

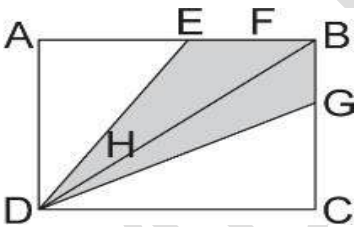
# NMAT by GMAC Mock Test

## Quantitative Skills Questions

1. In a group of students, if a student aged 19 years is replaced by a student aged 25 years, the average age of the group increases by 0.4 years. Find the number of students in the group.

- ☐ A 12
- ☐ B 13
- ☐ C 14
- ☐ D 15
- ☐ E 16

2. In the given figure, ABCD is a rectangle with an area of 400 sq. units. Find the area (in sq. units) of the shaded region, if  $EF = FB = \frac{1}{5} AB$ ,  $BG = \frac{1}{4} BC$  and  $DH = \frac{1}{4} BD$ .



- ☐ A 90
- ☐ B 130
- ☐ C 140
- ☐ D 150
- ☐ E 180

**Directions:** A question is followed by two statements, numbered (1) and (2). Using the information provided and general knowledge, decide whether the information given is sufficient to solve the problem

**3. Is  $D+A+B+C$  even where A, B, C and D are natural numbers?**

- (1) The product of A, B and C is odd.
- (2) The product of D and C is even.

- ☐ A Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
- ☐ B Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
- ☐ C BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- ☐ D EACH statement ALONE is sufficient.
- ☐ E Statements (1) and (2) TOGETHER are NOT sufficient.

**4. If  $(m + 3)$  is an even integer, which of the following is always an odd integer?**

- ☐ A  $5m + 19$
- ☐ B  $\frac{(m+3)}{2}$
- ☐ C  $2m + 7$
- ☐ D  $m + 1$
- ☐ E  $(m + 3)(m + 4)$

5. A shopkeeper marks his goods 50% above the cost price, but allows a discount of 20% on the marked price. Find his gain percentage.

- ☐ A 20%
- ☐ B 40%
- ☐ C 80%
- ☐ D 100%
- ☐ E 120%

6. The roots of the equation  $x^2 + x + 1 = 0$  are  $\alpha$  and  $\beta$ , and the roots of the equation  $x^2 + ax + b = 0$  are  $\alpha/\beta$  and  $\beta/\alpha$ . Then the value of  $a$  is

- ☐ A 0
- ☐ B 1
- ☐ C 2
- ☐ D 3
- ☐ E 4

**Directions: Solve Questions 7-10 based on the information given below.**

Table 1 shows the number of Science and Engineering doctorates from different countries between 1989 and 1993. Table 2 shows the number of only Engineering doctorates from the same countries for the same period of time. Go through the given tables and solve the questions based on them.

**Table 1**  
**Science and Engineering Doctorates**

Field/Year of Doctorate	Asia	China	India	Japan	South Korea	Taiwan
1989	10,035	1,024	4,209	3,561	984	257
1991	10,871	1,198	4,294	3,874	1,135	370
1993	12,587	1,895	4,320	4,438	1,421	513

**Table 2**  
**Engineering Doctorates**

Field/Year of Doctorate	Asia	China	India	Japan	South Korea	Taiwan
1989	3,621	726	586	1,774	415	120
1991	4,100	767	629	2,029	466	209
1993	4,700	1,069	323	2,362	659	287

7. What was the approximate percentage increase in the number of Science doctorates from India between 1989 and 1991?

- ☐ A 1.16%
- ☐ B 2.00%
- ☐ C 7.33%
- ☐ D 42.00%
- ☐ E 43.00%

8. In 1993, what percentage of the Science doctorates from Asia were from India?

- ☐ A 6.87%
- ☐ B 34.32%
- ☐ C 37.34%
- ☐ D 50.67%
- ☐ E 62.65%

9. The table shows the number of only Engineering doctorates from the same countries in 2003.

Field/Year of Doctorate	Asia	China	India	Japan	South Korea	Taiwan
2003	NA	6,573	779	3,921	1,868	656

Which country recorded the least percentage increase in the number of engineering doctorates from 1989 to 2003?

- ☐ A India
- ☐ B China
- ☐ C Japan
- ☐ D Taiwan
- ☐ E South Korea

**10. From 1989 to 1993 what percentage of Engineering doctorates from Asia were from countries other than India?**

- ☐ A 12.39%
- ☐ B 16.18%
- ☐ C 50.36%
- ☐ D 61.71%
- ☐ E 87.61%

11. Which represents 28 written in base 4?

- ☐ A 13
- ☐ B 31
- ☐ C 130
- ☐ D 301
- ☐ E 310

12. Tap A can fill a pool in 0.4 hours and Tap B can fill the same pool in  $\frac{8}{15}$  hours. Both the taps are turned on simultaneously. After how much time should Tap B be turned off so that the pool is filled completely in 18 minutes?

- ☐ A 6 minutes
- ☐ B 7 minutes
- ☐ C 8 minutes
- ☐ D 10 minutes
- ☐ E 11 minutes

13. Find the value of the following expression:

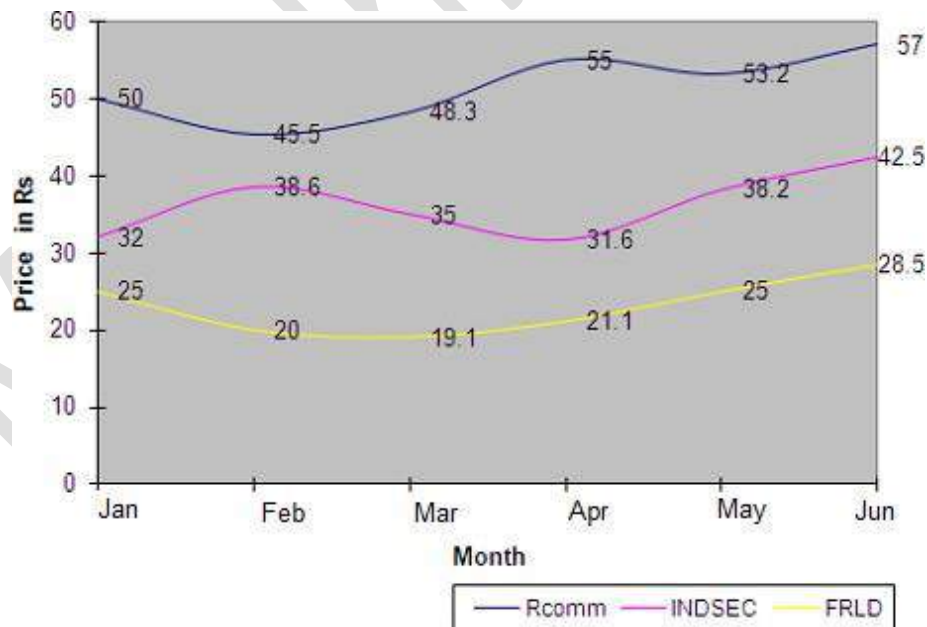
$$9^{1/3} \times 9^{1/9} \times 9^{1/27} \times 9^{1/81} \times \dots \infty$$

- ☐ A 3
- ☐ B  $3\sqrt{3}$
- ☐ C  $3\sqrt{3} + 3$
- ☐ D 9
- ☐ E  $9\sqrt{3} + 1$

Directions: Solve the questions 14-17 based on the information given below.

