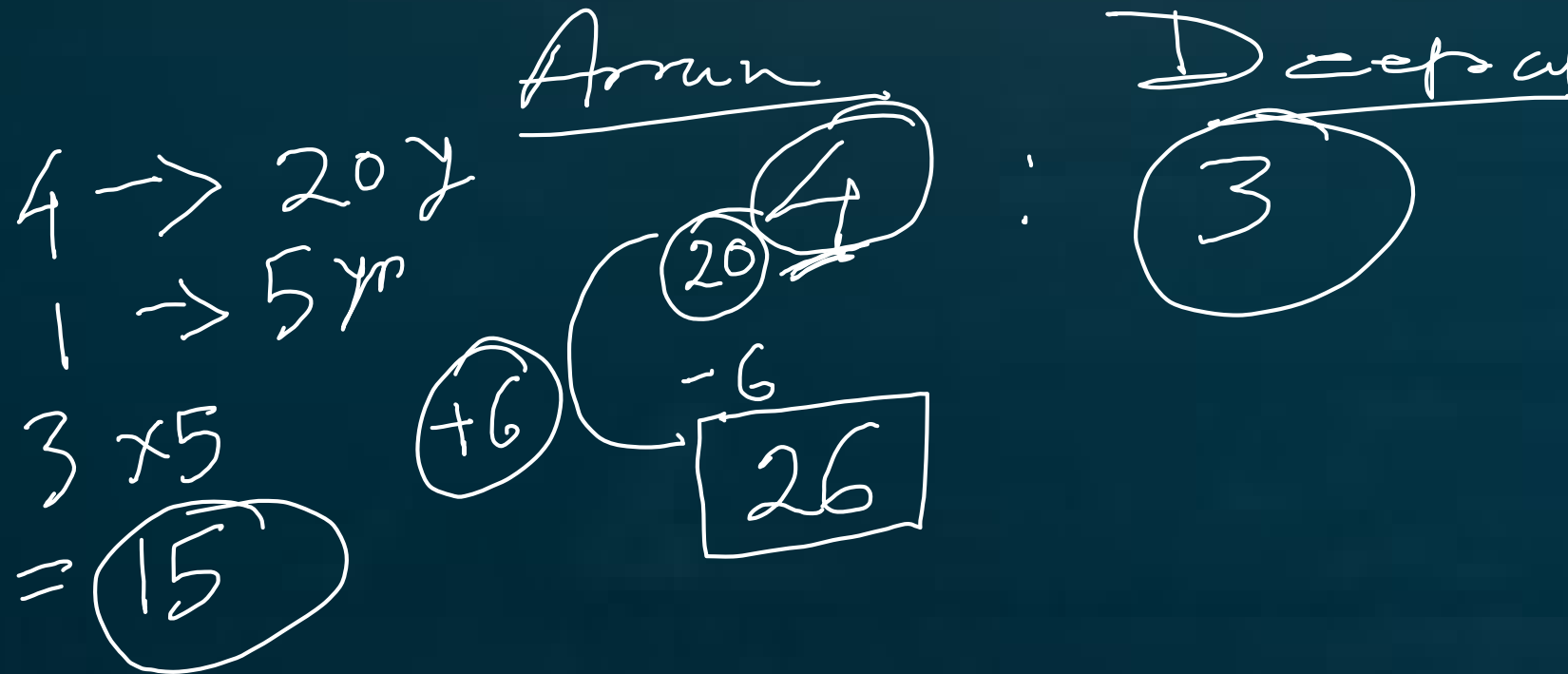
	Kunal	Sagar
6 years ago	6	5
Present	12	10
4 years hence	16	14
Ratio 4 years hence	11	10

Handwritten calculations for Kunal: $2 \times 6 = 12$, $12 + 4 = 16$.
Handwritten calculations for Sagar: $5 \times 2 = 10$, $10 + 4 = 14$.

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2. At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present ?

