

# CSAT

# CSAT SYLLABUS

	MATHS	REASONING	READING COMPREHENSION
Average	25-30 Q`s	20-25 Q`s	25-30 Q`s
2020	42 Q`s	13 Q`s	25 Q`s

## **REASONING (GMA, AR, LR)**

<b>SL. NO.</b>	<b>SESSION NAME</b>	<b>SESSION DETAILS</b>
1	Reas-1	Series & Coding-Decoding
2	Reas-2	Blood Relation & Direction
3	Reas-3	Clock & Calendar
4	Reas-4	Dice & Cubes
5	Reas-5	Application of Sets
6	Reas-6	Sitting Arrangement & Ranking
7	Reas-7	Puzzles (Table Formation)  Analytical Reasoning
8	Reas-8	(No. of Triangles, Squares, Rectangles)
9	Reas-9	Non-Verbal Reasoning
10	Reas-10	Syllogism
11	Reas-11	Statement- Assumption , Strong & Weak Argument
12	Reas-12	Course of Action , Cause & Effect

## **MATHS (BASIC NUMERACY)**

<b>SL NO.</b>	<b>SESSION NAME</b>	<b>SESSION DETAILS</b>
1.	M-1	NUMBER SYSTEM Part-1
2.	M-2	NUMBER SYSTEM Part-2
3.	M-3	LCM & HCF
4.	M-4	Percentage
5.	M-5	Profit-Loss & Discount
6.	M-6	Ratio & Proportion
7.	M-7	Average & Age
8.	M-8	DI &
9.	M-9	Time, Speed & Distance
10	M-10	Time & Work
11	M-11	Mensuration
12	M-12	Permutation & Combination
13	M-13	Probability

# DATA INTERPRETATION

# Data Interpretation

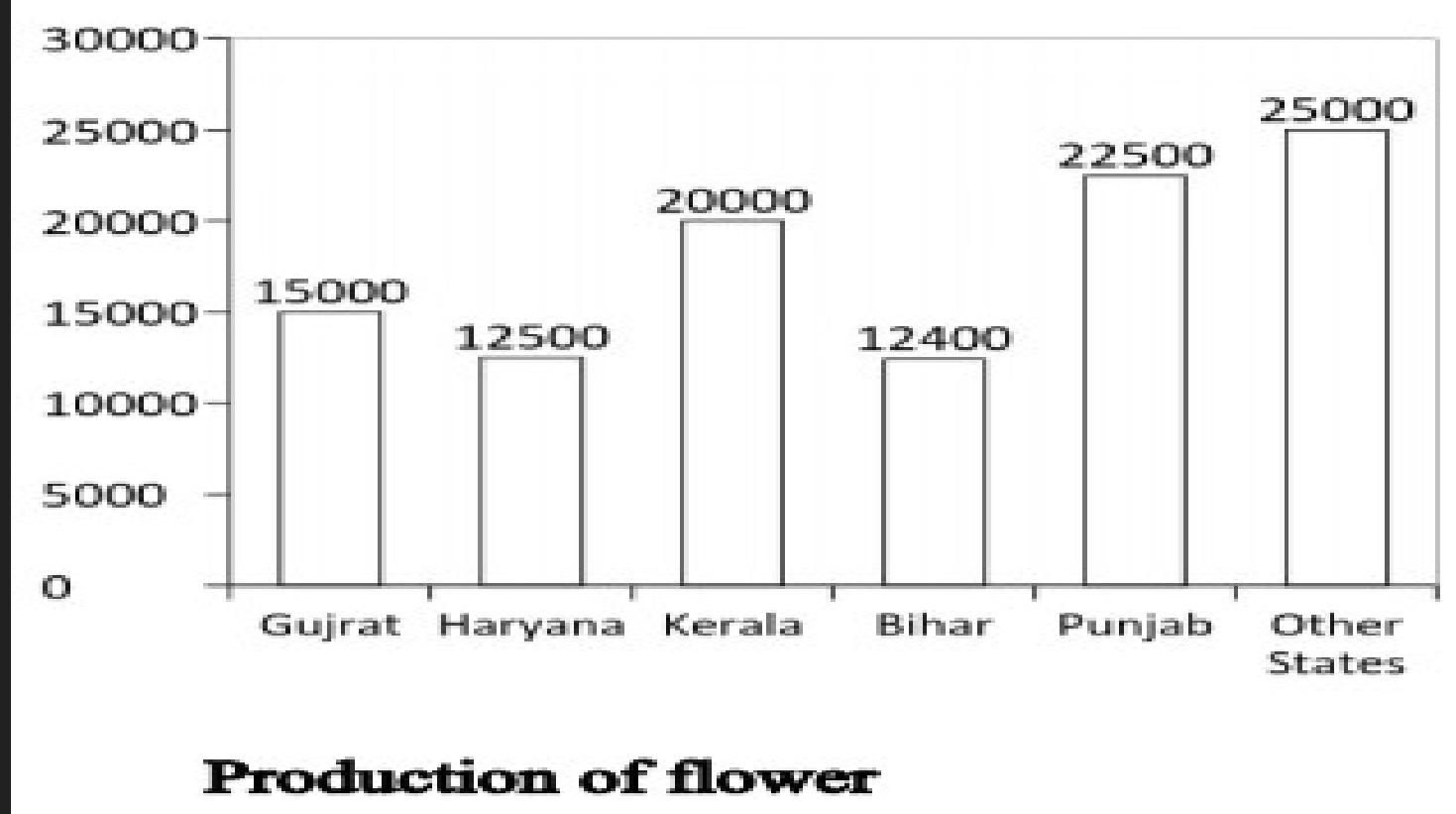
- \* Graphs
- \* Pie- Charts
- \* Tables