Go through the given information and solve the question based on it.

The following chart gives the average price of a share at the end of each month, for the first six months of the year. The three lines represent data for the shares of three different companies listed on the BSE (Bombay Stock Exchange) as Relay Communication (Rcomm), India Securities (INDSEC) and My Fair Lady Inc. (FRLD).





**Note: For the month being considered, only the average price at the end of the month has to be taken into account.**

**14. Mr. Chinta has Rs 25,000. He buys Rcomm shares with this amount in January, and sells the same shares in March. He then buys INDSEC, out of the proceeds. How many INDSEC shares does he get?**

☐ A 490

☐ B 590

☐ C 690

☐ D 790

☐ E 890

**15. Mr. Chinta has Rs 20,000. Which option will earn him maximum returns on his investment?**

☐ A Buy FRLD in May and sell it in June

☐ B Buy Rcomm in April and sell it in June

☐ C Buy FRLD in February and sell it in April

☐ D Buy Rcomm in January and sell it in April

☐ E Buy INDSEC in January and sell it in February

**16. Which share(s) showed the maximum percentage increase from January end till the end of June?**

- ☐ A FRLD
- ☐ B INDSEC
- ☐ C Rcomm
- ☐ D Both FRLD and Rcomm
- ☐ E Insufficient data

**17. Which of the following is/are true?**

- I. The average price of Rcomm during the six-month period is Rs 51.50.
- II. The price of FRLD, increases from the end of February till June.
- III. At the end of March, only FRLD reports a decrease in price.

- ☐ A Only I
- ☐ B Only II
- ☐ C Only III
- ☐ D Only I and II
- ☐ E Only II and III

**18. Which of the following could be the sum of any 12 consecutive natural numbers?**

- ☐ A 92
- ☐ B 198
- ☐ C 328
- ☐ D 412
- ☐ E 1,570

**19. A tank contains a mixture of 200 litres of wine and water. 20% of the mixture is water and the remaining is wine. How many litres of water should be added to the mixture to increase the percentage of water to 25% in the new mixture?**

- ☐ A 13.33
- ☐ B 16.33
- ☐ C 19.33
- ☐ D 22.33
- ☐ E 25.33

20. In  $\triangle ABC$ ,  $AD$  bisects  $\angle BAC$ . If  $AB = 12$  cm,  $AC = 10$  cm and  $BD = 6$  cm, then what is  $BC$ ?

- ☐ A 5 cm
- ☐ B 11 cm
- ☐ C 26 cm
- ☐ D 30 cm
- ☐ E 34 cm

Directions: A question is followed by two statements, numbered (1) and (2). Using the information provided and general knowledge, decide whether the information given is sufficient to solve the problem.

21. A, B, C, D and E are five positive integers such that D is the average of A and E. Which is the largest of the five integers?

- (1)  $A - E$  is negative, and B is not the smallest of all.
- (2)  $E - C$  is negative, and B is not the largest of all.

- ☐ A Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient.
- ☐ B Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient.
- ☐ C BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- ☐ D EACH statement ALONE is sufficient.
- ☐ E Statements (1) and (2) TOGETHER are NOT sufficient.

**22. What is the unit digit in  $17^{222}$ ?**

☐ A 1

☐ B 3

☐ C 4

☐ D 7

☐ E 9

**23. At what time (approximately) between 3 AM and 4 AM will the hour and minute hand of an analogue clock make 36 degrees between them?**

☐ A 3:09:49 AM

☐ B 3:22:55 AM

☐ C 3:44:39 AM

☐ D Both 3:09:49 AM and 3:22:55 AM

☐ E Both 3:09:49 AM and 3:44:39 AM

**Directions:** A question is followed by two statements, numbered (1) and (2). Using the information provided and general knowledge, decide whether the information given is sufficient to solve the problem.

**24. A circle circumscribes a square. What is the area of the square?**

- (1) Radius of the circle is given.  
(2) Length of the tangent from a point is 5 cm away.

- ☐ A Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
- ☐ B Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
- ☐ C BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- ☐ D EACH statement ALONE is sufficient.
- ☐ E Statements (1) and (2) TOGETHER are NOT sufficient

**25. What is the value of  $7^{(3 + \log_7 5)}$ ?**

- ☐ A 1,200
- ☐ B 1,715
- ☐ C 3,140
- ☐ D 3,460
- ☐ E 8,575

26. The average age of three people living in a house – man, woman and child, is 24 years. If the man leaves and his mother stays in his place, then the average age in the house becomes 34 years. How much older is the mother than her son?

☐ A 20

☐ B 25

☐ C 30

☐ D 32

☐ E 36

27. The coordinates of vertices  $P$  and  $Q$  of an equilateral triangle  $PQR$  are  $(-4, 0)$  and  $(4, 0)$  respectively. Which of the following could be the coordinates of vertex  $R$ ?

A -  $(0, 2\sqrt{3})$

B -  $(0, 4)$

C -  $(0, 4\sqrt{3})$

D -  $(4\sqrt{3}, 0)$

E -  $(4, 4\sqrt{3})$

28. A student attempts a question paper comprising 5 true or false questions. If he answers the entire paper randomly, what is the probability that he answers exactly 4 questions correctly?

☐ A  $\frac{5}{243}$

☐ B  $\frac{1}{8}$

☐ C  $\frac{5}{32}$

☐ D  $\frac{5}{16}$

☐ E  $\frac{5}{8}$

29. An ice-cream truck crossed Sudha's house every  $\frac{1}{4}$  hours,  $\frac{5}{6}$  hours and  $1\frac{5}{2}$  hours. If the ice-cream truck crossed Sudha's house at 2:00 pm, at what time would it next cross her house?

☐ A 2:30 pm

☐ B 3:30 pm

☐ C 5:30 pm

☐ D 7:30 pm

☐ E 9:30 pm



30. Two trains A and B leave Delhi for Bangalore at 9 am and 9:30 am respectively. Train A travels at a speed of 120 km/hr while Train B travels at a speed of 150 km/hr. At what distance from Delhi will the two trains meet?