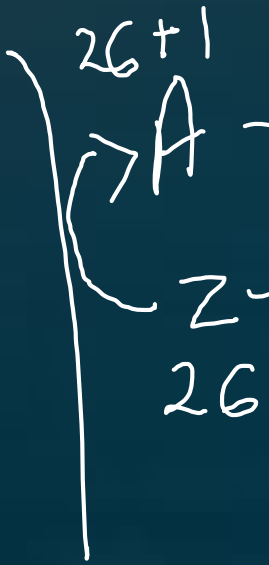
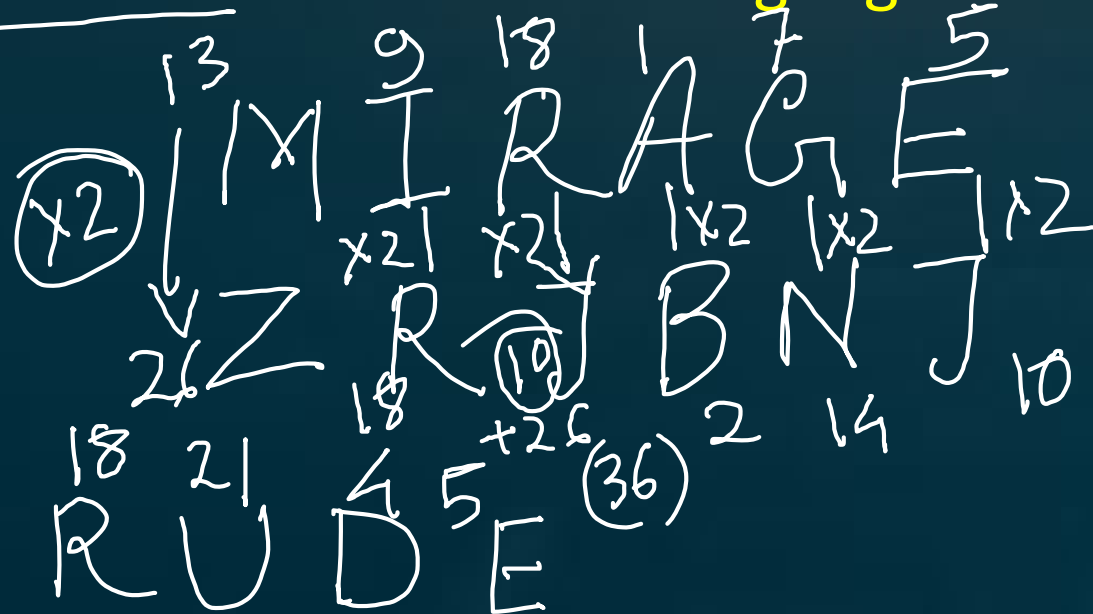
- A. 12 years
- B. 15 years
- C. 19 and half
- D. 21 years



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3. In a certain code language if the word MIRAGE is coded as ZRJBNI, then how is the word INTRUDE coded in that language?

- A. RBPHNJL
- B. RDPIPAJ
- C. RBNJPHJ
- D. RBJLPHJ



I N T R U D E
 9 14 20 18 21 4 5
 +26 (36)

x2

R B N J
 18 28 40 36
 (26+2) (26+14) (26+10)

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- 4. In a certain code language, if the word GROUND is coded as HPRQSX, then what is coded as NOURISH?