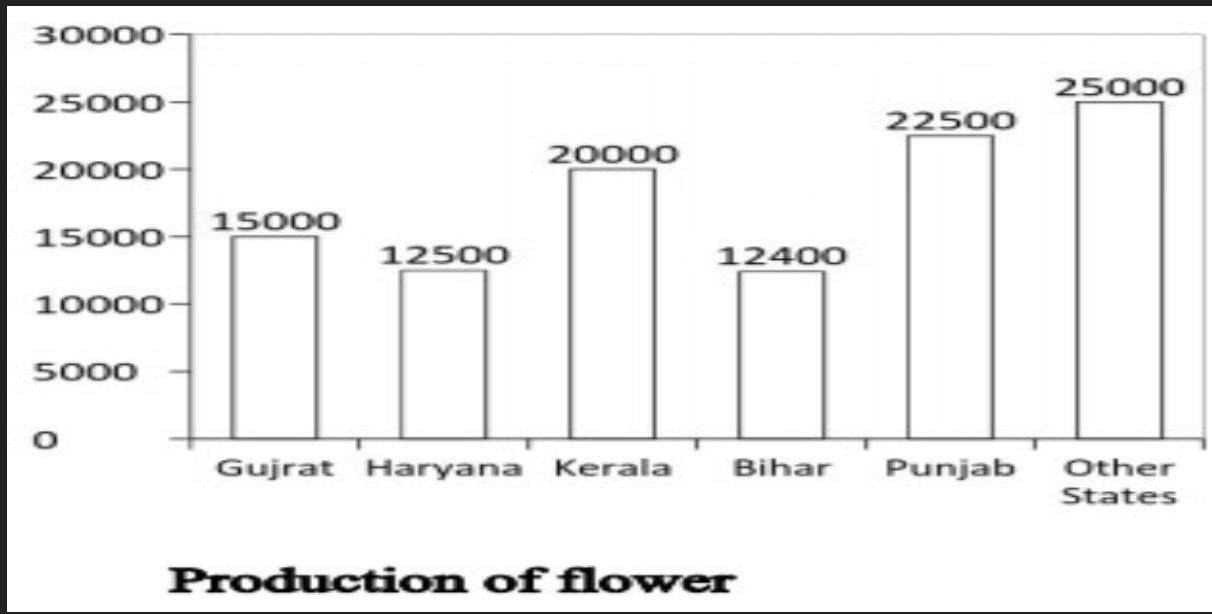
# Graphs

# Pie-Charts

# Tables

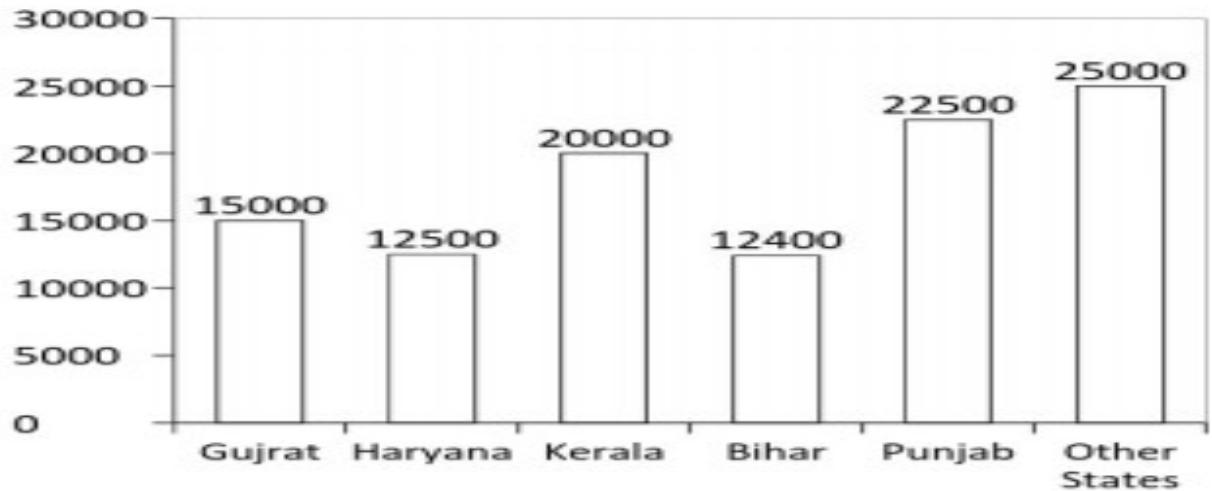
## Direction (1-3Q):





1Q: In which state production of flower is more than 20000?

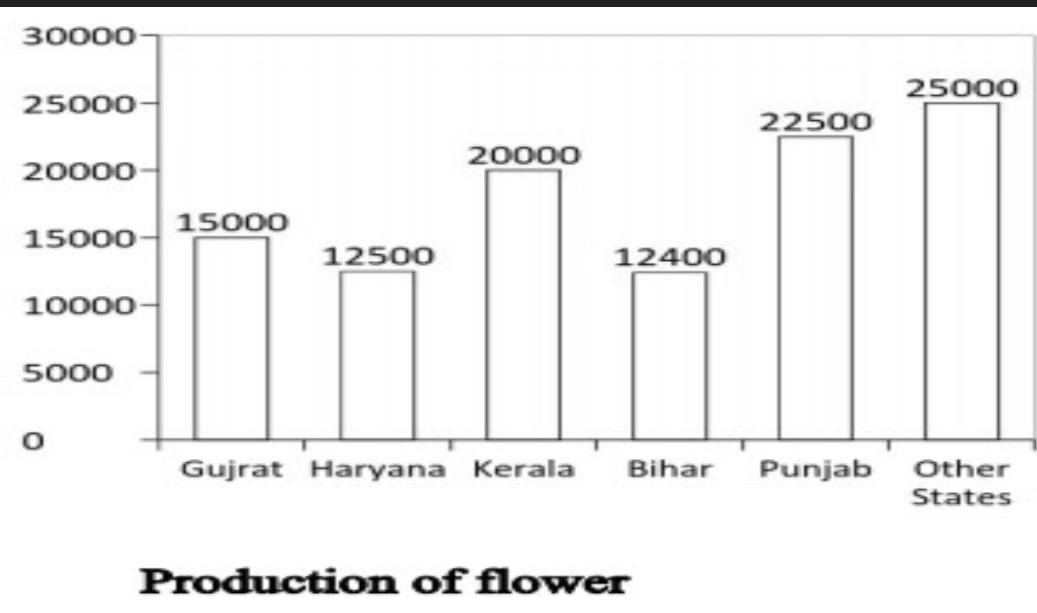
- a) Only other states
- b) Punjab and other state
- c) Kerala, Punjab and other states
- d) None



### Production of flower

2Q: Production of flowers in Punjab is how many times more than Gujrat?