- ☐ A 30 km
- ☐ B 60 km
- ☐ C 120 km
- ☐ D 270 km
- ☐ E 300 km

31. Consider the equation  $y^2 - py + q$ . If the roots of the given equation are  $a$  and  $b$ , find the equation whose roots are  $(ab + a + b)$  and  $(ab - a - b)$ .

- ☐ A  $y^2 - 4y + p^2 = 0$
- ☐ B  $y^2 + yq^2 - p^2 = 0$
- ☐ C  $y^2 - 2y + q^2 + p^2 = 0$
- ☐ D  $y^2 + 2qy - q^2 - p^2 = 0$
- ☐ E  $y^2 - 2qy + q^2 - p^2 = 0$

**Directions:** This problem consists of a question and two statements, labelled (1) and (2), in which certain data are given. Using the information provided and general knowledge, decide whether the information given is sufficient to solve the problem.

**32. Is  $x$  an integer, is it odd?**

- (1)  $3x$  is an odd integer.
- (2)  $x/3$  is an odd integer.

- ☐ A Statement (1) ALONE is sufficient, but statement (2) ALONE is not sufficient.
- ☐ B Statement (2) ALONE is sufficient, but statement (1) ALONE is not sufficient.
- ☐ C BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- ☐ D EACH statement ALONE is sufficient.
- ☐ E Statements (1) and (2) TOGETHER are NOT sufficient.

**33. The sum of five consecutive even numbers is 280. What is the largest number?**

- ☐ A 50
- ☐ B 52
- ☐ C 58
- ☐ D 60
- ☐ E 62

**34. Girish bought a car and got a dealer's discount of 15% on the original price. He sold it at a profit of 20% on the purchase price. If he had got a discount of 12% on the original price and had sold it for the same profit percentage of the purchase price, what would be the difference in the profit percentages of the two transactions?**

- ☐ A 2%
- ☐ B 3.6%
- ☐ C 5%
- ☐ D 5.6%
- ☐ E 8%

**35. Aahir gets pocket money of Rs 2 every Monday, Rs 4 every Tuesday, Rs 8 every Wednesday and so on. What is his total pocket money that he will receive in two weeks, considering a week starts from Monday?**

- ☐ A 126
- ☐ B 252
- ☐ C 254
- ☐ D 504
- ☐ E 508

36. Find the area of the square inscribed in a circle of radius 25 cm.

- ☐ A 225 sq cm
- ☐ B 500 sq cm
- ☐ C 525 sq cm
- ☐ D 625 sq cm
- ☐ E 1,250 sq cm

**Directions:** Solve the questions 37-40 based on the information given below.

Go through the given table and solve the question based on it.

**Railway Time Table – East West Express**

City	Arrival Time (h)	Departure Time (h)	Cumulative Mileage
Mumbai	--	0900	0
Igatpuri	1100	1102	80
Nasik	1450	1455	281
Bhusawal	1710	1712	391
Akola	2240	2245	730
Nagpur	0005	0015	800
Durg	0100	0102	845
Jamshedpur	0415	0428	995
Kolkata	0625	--	1100

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## Logical Reasoning Questions

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1. Six people - A to F - are sitting around a circular table such that A is sitting two places to the left of E, who is not adjacent to C and F. D is to the right of E and A is sitting between B and F. Who is sitting opposite D?

☐ A    A

☐ B    B

☐ C    C

☐ D    F

☐ E    E

2. Directions: In the following question, there are five choices (A-E). Four of them are alike and one is different. Mark the one that is different

☐ A    calm

☐ B    cool

☐ C    tipsy

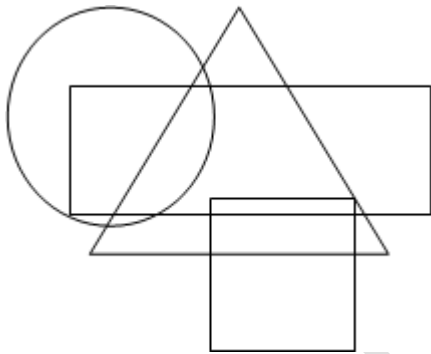
☐ D    sober

☐ E    composed

3. How many pairs of letters are there in the word "encyclopedia" such that in the word, each pair has as many letters between them as there are in the English alphabet?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 4
- ☐ E more than 4

Directions: Solve question 4 based on the information given below.



The Rectangle represents students studying Mathematics.

The Square represents students studying Physics.

The Circle represents students studying Chemistry.

The Triangle represents students studying English.

**4. Which of the following statements is true?**

- ☐ A All students studying Chemistry also study English.
- ☐ B There are some students who study all four subjects.
- ☐ C All students who study Chemistry study at least one more subject.
- ☐ D There are some students who study all subjects except Chemistry.
- ☐ E Some students who study Mathematics and Chemistry also study Physics.

**Directions:** A statement is given followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. Consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

**5. Statements:**

A very large number of aspiring students applied for admission to the professional courses run by a renowned college in town.

**Assumptions:**

- I. All applicants may be able to get admission to the college.
- II. The admission process adopted by the renowned college may be fair to all applicants.

- ☐ A Only Assumption I is implicit.
- ☐ B Only Assumption II is implicit.
- ☐ C Either Assumption I or II is implicit.
- ☐ D Neither Assumption I nor II is implicit.
- ☐ E Both Assumptions I and II are implicit.

**Directions:** A statement is followed by a few suggested courses of action. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy etc. On the basis of the information given in the statement, decide which of the suggested courses of action should logically be pursued.

**6. Statement:**

There have been a lot of deaths of policemen fighting insurgents in several attacks in many states of the country.

**Course of Action:**

- I. Policemen should avoid going to such places dominated by insurgents to maintain peace.
- II. The Government should provide them protection and better equipment to fight these forces.
- III. The Government should try to negotiate with these forces and bring them to the mainstream.

- ☐ A Only I should be pursued.
- ☐ B Only II should be pursued.
- ☐ C Only III should be pursued.
- ☐ D Both I and III should be pursued.
- ☐ E Both II and III should be pursued.

**Directions:** Given alongside is a statement followed by three arguments numbered I, II and III. Decide which of the given arguments is strong and is able to support the given statement.

**7. Statement:**

Should category-based reservations in colleges and offices be banned?



**Arguments:**

I. No. Otherwise, those who belong to the underprivileged categories will not be able to climb up the social ladder.

II. Yes. Category should not be an excuse to avoid the line of merit.

III. Yes. This does not allow for a common platform for everyone and actually creates an unequal and category-based society.

- ☐ A Only I is strong.
- ☐ B Only II is strong.
- ☐ C Only III is strong.
- ☐ D Both II and III are strong.
- ☐ E None of them are strong.

**Directions:** Given alongside are a few facts. Based on these facts, select from among the given statements, the statement that can be best concluded.

**8. Facts:**

Fact 1: In the Nawab Trophy, 3 Asian, 2 European and 1 African team participated.