- ~~A. OMXNNMO~~
- ~~B. MQRVDYA~~
- C. MQRTFXA
- D. OMVNMNO

GROUND
HPRQSX
+1 -2 +3 -4 +5 -6

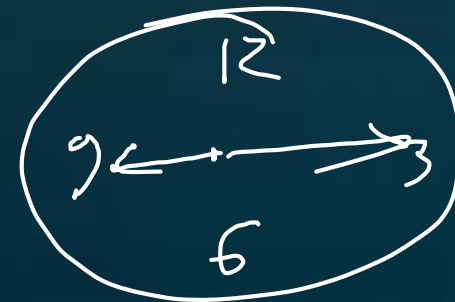
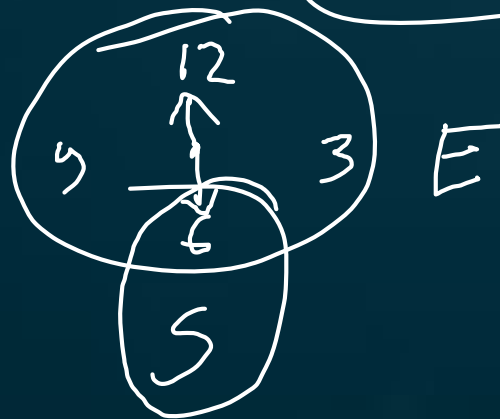
MQRVDYA
NOURISH
-1 +2 -3 +4 -5 +6 -7

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5. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