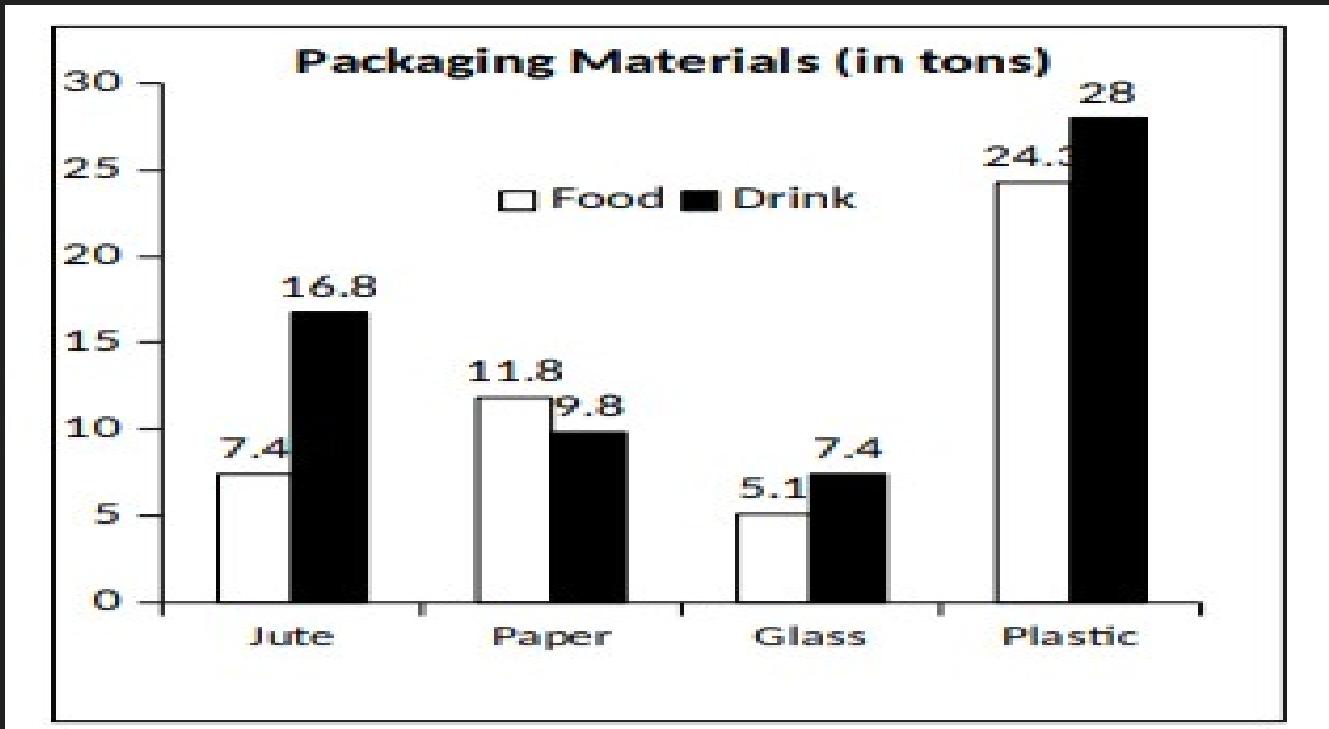
- a) 1.5
- b) 0.5
- c) 2.0
- d) None

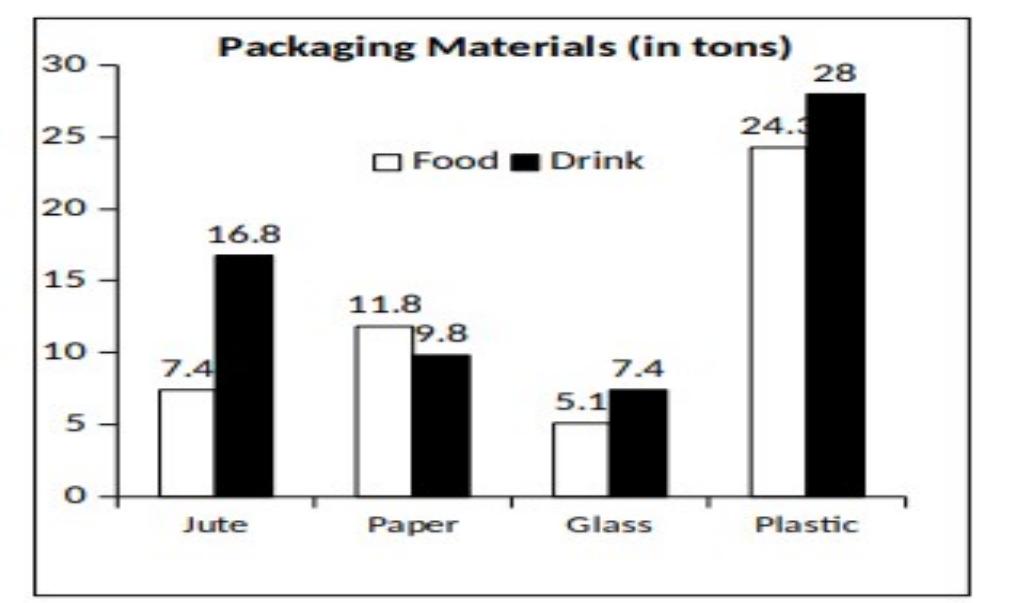


3Q: If due to some reason the other states do not produce flowers, then how much average production of flowers need to be increased by the remaining states?

- a) 4166.66   b) 5000
- c) 4000      d) None

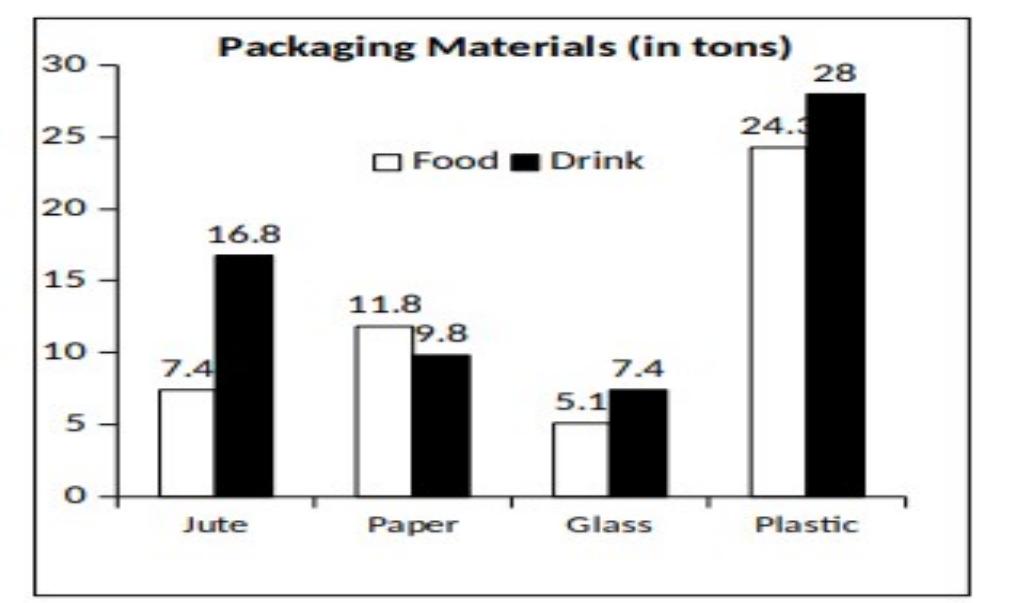
## Direction ( 4-5Q)





4Q: Which of the following material is used in the packing of food product and drinks in the ratio of 4:9?