Fact 2: All Asian team-names are made up of 5 letters.

Fact 3: The name of the African team starts with a "Z".

**Statements:**

I. Zonnie is the African team participating in the Nawab Trophy.

II. If a team named Germenz is participating, it must be from Europe.

III. If an Asian team named Jenno is participating, then the participating team named Rhinos could not be from Asia.

- ☐ A Only I can be concluded.
- ☐ B Only II can be concluded.
- ☐ C Only III can be concluded.
- ☐ D Both I and III can be concluded.
- ☐ E Both II and III can be concluded.

9. In a certain code language, 'I Love you' is coded as 143, 'I Miss You' is coded as 153, 'Pretty miss' is coded as 75 and 'You are Pretty' is coded as 718. What is the code for 'are' in this language?

☐ A 1

☐ B 3

☐ C 5

☐ D 7

☐ E 8

10. If the code of 'ROHIT' is '72314', the code of 'ASHU' is '5638' and the code of 'NIRMA' is '91705', then what is the code of 'RAMAN'?

☐ A 75059

☐ B 79095

☐ C 76069

☐ D 75096

☐ E 79594

11. If the code of 'The sword of Tipu' is '4139', the code of 'Sword purchased by Vijay' is '2746', the code of 'Tipu purchased sword new' is '9645' and the code of 'Tipu by fort Vijay' is '9782', then what is the code of 'Vijay Tipu by new'?

- ☐ A 5481
- ☐ B 7259
- ☐ C 8413
- ☐ D 6492
- ☐ E 7135

12. In a certain code, 'Chocolates cause tooth decay' is written as 'OL U O C', 'Brushing prevents tooth decay' is written as 'SH VE O C' while 'Rahul has toothache' is written as 'H A H'. How will 'Doctor extracted tooth' be coded?

- ☐ A C AC OO
- ☐ B CT AC OT
- ☐ C C TA O
- ☐ D CT A O
- ☐ E AC O T

Directions: Solve questions 13-16 based on the information given below.

Foodie Restaurant is planning to open a new branch in the city where 2 cooks and 3 waiters are required. There are three cooks Amit, Sumit, Punit and five waiters Damini, Rajni, Shalini, Ragini, and Sohini to choose from.

Some other known facts are:

- 1) Damini and Ragini have not been on speaking terms and shouldn't be teamed together.
- 2) Damini and Shalini have been competing for promotion and shouldn't be in the same team.
- 3) Amit and Punit are constantly finding faults with each other and should not be sent together to the new branch as a team.
- 4) Punit and Rajni function well alone but not as a team and shouldn't be made to work together.

**13. If Amit is to be moved as one of the cooks, which of the following cannot be a possible working unit?**

- ☐ A Amit – Sumit – Damini – Ragini – Sohini
- ☐ B Amit – Sumit – Shalini – Ragini – Sohini
- ☐ C Amit – Sumit – Damini – Rajni – Sohini
- ☐ D Amit – Sumit – Rajni – Shalini – Sohini
- ☐ E Amit – Sumit – Rajni – Ragini – Sohini

**14. If Punit and Shalini are moved to the new branch, how many combinations are possible?**

☐ A 0

☐ B 1

☐ C 2

☐ D 3

☐ E 4

**15. If Punit is sent to the new branch, which member of the staff cannot go with Punit?**

☐ A Sumit

☐ B Damini

☐ C Shalini

☐ D Ragini

☐ E Sohini

**16. If Damini goes to the new branch, which of the following is true?**

- I. Punit cannot go.
- II. Amit cannot go.
- III. Sohini must also go.

- ☐ A Only I is true.
- ☐ B Only II is true.
- ☐ C Only III is true.
- ☐ D Both I and II are true.
- ☐ E Both I and III are true.

**Directions: Solve the questions 17-20 alongside based on the information given below.**

**In the recently concluded World Series Chess tournament, players P1, P2, P3, P4, P5, P6, P7, and P8 participated. Each player played against every other player exactly once. Five players out of these eight players won exactly five matches each. Assume that only these eight players were participating in the tournament. Also, there were no draws/ ties in the tournament.**

**Some information about the results of some of the matches played was also known. It was known that P2, P3, P4 and P5 won their matches against P7.**

**P1 won against P6 while P7 lost against P6.**

**P7 won against P8 while P1 lost against P3 and P4.**

**17. At the most, how many matches were won by P1?**

☐ A 1

☐ B 2

☐ C 3

☐ D 4

☐ E 5

**18. How many matches were won by P6?**

☐ A 1

☐ B 2

☐ C 4

☐ D All

☐ E Cannot be determined

19. If P8 won against P2, while P6 won against P3, then which are the two players against which P5 lost matches?

- ☐ A P1 and P3
- ☐ B P3 and P4
- ☐ C P2 and P6
- ☐ D P1 and P6
- ☐ E P3 and P6

20. How many players won exactly one match?

- ☐ A 1
- ☐ B 2
- ☐ C 3
- ☐ D 1 or 2
- ☐ E 1 or 3

Directions: Solve questions 21-24 based on the information given below.

A computer program converts an input series into an output series in four steps as shown below. Using the same logic, answer the question that follows.



<b>Input</b>	ant	antelope	catapult	dollop	elves	frog
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<b>Step I</b>	antelope	ant	dollop	catapult	frog	elves
<b>Step II</b>	dollop	ant	antelope	elves	frog	catapult
<b>Step III</b>	catapult	frog	elves	antelope	ant	dollop
<b>Step IV</b>	frog	elves	dollop	catapult	antelope	ant

21. If the input series is 10, apple, 14, mangoes, 17, oranges, what is the final output at Step IV?

- ☐ A 10, mangoes, 17, apple, 14, oranges
- ☐ B 10, 14, 17, mangoes, apples, oranges
- ☐ C 17, mangoes, 14, apples, 10, oranges
- ☐ D mangoes, 14, apples, 10, oranges, 17
- ☐ E oranges, 17, mangoes, 14, apples, 10

22. If the Step III output was 60, 70, 80, 90, 100, 110, then what was Step 1?

- ☐ A 110, 100, 90, 80, 70, 60
- ☐ B 100, 80, 90, 60, 70, 110
- ☐ C 100, 90, 80, 70, 60, 110
- ☐ D 90, 100, 110, 60, 70, 80
- ☐ E 80, 70, 90, 110, 100, 60

**23. If the output at Step II is 26, 34, 76, 89, 23, 12, then what is the final output?**

- ☐ A 89, 76, 34, 23, 12, 26
- ☐ B 23, 89, 26, 12, 76, 34
- ☐ C 34, 76, 12, 26, 89, 23
- ☐ D 12, 23, 26, 34, 76, 89
- ☐ E 89, 76, 34, 26, 23, 12