- A. East
- B. South
- ~~C. North~~
- ~~D. West~~

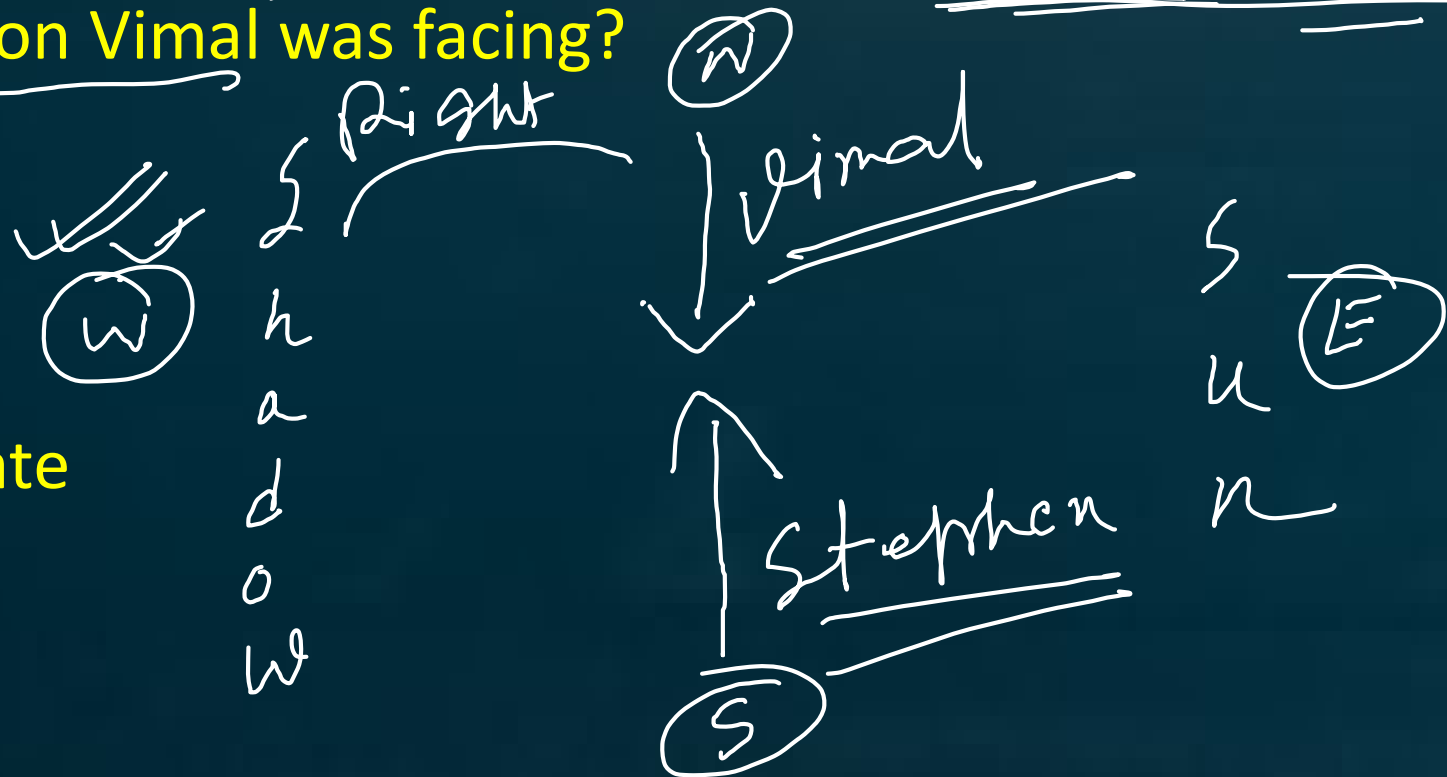
opposite



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- 6. One morning after sunrise, Vimal started to walk. During this walking he met Stephen who was coming from opposite direction. Vimal watch that the shadow of Stephen to the right of him (Vimal). To Which direction Vimal was facing?

- A. East
- B. West
- C. South
- D. Data inadequate



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7. Ravi and Kunal are good in Hockey and Volleyball. Sachin and Ravi are good in Hockey and Baseball, Gaurav and Kunal are good in Cricket and Volleyball. Sachin, Gaurav and Michael are good in Football and Baseball. Who is good in Hockey, Cricket and Volleyball ?

- (A) Sachin
- ~~(B) Kunal~~
- (C) Ravi
- (D) Gaurav

	<u>Cricket</u>	<u>Hockey</u>	<u>Volley</u>	<u>Base</u>	<u>Foot</u>
• (A) Sachin	Gaurav	Ravi	Ravi	Sachin	
• (B) Kunal	<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>	Ravi	
• (C) Ravi		Sachin	Gaurav		
• (D) Gaurav					

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- 8. Alka is older than Mala, Gopal is older than Mala but younger than Alka. Kapil is younger than Ram and Mala. Mala is older than Ram.
- Whose age is between Gopal and Ram ?
- (A) Mala
- (B) Kapil
- (C) Alka
- (D) None of the above

Alka
✓ Gopal
Mala
✓ Ram
Kapil

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- **9. Statement:**

- 'Smoking is injurious to health' — A warning printed on the cigarette packets.

- **Assumptions:**

- I. People read printed matter on a cigarette packet.

- II. People take careful note of a warning.

- III. Non-Smoking promotes health.

- IV. None of the above

- (A) None is Implicit

- (B) Only I and II are Implicit.

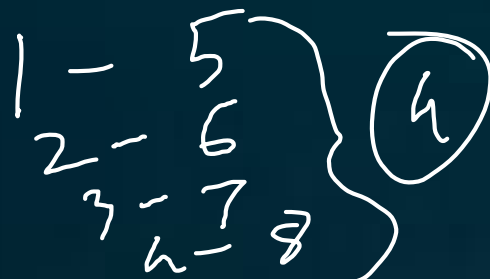
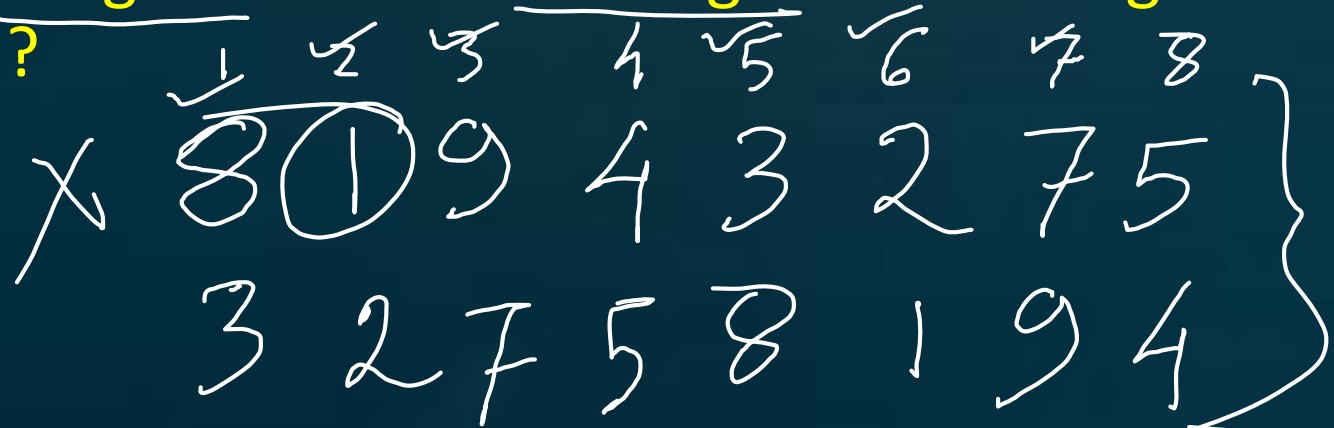
- (C) All are Implicit