- a) Jute b) Paper
- c) Glass d) None

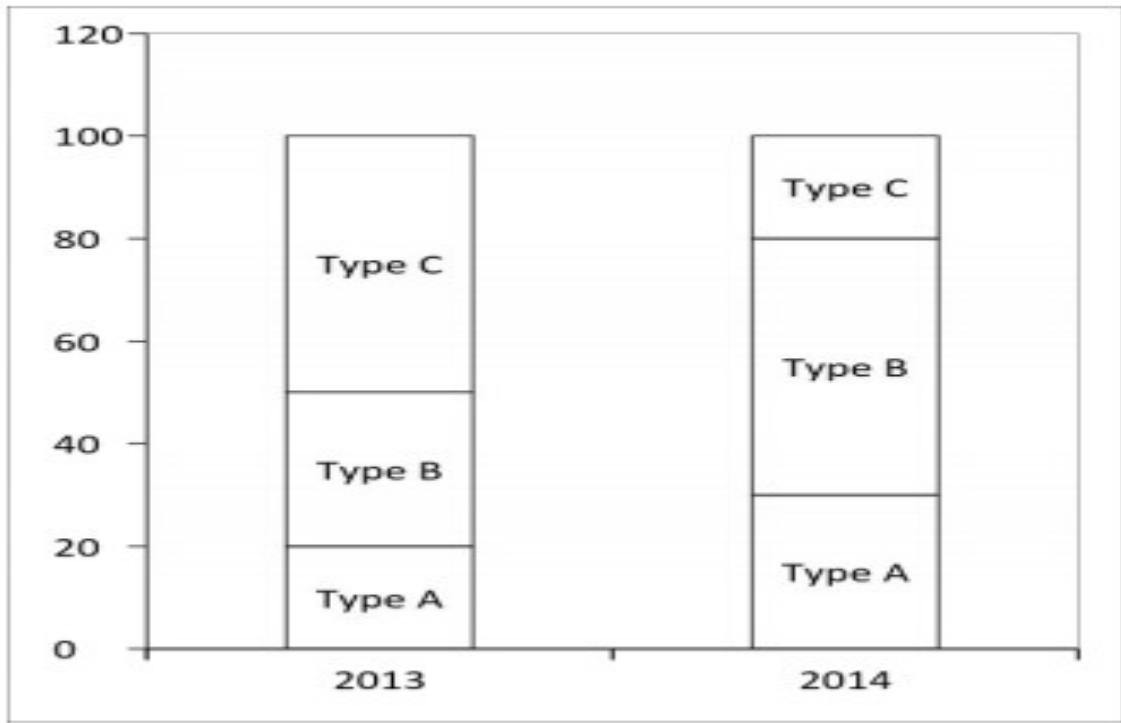


5Q: What is the percentage of plastic used in the packaging of food product?

- a) 50%
- b) 48%
- c) 52%
- d) 58%

## Direction (6-7Q):

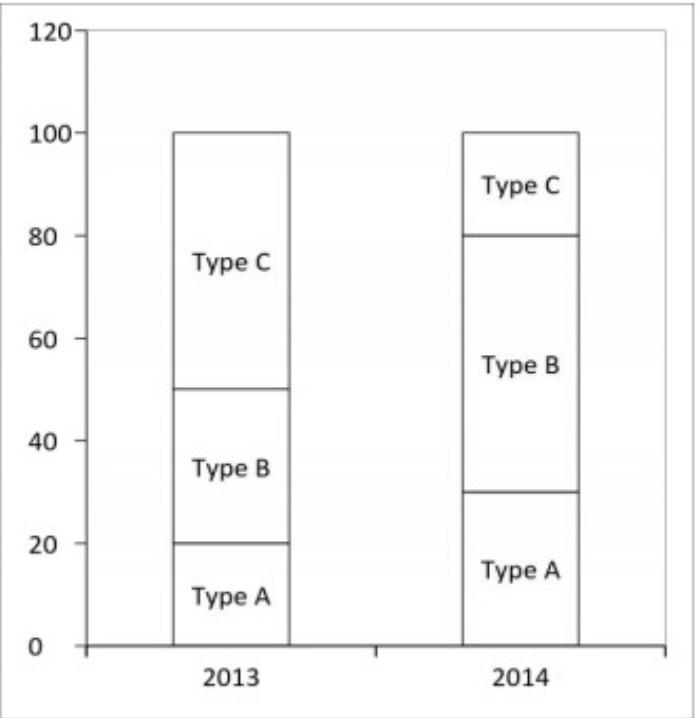
Production of three types of cars are given in percentage.



Production of cars in 2013 = 40,000

Production of cars in 2014 = 50,000

Production of three types of cars are given in percentage.



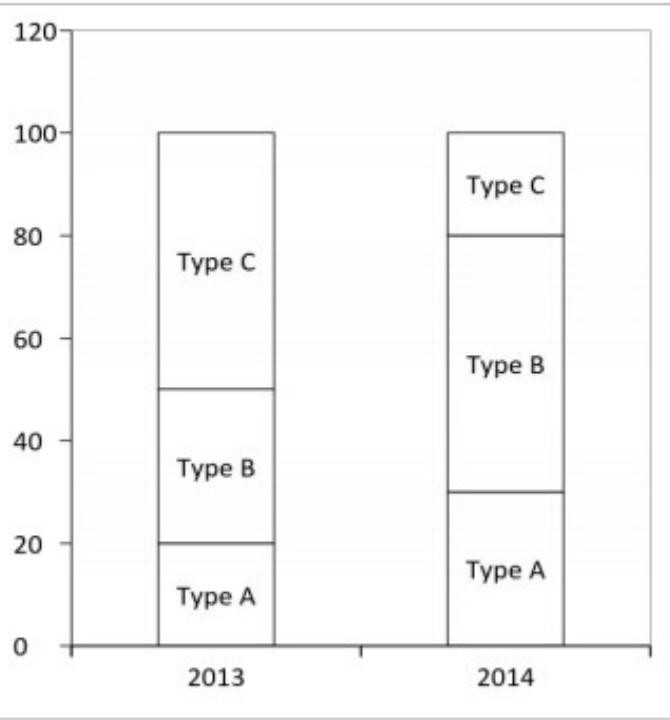
Production of cars in 2013 = 40,000

Production of cars in 2014 = 50,000

6Q: In which type of cars percentage increase is maximum in 2014?

- a) Type A
- b) Type B
- c) Type C
- d) Type D

Production of three types of cars are given in percentage.