**24. If an input element, 45, occupies the 3<sup>rd</sup> position in the series at Step III, then what was its position in Step 1?**

- ☐ A 2<sup>nd</sup>
- ☐ B 3<sup>rd</sup>
- ☐ C 4<sup>th</sup>
- ☐ D 5<sup>th</sup>
- ☐ E 6<sup>th</sup>

**25. Savita is the mother-in-law of Vanita, who in turn is the sister-in-law of Deepu. Rahul is the father of Ramesh, the only brother of Deepu. How is Savita related to Deepu?**

- ☐ A Mother
- ☐ B Sister
- ☐ C Daughter
- ☐ D Sister-in-law
- ☐ E Granddaughter

**26. Al, Ak and At are the children of Mr & Mrs Sds. Mrs Sds is the aunt of Sg. Sg is not the only sister of Bt. Bt is the only brother of Dv. At is the only son of Mr. Sds. What is the relationship between Al and Dv?**

- ☐ A Male cousins
- ☐ B Brother-sister
- ☐ C Female cousins
- ☐ D Sister-brother
- ☐ E Cousins, but no other information is available

**27. The complaints in Tatkal bookings are increasing day by day. Overwhelmed by the number of complaints, the Railway department has decided to reduce the advance reservation period from two days to one day. Besides this, there will be no refund upon cancellation of confirmed Tatkal tickets, except in the case of cancelled trains or delays in arrival or departure times of trains.**

**Which of the following options cannot be a conclusion that can be drawn from the given information?**

- ☐ A No refund will be made upon the cancellation of confirmed tickets in any case.
- ☐ B Some of the trains may get cancelled or run later than the original schedule.
- ☐ C The Railway department is making efforts to improve the scenario by changing some rules.
- ☐ D The Tatkal booking system is not functioning well, the Railway department realizes this.
- ☐ E Tatkal booking cannot be done on a Friday if the train is scheduled for the following Monday.

**28. The condition of hospitals in State A is very poor. Patients do not have bed facilities in 50% of the hospital wards. Over 500,000 children belonging to Below Poverty Line (BPL) families remain devoid of basic medical care. Not even 5% of the hospitals have adequate doctors, technical staff and nurses. Many patients in need of emergency treatment died this month.**

**Which of the following statements can be inferred from the information given above?**

- ☐ A If vacant positions are filled, the conditions of hospitals will improve.
- ☐ B There are exactly 500,000 parents belonging to BPL families in State A.
- ☐ C A large number of hospitals in other states have all basic medical facilities.
- ☐ D People belonging to non-BPL families do not have any complaints regarding the hospitals.
- ☐ E If the number of necessary doctors, technical staff and nurses is fulfilled, there will be no death in the hospitals.

**29. "If you are an MBA aspirant, and hence are preparing for various entrance exams, you should study Thorman Lewis to enhance your vocabulary" – an advertisement.**

**Which of the following assumptions is not implicit in the above statement?**

- ☐ A MBA aspirants generally prepare for entrance exams.
- ☐ B Thorman Lewis is a book meant only for MBA aspirants.
- ☐ C If asked for, Thorman Lewis is available for the readers.
- ☐ D For an MBA aspirant it is important to have enhanced vocabulary.
- ☐ E There are some people who would want to prepare for MBA and will read this advertisement.

**30. There should be special tax rebates for small scale enterprises as these enterprises create numerous jobs for thousands of people. It is also suggested that company laws should be flexible up to a certain limit for the small scale industries.**

**Which of the following, if true, most severely weakens the argument?**

- ☐ A Company laws can be easily changed for the sectors that create jobs.
- ☐ B Tax rebates and flexibility of laws will encourage people to engage in only small scale enterprises.
- ☐ C All the small scale enterprises together generate huge revenues and so tax rebates should be there for them.
- ☐ D Most small scale industries, over time, become big enterprises even without any form of rebates or government support.
- ☐ E Some small scale industries are usually subsidiaries of giant ventures so tax rebate and flexible laws are not a viable option.

**31. Coconut oil is good for hair.**

**Which of the following statements strengthens the above argument?**

- ☐ A Scientists have found that coconut oil penetrates into the cortex region of the hair, helping to strengthen it.
- ☐ B Ever since Sheeba started applying coconut oil on her hair, she has been encountering hair loss.
- ☐ C Coconut oil makes hair greasier than some of the other oils that can be applied on hair.
- ☐ D Trichologists have stated many times that coconut oil is not suitable for everyone.
- ☐ E Sometimes, excessive application of coconut oil can make hair brittle.

**32. The global economy is at a stand-still. None of the big companies are willing to invest money in any project. Company Y, the largest international online retail chain, is planning to invest three billion dollars in the Indian market, while a group of investors gave one billion dollars to Company Z, India's number one retail giant, in order to strengthen its online business in India.**

**Which of the following can be inferred from the passage above?**

- ☐ A India is not impacted by changes in the global economy.
- ☐ B Internet retailers consider India to be the fastest growing market.
- ☐ C It is safe to invest in India as it will always bring profit to the company.
- ☐ D Companies Y and Z must be small companies as they have invested in India.
- ☐ E The amount, three billion dollars, is not a big amount for companies like Company Y.

**33. Among the members of club XYZ, 42% are post-graduates, 43% are sportsmen, and 44% are politicians. Among them, 12% are both post-graduates and sportsmen, 13% are both sportsmen and politicians, 14% are post-graduates and politicians, and 4% are post-graduates, sportsmen and politicians. Thirty-six members of XYZ are neither post-graduates nor politicians nor sportsmen.**

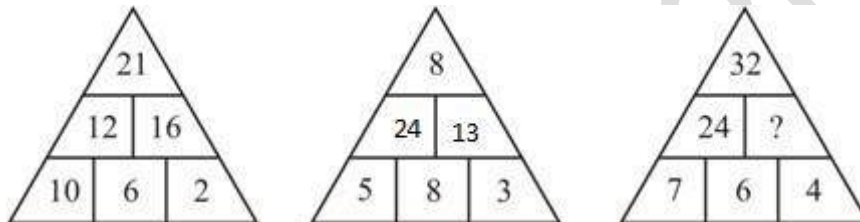
**How many people come under exactly any two of the three categories?**

- ☐ A 162
- ☐ B 220
- ☐ C 200
- ☐ D 186
- ☐ E 240

34. In a class of 125 students, a survey was conducted with regard to their liking for three cricketers: SRT, MSD and ZACK. 60 students liked SRT, 65 students liked MSD and 70 students liked ZACK. 25 liked both SRT and MSD, 35 liked both ZACK and SRT, and 30 liked ZACK and MSD. 5 students liked all three cricketers. For how many students was at least one cricketer not selected?