- (D) Only II and III are Implicit.

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- 10. The position of the first and the fifth digits of the number 81943275 are interchanged. Similarly the position of the second and the sixth digits are interchanged and so on till the forth and the eighth digits. Which of the following will be the third digit from the right end after the rearrangement ?

- (A) 1
- (B) 9
- (C) 2
- (D) 4



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- 11.
- (i) Six flats on a floor in two rows facing North and South are allotted to P, Q, R, S, T and U.
- (ii) Q gets a North facing flat and is not next to S.
- (iii) S and U get diagonally opposite flats.
- (iv) R, next to U, gets a South facing flat and T gets a North facing flat.
- Which of the following combinations get South facing flats ?
- (A) QTS
- (B) UPT
- **(C) URP**
- (D) None of the above

South ↓

North ↑



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- 12. How many such 5s are there in the following number sequence each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?

3 5 9 5 4 5 5 3 5 8 4 5 6 7 3 5 7 5 5 4 5 2 3 5 1 0

(A) None

(B) Three

(C) Four

(D) Five

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• 13. If 30th January 2003 was Thursday, what was the day on 2nd March, 2003 ?

- (A) Tuesday
- (B) Thursday
- (C) Saturday
- (D) Sunday

+ 3 day = Sun

$$1 + 28 + 2 = 31$$

$$\begin{array}{r} 7 \overline{) 31} \\ \underline{28} \\ 3 \end{array} \quad (4)$$

$$\underline{\underline{3}}$$

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• 14. Select the Combination of numbers so that the letters arranged accordingly will form a meaningful word:

• P N O A C L M I

• 1 2 3 4 5 6 7 8

• (A) 2, 7, 8, 6, 4, 3, 1, 5

• (B) 4, 7, 5, 2, 6, 8, 1, 3

• (C) 5, 3, 7, 1, 6, 4, 8, 2

• (D) 7, 1, 8, 5, 6, 2, 4, 3

NMI ✓

AME ✓

✓ COMPLAIN

5 3 7 1 6 4 8 2

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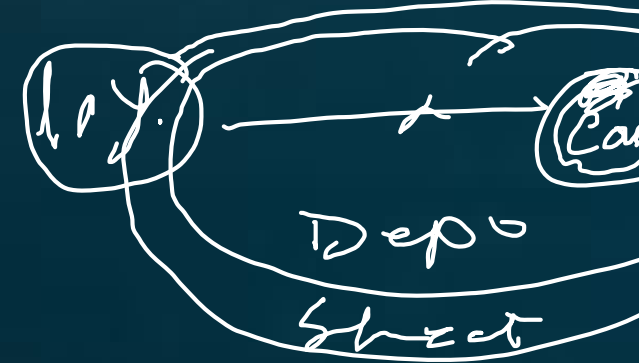
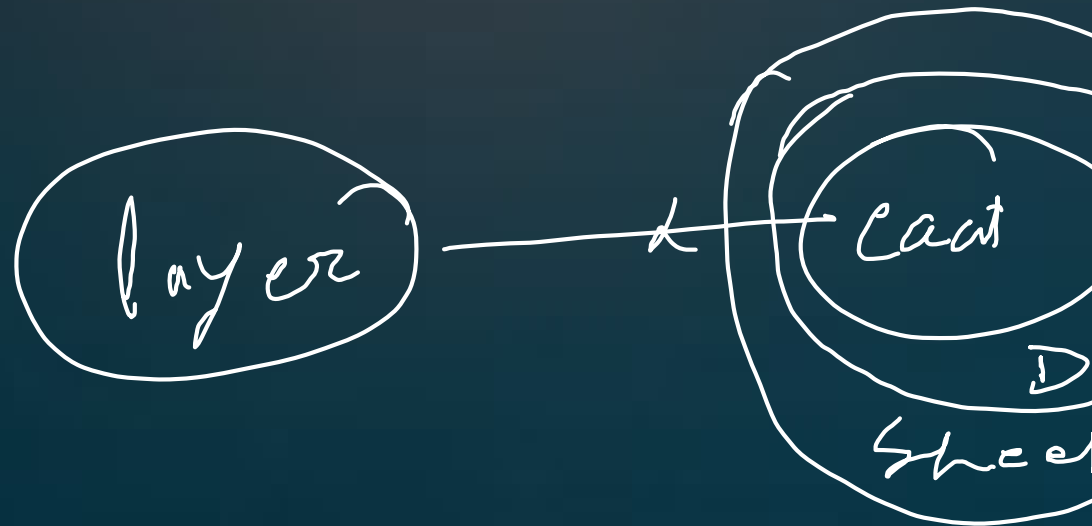
- 15. Statements:

- No layer is a coat.
- All coats are deposits.
- All deposits are sheets.

• Conclusion: I. All coats are sheets.

• II. All deposits can never be layer.

- (A) Only conclusion I is true
- (B) Only conclusion II is true
- (C) Either conclusion I or II is true
- (D) Both conclusions I and II are true



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- 16.
- **Statement:** "You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation." - A line in an appointment letter.
- **Assumptions:**
 - I. The performance of an individual generally is not known at the time of appointment offer.
 - II. Generally an individual tries to prove his worth in the probation period.
- **A.** Only assumption I is implicit
- **B.** Only assumption II is implicit
- **C.** Neither I nor II is implicit
- **D.** Both I and II are implicit

Ans → D

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- 17.
- **Statement:** "If you trouble me, I will slap you." - A mother warns her child.
- **Assumptions:**
 - I. With the warning, the child may stop troubling her.
 - II. All children are basically naughty.
- **A.** Only assumption I is implicit
- **B.** Only assumption II is implicit
- **C.** Neither I nor II is implicit
- **D.** Both I and II are implicit

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- 18.
- **Statements:**
- I. The police authority has recently caught a group of house breakers.
- II. The citizens group in the locality have started night vigil in the area.
- **A.** Statement I is the cause and statement II is its effect
- **B.** Statement II is the cause and statement I is its effect
- **C.** Both the statements I and II are effects of independent causes
- **D.** Both the statements I and II are effects of some common cause

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- 19.
- **Statements:**
- I. The literacy rate in the district has been increasing for the last four years.
- II. The district administration has conducted extensive training programme for the workers involved in the literacy drive. *Cause*
- **A.** Statement I is the cause and statement II is its effect
- **B.** Statement II is the cause and statement I is its effect
- **C.** Both the statements I and II are effects of independent causes
- **D.** Both the statements I and II are effects of some common cause

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- 20.
- Statement: Should cottage industries be encouraged in rural areas?
- Arguments:
 - I. Yes. Rural people are creative. ✕
 - II. Yes. This would help to solve the problem of unemployment to some extent. ✓
- A. Only argument I is strong
- B. Only argument II is strong
- C. Neither I nor II is strong
- D. Both I and II are strong



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THANK YOU