Production of cars in 2013 = 40,000

Production of cars in 2014 = 50,000

7Q: If 85% car of type B sold during 2013 and 2014, then how much car of type B was unsold during these period?  
a) 10500 b) 5500 c) 12500 d) None

## Direction (8-9Q):

The percentage distribution of the total population of a state into various age groups given in table below.

Percent	Age Group (in years)
20	0-10
14	11-20
22	21-30
16	31-40
14	41-50
10	51-60
4	60 and above
100	Total

The percentage distribution of the total population of a state into various age groups given in table below.

Percent	Age Group (in years)
20	0-10
14	11-20
22	21-30
16	31-40
14	41-50
10	51-60
4	60 and above
100	Total

- 8Q: If there are 28 lakhs people below 31 years of age, then how many people are of the age 51 and above?
- a) 7 lakhs b) 8 lakhs c) 10 lakhs d) 14 lakhs

The percentage distribution of the total population of a state into various age groups given in table below.

Percent	Age Group (in years)
20	0-10
14	11-20
22	21-30
16	31-40
14	41-50
10	51-60
4	60 and above
100	Total

9Q: If the difference between the number of people in the age group 21-30 and 31-40 is 15 lakhs, then what is the total population of the state in lakhs?

- a) 150   b) 250   c) 200   d) 225

**Direction (10-11Q):**

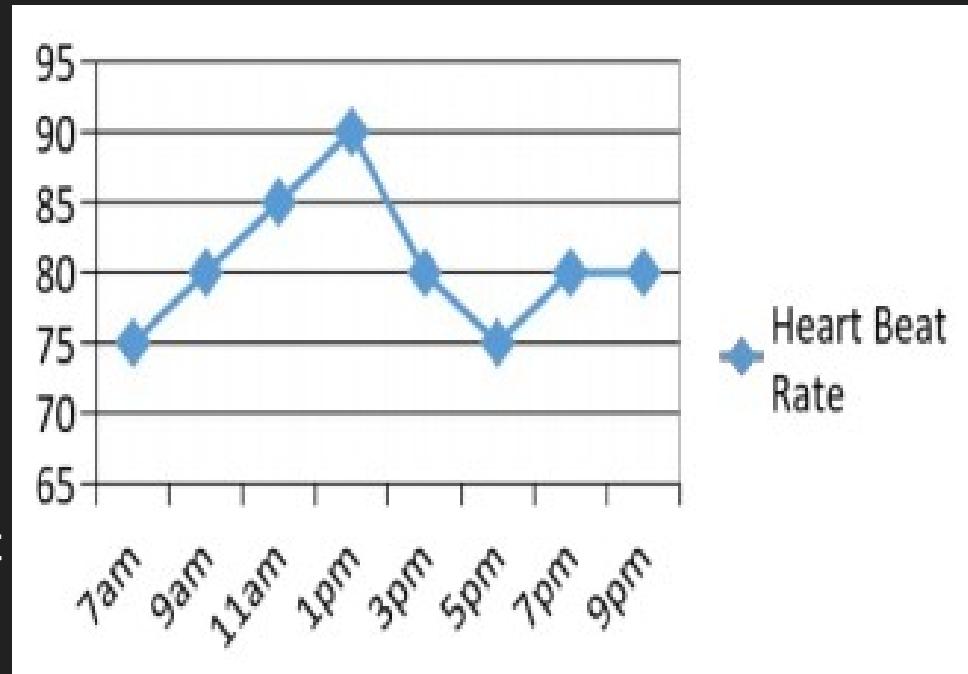
A medicine was given to a patient at 11 a.m. for reducing the heart beat rate.

**10Q:** After how much time the effect of the medicine started?

- a) 1 hrs b) 2 hrs c) 3 hrs d) 4 hrs

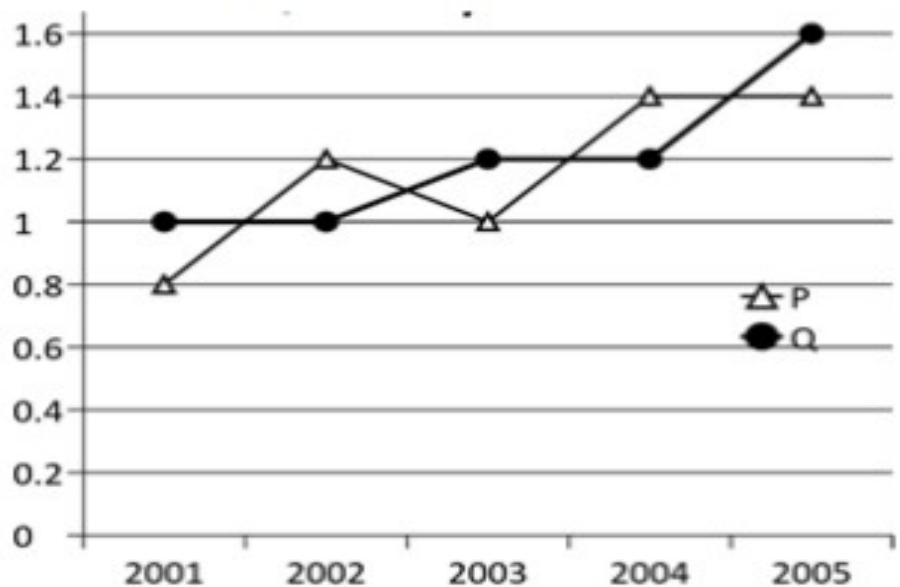
**11Q:** Upto how much time the effect of the medicine lasted?