- ☐ A 75
- ☐ B 85
- ☐ C 95
- ☐ D 100
- ☐ E 120

35. Which number can replace the question mark in the figure below?



- ☐ A 10
- ☐ B 13
- ☐ C 24
- ☐ D 28
- ☐ E 42

**36. Most people are afraid of failure and seek only success. Some say failure is the key to success. If a person does not know failure, he would not understand success. Everyone loses at some point in life. In any case, one cannot achieve absolute success in life.**

**What should be an experienced person's advice to people struggling with failures in life?**

- ☐ A Experience is nothing but learnings from failure.
- ☐ B Failure is the stepping stone to success. So, one must seek failure.
- ☐ C We cannot succeed without failure and should not always chase success.
- ☐ D Failure means inexperience, so we should take initiatives to gain experience, and then succeed.
- ☐ E First, we must think only about experience and not about success, and then, focus only on success.



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## Language Skills Questions

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**Directions:** Answer questions 1-4 based on the passage given below.

### Passage

As an author of short stories, plays and novels, Charles Dickens became known the world over for endearing characterisation, vivid narration of ordinary lives, and depiction of the social and moral values of his time. For years, Dickens thrilled the readers with his simple stories about simple people forced into real situations.

Although Dickens wanted to make a lot of money from his writings, his works invariably aimed to influence the consciousness of his readers even though it seemed like he knew what his readers wanted.

To some critics, Dickens was an entertainer and his novels lacked intellectual challenge, but the *London Times* described the British author as the greatest instructor of the nineteenth century in his obituary. The unparalleled sentimentality, rage, plight and bitterness in his novels established Dickens as a spokesman for the downtrodden.

Dickens was born on February 7, 1812 into a poor family in Portsmouth on the southern coast of England. He was the second of eight children. In 1822, the Dickens family moved to Camden Town, a poor neighbourhood in London. The extravagance of his father often brought financial embarrassment to the family and eventually imprisonment for him in 1824. This brought an abrupt end to Dickens' childhood. He had to discontinue his schooling and support his family by doing manual work at a factory. Young Dickens was rudely introduced to long hours of harsh working conditions and poor pay. He felt orphaned and betrayed by his parents who he believed should have taken care of him in his childhood. These feelings later became a recurring theme of many of his novels. Characters like Oliver Twist and David Copperfield developed from the harsh experiences of Dickens' early life.

Dickens' literary journey started in 1833 when he submitted sketches to various magazines and newspapers under the nickname "Boz". In 1836, he published *The Posthumous Papers of the Pickwick Club*, which became widely popular with magazine readers. Soon, his first novel, *Oliver Twist*, depicting the life of an orphan and inspired by Dickens' own experience as an impoverished child, hit the stands. The overwhelming success of *Oliver Twist* turned Dickens into a celebrity and over the next few years he had to struggle to match the literary and commercial standard the book had set.

In 1842, Dickens and his wife, Kate, went on a tour of the United States, where people went crazy listening to him. Upon his return, Dickens wrote *American Notes for General Circulation*, a sarcastic travelogue criticising American culture and materialism.

Over the next couple of years, Dickens published two Christmas stories including the classic *A Christmas Carol*. From 1849 to 1850, Dickens worked passionately on his favourite novel *David Copperfield*, a sort of autobiography and probably the first work of its kind.

The deaths of his daughter and father and separation from his wife in the 1850s cast a dark shadow on Dickens' writing during this period. He returned to his original style with *A Tale of Two Cities* in 1859, a historical novel, followed by *Great Expectations* in 1861, widely considered his greatest literary feat.

On June 9, 1870, Dickens suffered a stroke and died at his country home in Kent, England.

**1. The author most likely agrees with all of the following statements EXCEPT:**

- ☐ A Dickens blamed his parents for enduring a harsh childhood.
- ☐ B Dickens was not impressed by the materialism of the American society.
- ☐ C Dickens' novels portrayed the attitude of the society towards the downtrodden.
- ☐ D To some of his critics Dickens was an entertainer and his writing was not intellectually challenging.
- ☐ E *David Copperfield*, a biographical account of Dickens' life, is often cited as his best literary achievement.

2. The passage is primarily concerned with:

- ☐ A Dickens' novels and his characters.
- ☐ B Dickens' success as a writer.
- ☐ C Dickens' harsh childhood.
- ☐ D Dickens' life story.
- ☐ E Dickens' writing.

3. Which of the following statements is best taken to be true in the context of the passage?

- ☐ A Dickens played the role of an instructor through his writings.
- ☐ B Dickens was the best British author of the nineteenth century.
- ☐ C No other Dickens' novel could ever match the standard set by *Oliver Twist*.
- ☐ D Dickens' writing became sarcastic after the deaths of his daughter and father.
- ☐ E All of Dickens' novels were based on the personal experiences of his childhood.

**4. Which of the following statements, if true, would most weaken the author's argument?**

- ☐ A Dickens' parents were responsible for his harsh childhood.
- ☐ B Dickens sympathised with his characters who often survived a life of struggle.
- ☐ C Dickens' writing emphasised how simple people got forced into real situations.
- ☐ D Characterisation of David Copperfield and Oliver Twist are suggestive of Dickens' harsh life.
- ☐ E Dickens wrote his classics during the period of shock that he experienced after the deaths of his daughter and father.

**Directions: Answer questions 5-8 based on the passage given below.**

**Passage**

A team of scientists need to understand the impact of a nuclear explosion on a concrete bunker. Another team of engineers is trying to design an aeroplane that can withstand high wind shear while flying. It is not always possible to carry out direct experimentation or trial to test many real-life situations. Herein, lies the need for developing a modelling system that can incorporate all variables and data to produce a result that can help study the phenomenon at hand. This modelling system is what we call computer simulations. They were first designed as a tool to study metrological phenomenon and nuclear physics. The list has steadily grown to incorporate many other areas of modern society like medical sciences, construction, economics, astrophysics etc.

A computer simulation is a computer program or a model that tries to recreate a model of a particular system in a virtual world. For example, if you want to see the impact of a comet striking Earth, you do not want to wait for a real event, but you also do not want to be caught napping before such an event actually occurs. So, what you do is create a virtual system which resembles a real-world system with objects similar to Earth and the comet, along with parameters like speed, atmosphere, mass etc., as close to reality as possible. This may seem like some grandiose plan of science fiction, but even medical science benefits by using simulations to see the impact of new medicines, thereby helping to cut down risks associated with clinical trials. Architects use the same modelling approach before designing a new bridge or a skyscraper.

There are different types of simulation models. First is the discrete model in which the changes to the system occur at specific times. Second is the continuous model in which the state of the system changes continuously over time. Third is the mixed model in which both discrete and continuous elements are contained. The type of data needed to build a computer simulation includes: the overall process flow, what is being produced or acted on (entities), frequencies at which the entities arrive in the program, the length of time individual steps in the process take, probability distribution that characterise real-life uncertainties and variations in the process.