- a) 1 hrs b) 2 hrs c) 3 hrs d) 4 hrs



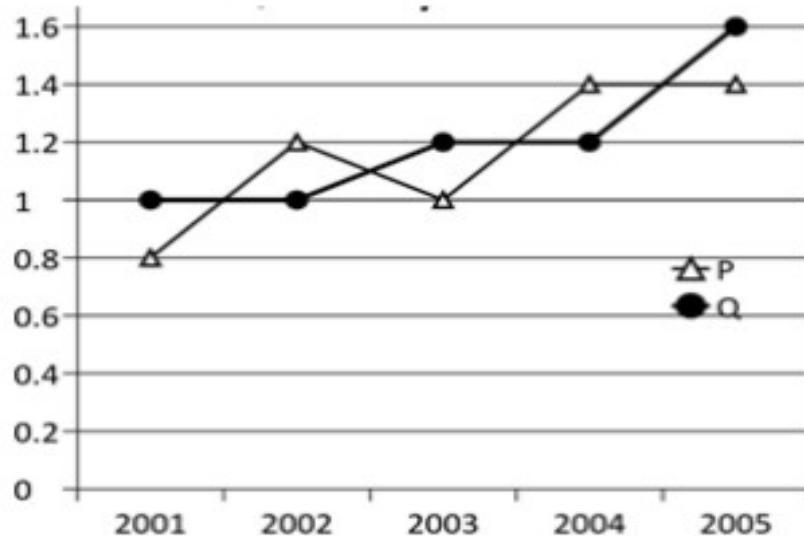
**Direction (12-13Q):**

**The Import: Export of Company P  
and Q in Five years .**



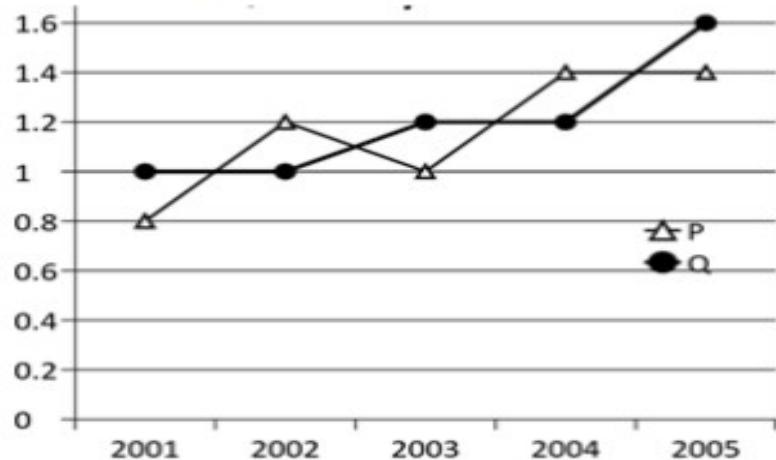
## The Import: Export of Company P

and Q in Five years .



12Q: : In how many of the given years were the export more than the import?  
a) 1   b) 2   c) 3   d) 4

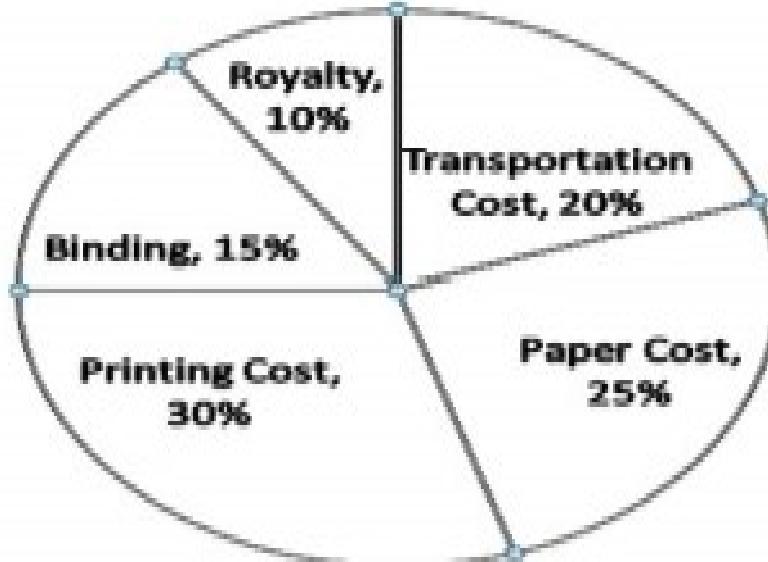
**The Import: Export of Company P  
and Q in Five years .**



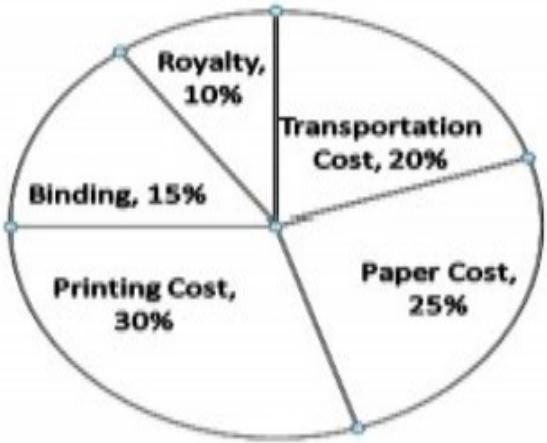
13Q: If the import of company Q in 2004 was Rs. 297 crores and the total exports in the year 2004 and 2005 together was Rs. 460 crores, then the imports in 2005 approximately was:

- a) Rs. 294 crores b) Rs. 315 crores
- c) Rs. 350 crores d) Rs. 340 Crores

**Direction (14-16Q):**

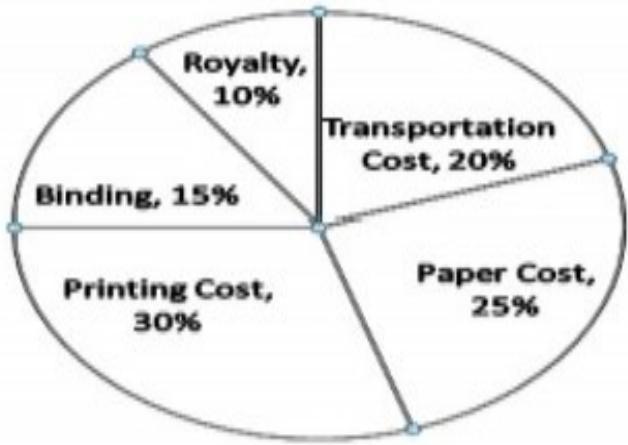


**Expenditure on preparing a book is given in the pie- chart.**



Expenditure on preparing a book is given in the pie- chart.

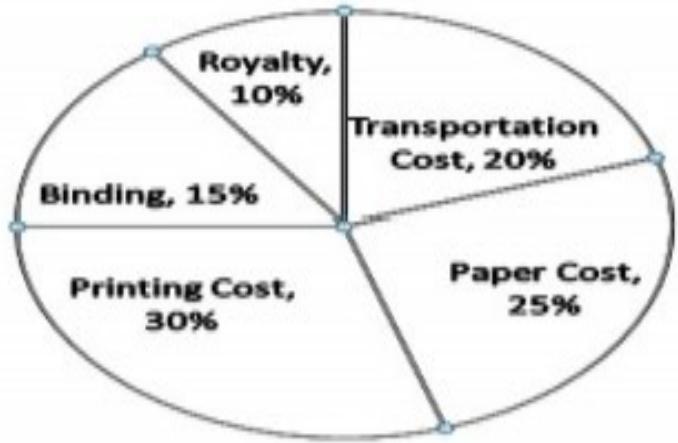
- 14Q: : If for a certain quantity of books, the publisher has to pay Rs. 27,600 as printing cost, then what will be amount of royalty to be paid for these books?
- a) Rs. 9200
  - b) Rs. 10,500
  - c) Rs. 5,400
  - d) Rs. 8,000



Expenditure on preparing a book is given in the pie- chart.

15Q: : What is the central angle of the sector corresponding to the expenditure incurred on transportation cost?

- a) 60
- b) 72
- c)  $56^\circ$
- d)  $36^\circ$



**Expenditure on preparing a book is given in the pie- chart.**

16Q: Find the percentage decrease in the binding cost compared to transportation cost?

a) 15 % b) 22 % c) 20 % d) 25 %

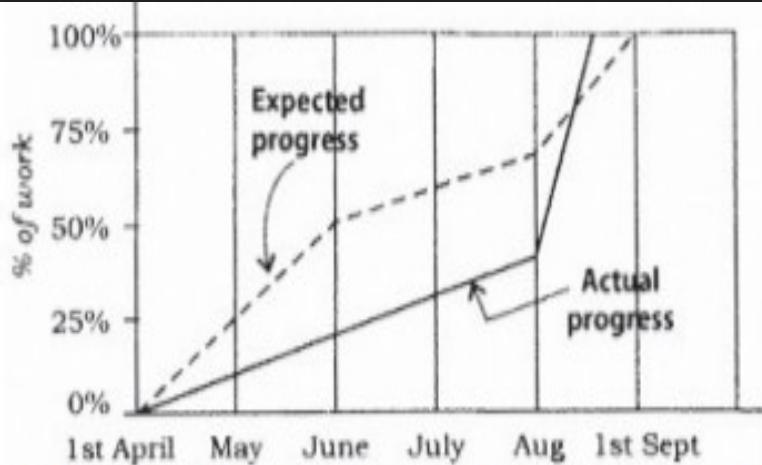
# CSAT QUESTIONS

Consider the following data:

<b>Year</b>	<b>Birth rate</b>	<b>Death rate</b>
1911-1921	48.1	35.5
1921-1931	46.4	36.3
1931-1941	45.2	31.2
1941-1951	39.9	27.4
1951-1961	41.7	22.8
1961-1971	41.1	18.9
1971-1981	37.1	14.8

For which period was the natural growth rate maximum?

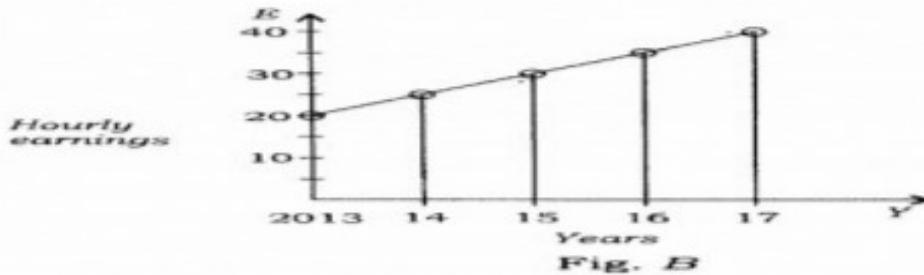
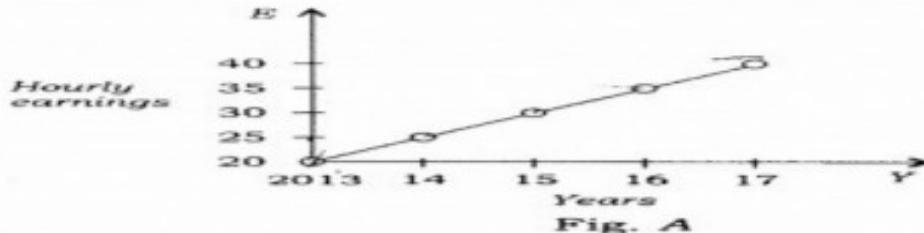
- (a) 1911-1921
- (b) 1941-1951
- (c) 1961-1971
- (d) 1971-1981



Which one of the following statements is not correct with reference to the graph given above?

- (a) On 1st June, the actual progress of work was less than expected.
- (b) The actual rate of progress of work was the greatest during the month of August.
- (c) The work was actually completed before the expected time.
- (d) During the period from 1st April to 1st September, at no time was the actual progress more than the expected progress.

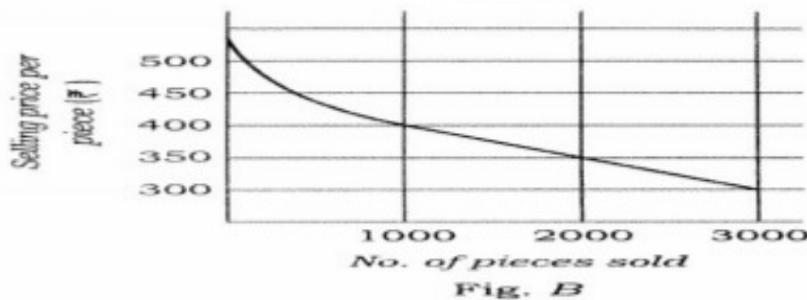
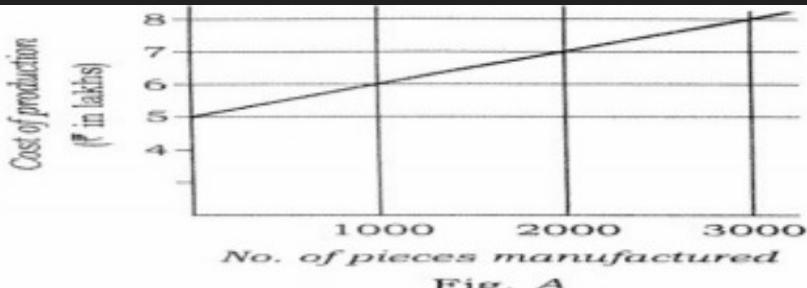
19Q: Average hourly earnings per year ( $E$ ) of the workers in a firm are represented in figures A and B as follows:



From the figures, it is observed that the

- (a) values of  $E$  are different
- (b) ranges (i.e., the difference between the maximum and the minimum) of  $E$  are different
- (c) slopes of the graphs are same
- (d) rates of increase of  $E$  are different

20Q: Consider the following figures A and B. The manufacturing cost and projected sales for a product are shown in the above figures A and B, respectively.