Computer simulations are also helpful in analysing “what if” scenarios. The advantages of computer simulations include gaining a greater understanding of the process; identifying any potential obstructions or flaws; being able to effectively evaluate processes which have changing variables and even help mitigate possible problems. Computer simulations have indeed provided an enormous impetus to how we do our research and planning.

**5. What is the primary purpose of this passage?**

- ☐ A Refute the importance of computer simulation.
- ☐ B Discuss simulation, their uses and advantages.
- ☐ C Outline the developmental history of simulations.
- ☐ D Debate the pros and cons of computer simulation.
- ☐ E Describe one particular application of the simulation.

**6. Based on the passage, which of the following best describes the author's tone when writing about computer simulations?**

- ☐ A Wry humour
- ☐ B Bitter sarcasm
- ☐ C Open optimism
- ☐ D Veiled cynicism
- ☐ E Forthright scepticism

**7. The author mentions all of the following EXCEPT:**

- ☐ A simulations have reduced the need for direct experimentation.
- ☐ B simulations are able to account for changing variables in a system.
- ☐ C simulations have a limited capacity to evaluate hypothetical scenarios.
- ☐ D studying the effects of a new drug being developed can be aided by simulations.
- ☐ E the amount of traffic a new bridge in the city can handle can be gauged with simulations.

**8. Based on the given information, what can be inferred about the author's opinion of the use of computer simulations in medicine?**

- ☐ A The author is sceptical.
- ☐ B The author is circumspect.
- ☐ C The author remains neutral.
- ☐ D The author supports its use.
- ☐ E The author is against its use.

9. Select the word or phrase that is nearly the opposite in meaning to the given word:  
*demean*

- ☐ A incite
- ☐ B praise
- ☐ C humble
- ☐ D disgrace
- ☐ E suppress

10. Select the word or phrase that is nearest in meaning to the given word: *elucidate*

- ☐ A clarify
- ☐ B confuse
- ☐ C befuddle
- ☐ D convince
- ☐ E contradict

**11. Select the word or phrase that is nearest in meaning to the given word: *jejune***

- ☐ A arid
- ☐ b trivial
- ☐ c childlike
- ☐ d absorbing
- ☐ e superficial

**12. Select the word or phrase that is nearly the opposite in meaning to the given word:  
*denouement***

- ☐ A proposition
- ☐ B conspiracy
- ☐ C preamble
- ☐ D intrigue
- ☐ E climax



**13. Select the word or phrase that is nearly the opposite in meaning to the given word:**  
***betoken***

- ☐ A belie
- ☐ B auspicate
- ☐ C foretoken
- ☐ D postpone
- ☐ E postpose

**Directions: Solve questions 14-17 based on the information given below.**

The following passage has blanks that have been numbered (1) to (4). From the given words, fill in the blanks with the most appropriate words.

I wanted \_\_\_\_ (1) \_\_\_\_ to the coffee and doughnuts that the management got at work on Fridays. I began to \_\_\_\_ (2) \_\_\_\_ a way to get the goodies by being especially nice to the supervisor's secretary. I didn't want to make my scheme \_\_\_\_ (3) \_\_\_\_ so I didn't stop in to see her every day. I hoped she didn't \_\_\_\_ (4) \_\_\_\_ what I really wanted when I told her how much I loved jelly-filled doughnuts. I wanted to retain my image as a friendly co-worker and still get free food. It worked. She started letting me in the conference room after the morning meeting to help myself to the leftover doughnuts.

**14. \_\_\_\_ (1) \_\_\_\_**

- ☐ A taste
- ☐ b need
- ☐ c desire
- ☐ d excess
- ☐ e access

15. \_\_\_\_ (2) \_\_\_\_

- ☐ A report
- ☐ B forecast
- ☐ C evaluate
- ☐ D memorise
- ☐ E manoeuvre

16. \_\_\_\_ (3) \_\_\_\_

- ☐ A show
- ☐ B appeal
- ☐ C evident
- ☐ D oriented
- ☐ E highlight

17. \_\_\_\_ (4) \_\_\_\_

- ☐ A veil
- ☐ B reveal
- ☐ C surpass
- ☐ D clarified
- ☐ E surmise

**Directions: Solve question 18-21 based on the information given below.**

**Rearrange the jumbled sentences to show the appropriate sequence.**

**18. (A) In reality, researchers have concluded that pain is used as a means to a different end, that end being the destruction of the individual as a person.**

**(B) The second is that the purpose of the pain is to elicit information.**

**(C) The first is that the primary purpose is to inflict pain.**

**(D) There are two common misconceptions about torture.**

**(E) Any information elicited is usually no more than a side benefit; often the victim has no information to give.**

☐ A    ABDCE

☐ B    CBDAE

☐ C    DCBAE

☐ D    ABCDE

☐ E    CDBAE

**19. (A) Wine is an alcoholic beverage, typically made of fermented grape juice.**

**(B) Wine is produced by fermenting crushed grapes using various types of yeast.**

**(C) Yeast consumes the sugars found in the grapes and converts them into alcohol.**

**(D) Besides grapes, other fruits such as apples and berries can also be fermented.**

**(E) And the resultant wines are normally named after the fruit from which they are produced and are called fruit wine or country wine.**

☐ A    ABDCE

☐ B    EDBCA

☐ C    ABCED

☐ D    BEDCA

☐ E    ABCDE

20. (A) Within the span of a single year, close to 40 journalists either disappeared or were found killed in Mexico.
- (B) In the face of this threat to lives, many print and television media houses opted to completely stop reporting on the visible and ongoing drug cartels.
- (C) The general public, in its thirst for news and information, now turns to the relative safety of the internet for updates on the drug scene there.
- (D) Freedom of speech and expression has always been a bit of a risky business for those in the journalistic field.
- (E) Reasons for their disappearance may be traced to open-minded debates about the impropriety of drug use, aired on national media networks.

☐ A ABECD

☐ B ADEBC

☐ C CEABD

☐ D DAEBC

☐ E DBAEC

21. (A) An organism's cells coordinate to keep their division in check and avoid causing cancer, worker ants sacrifice their own fecundity to serve their queen and colony, female lions within a pride suckle one another's young.  
(B) Even if the helpers may not necessarily be putting their lives on the line, they are risking lowering their own reproductive success for the benefit of another individual.  
(C) Although they may not always play out on such an epic scale, examples of selfless behaviour abound in nature.  
(D) Humans help other humans to do everything from obtaining food to finding mates to defending territory.

☐ A CADB

☐ B ABCD

☐ C ACBD

☐ D CBAD

☐ E DBCA

Directions: In the given question, the sentence has four underlined words or phrases. Identify the one underlined word or phrase that must be changed in order to make the sentence correct. Mark E for no error.