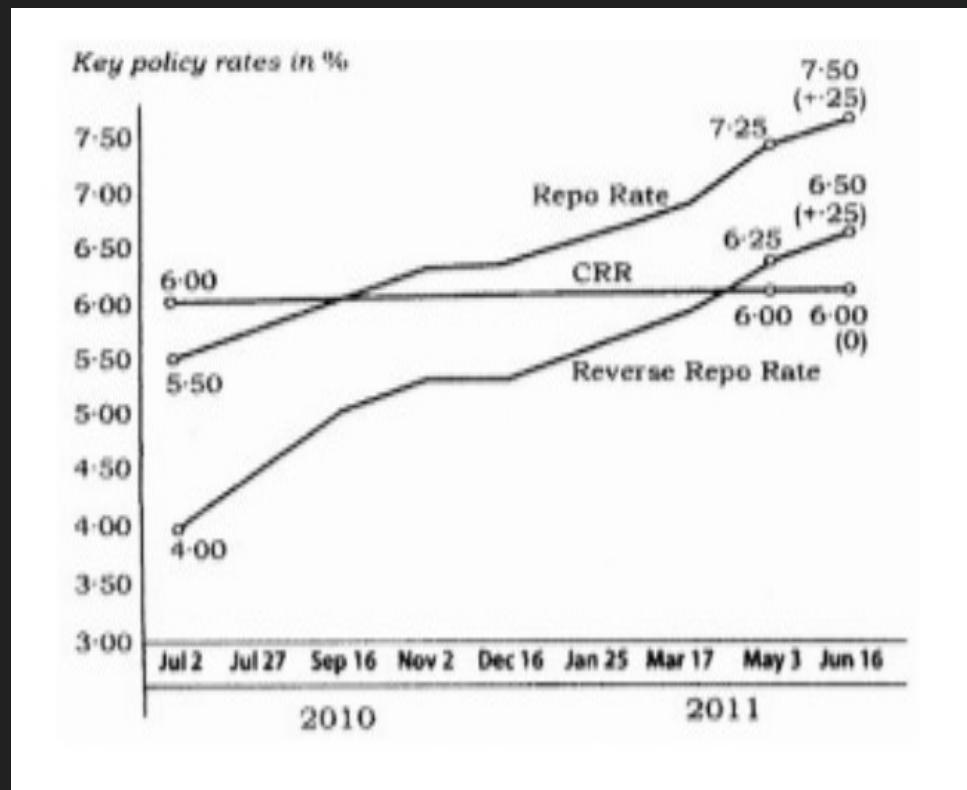
What is the minimum number of pieces that should be manufactured to avoid a loss?

- (a) 2000
- (b) 2500
- (c) 3000
- (d) 3500

## CSAT-2018

21Q: The graph given below indicates the changes in key policy rates made by Central Bank several times in a year Which one of the following can be the most likely reason for the Central Bank for such an action?

- (a) Encouraging foreign investment
- (b) Increasing the liquidity
- (c) Encouraging both public and private savings
- (d) Anti inflationary stance



# CSAT-2018

22Q: With reference to the above table, which of the following is/are the most logical and rational inference/ inferences that can be made?

- (a) Higher per capita income is generally associated with higher Tele-density.
- (b) Higher GDP growth rate always ensures higher per capita income.
- (c) Higher GDP growth rate does not necessarily ensure higher Teledensity.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 3 only

States	Per capita income (\$)	GDP growth rate (%)	Tele-density
State 1	704	9.52	70.27
State 2	419	5.31	35.88
State 3	254	10.83	50.07
State 4	545	9.78	5.94
State 5	891	10.8	76.12
State 6	1077	11.69	77.5
State 7	900	8.88	104.86
State 8	395	5.92	6
State 9	720	7.76	82.25
State 10	893	9.55	96.7
State 11	363	4.7	57.7
State 12	966	7.85	63.8
State 13	495	9.37	52.3
State 14	864	5.46	97.9
State 15	497	7.48	62.3
State 16	777	7.03	93.8
State 17	335	5.8	49.9
State 18	599	7.49	47.84

# CSAT-2018

23Q: With reference to the above table, the following assumptions have been made :

1. Nowadays, prosperity of an already high performing State cannot be sustained without making further large investments in its telecom infrastructure.
2. Nowadays, a very high Tele-density is the most essential condition for promoting the business and economic growth in a State.

Which of the above assumptions is/ are valid?

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2

States	Per capita income (\$)	GDP growth rate (%)	Tele-density
State 1	704	9.52	70.27
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## Direction (24-26Q)

There are Eight major locations in a zoo at Delhi. A survey was conducted to find out the movement of the people within the zoo.

24Q: The least number of people go to which location?

- a) G
- b) D
- c) B
- d) A

		To							
		A	B	C	D	E	F	G	H
From	A	48	46	66	24	4	68	64	
	B	20	64	152	64	90	108	86	
	C	28	108	88	86	46	130	130	
	D	54	92	66	42	82	20	4	
	E	70	48	50	110	26	46	22	
	F	24	74	92	68	112	120	60	
	G	28	32	134	152	6	86	26	
	H	50	70	90	108	68	110	86	

## Direction (24-26Q)

There are Eight major locations in a zoo at Delhi. A survey was conducted to find out the movement of the people within the zoo.

25Q: What is the total number of people visiting the zoo?

- a) 3868
- b) 5000
- c) 4000
- d) Cannot be Determined

		To								
		A	B	C	D	E	F	G	H	
From	A	48	46	66	24	4	68	64		
	B	20	64	152	64	90	108	86		
	C	28	108	88	86	46	130	130		
	D	54	92	66	42	82	20	4		
	E	70	48	50	110	26	46	22		
	F	24	74	92	68	112	120	60		
	G	28	32	134	152	6	86	26		
	H	50	70	90	108	68	110	86		

## Direction (24-26Q)

There are Eight major locations in a zoo at Delhi. A survey was conducted to find out the movement of the people within the zoo.

26Q: What percentage of total visiting E comes from D?

- a) 10% b) 20% c) 40% d) 30%

		To							
	A	B	C	D	E	F	G	H	
From	A	48	46	66	24	4	68	64	
	B	20	64	152	64	90	108	86	
	C	28	108	88	86	46	130	130	
	D	54	92	66	42	82	20	4	
	E	70	48	50	110	26	46	22	
	F	24	74	92	68	112	120	60	
	G	28	32	134	152	6	86	26	
	H	50	70	90	108	68	110	86	

**Direction (27Q):**

The table given below indicates the performance of a football team 'Fighter' in eight consecutive seasons of `Football Premier League`.

27Q: Which of the following statement(s) is/are true with respect to the given data ?

- (a) Fighter performed better in season 2015-16 as compared to season 2016-17.
- (b) Fighter performed equally well in seasons 2011-12 and 2013-14.
- (c) Both (a) and (b)
- (d) None of these

Season	Number of matches Won	Number of matches lost	Total number of matches
2011-12	4	3	7
2012-13	7	5	12
2013-14	8	6	14
2014-15	9	7	16
2015-16	5	6	11
2016-17	3	4	7

ALL THE BEST