22. Safety glass, a toughened glass sheet, is six times stronger than untreating glass.

☐ A Safety glass

☐ B toughened

☐ C times stronger

☐ D untreating

☐ E No error

**23. Directions: Choose the set of prepositions whose meaning and sequence best fits the 3 given sentences.**

1. Withering of rocks \_\_\_\_\_ long periods of time leads to the formation of clay minerals.
2. Large bowls such as salad bowls are often intended \_\_\_\_\_ serve many people at the same time.
3. The chemical compounds that make up perfume can either be manufactured synthetically in labs or extracted \_\_\_\_\_ the flowers or plants.

- (A) to  
(B) off  
(C) over  
(D) from  
(E) since  
(F) despite

☐ A    BAC

☐ B    CBA

☐ C    ACB

☐ D    CAD

☐ E    CAE

Directions: Solve questions 24-26 based on the information given below.

In the given question, the sentence has four underlined words or phrases. Identify the one underlined word or phrase that must be changed in order to make the sentence correct. Mark E for no error.

24. If I had the opportunity, I would have had someone pick up the parcel from your house.

- ☐ A If I had
- ☐ B have had
- ☐ C pick up
- ☐ D from your
- ☐ E No error

25. A major contribution of Maratha sculptors during the medieval age were the creation of the Buddha's images in different human forms.

- ☐ A A major
- ☐ B Maratha sculptors
- ☐ C were the creation
- ☐ D the Buddha's
- ☐ E No error

26. One of the ancient traditions in India commit the guru as well as his disciples to celibacy.

- ☐ A One of the
- ☐ B commit the guru
- ☐ C as well as
- ☐ D to celibacy
- ☐ E No error

27. Directions: Choose the set of prepositions whose meaning and sequence best fit the 3 given sentences.

1. He is so transparent, it is possible to see \_\_\_\_\_ every ploy.
2. Paintings should be done in bright shades so that they may stand \_\_\_\_\_ more vividly.
3. She ran \_\_\_\_\_ all of the main points of her presentation in a few hours.

- (A) into
- (B) through
- (C) behind
- (D) up
- (E) out
- (F) across

- ☐ A ADB
- ☐ B AEB
- ☐ C BDB
- ☐ D BEB
- ☐ E FEB



**28. Directions: Choose the set of prepositions whose meaning and sequence best fits the 3 given sentences.**

1. He just wanted to be left \_\_\_\_\_ peace but his wife continued to nag him all evening.
2. She frowns \_\_\_\_\_ people who gossip in the office during working hours.
3. The principal disapproves \_\_\_\_\_ teachers punishing the students for minor mistakes.

- (A) of
- (B) with
- (C) over
- (D) in
- (E) to
- (F) on

☐ A    BEA

☐ B    DFE

☐ C    DFA

☐ D    EFA

☐ E    BBC

**Directions:** Choose the word or set of words for each blank that best fits the meaning of the sentence as a whole.

**29.** The harsh teacher scolded the students in order to establish her \_\_\_\_\_ over them.

- ☐ A    humanity
- ☐ B    authority
- ☐ C    generosity
- ☐ D    selflessness
- ☐ E    worthlessness

**30. Directions:** Choose the word or pair of words that best completes the relationship to the given pair.

endorse : support :: \_\_\_\_\_ : \_\_\_\_\_

- ☐ A    cavil : nitpick
- ☐ B    abrogate : renew
- ☐ C    desiccate : destroy
- ☐ D    fulminate : fumigate
- ☐ E    hypothecate : guess

**Directions:** Choose the word or set of words for each blank that best fits the meaning of the sentence as a whole.

**31.** The Transport Commissioner's \_\_\_\_\_ idea of making attendance at a road safety

awareness session mandatory for registration of a new vehicle has failed to take off in the district. Motor Vehicles Department sources said it faced many \_\_\_\_\_, both infrastructurally and practically, in such a small district.

- ☐ A    lame ... .. jinx
- ☐ B    appreciable ... .. chaos
- ☐ C    presuming ... .. obstacles
- ☐ D    overconfident ... .. hurdle
- ☐ E    ambitious ... .. impediments

32. Though they were written almost a year after they separated, Salim and Javed's stories were published on the same day.

- A. Though
- B. almost
- C. Salim and Javed's
- D. were published
- E. No error

33. One of the ancient traditions in India commit the guru as well as his disciples to celibacy.

- ☐ A    One of the
- ☐ B    commit the guru
- ☐ C    as well as
- ☐ D    to celibacy
- ☐ E    No error

34. Directions: Rearrange the jumbled sentences to show the appropriate sequence.

- (A) For example, when the early homo sapiens left their homes in search for food, they would risk death and injury from dangerous animals.
- (B) Throughout human history, the universe has presented an innumerable amount of dangers to explorers.
- (C) Today, many adventure enthusiasts seek to find the thrills and adrenaline rush which their ancestors had experienced in the wild.
- (D) The tradition of humans going out to experience the dangers of unknown nature still exists.

- A. ABCD
- B. ABDC
- C. BADC
- D. DABC
- E. CBAD

35. How many pairs of letters are there in the word 'CHILDREN' such that each pair has as many letters between them in the word 'CHILDREN' as they have in the English alphabet series?

- ☐ A. 2
- ☐ B. 3
- ☐ C. 4
- ☐ D. 5
- ☐ E. None of these

36. allusion : reference :: \_\_\_\_\_ : \_\_\_\_\_

- ☐ A. bombast : broadcast
- ☐ B. dearth : affection
- ☐ C. opulence : grandiloquence
- ☐ D. ostentation : swagger
- ☐ E. paucity : scarcity

## *Answer Keys*

### Quantitative Skills Answer Keys

1.D	2.B	3.C	4.C	5.A	6.B	7.A	8.D	9.A
10.E	11.C	12.C	13.A	14.C	15.E	16.B	17.A	18.B
19.A	20.B	21.C	22.E	23.D	24.A	25.B	26.C	27.C
28.C	29.E	30.E	31.E	32.D	33.D	34.B	35.E	36.E

### Logical Reasoning Answer Keys

1.A	2.C	3.D	4.D	5.B	6.E	7.D	8.E	9.E
10.A	11.B	12.D	13.A	14.B	15.B	16.E	17.E	18.E
19.D	20.E	21.E	22.D	23.B	24.E	25.A	26.C	27.A
28.A	29.B	30.D	31.A	32.B	33.A	34.E	35.B	36.D

### Language Skills Answer Keys

1.E	2.E	3.A	4.E	5.B	6.C	7.C	8.D	9.B
10.A	11.A	12.C	13.A	14.E	15.E	16.C	17.E	18.C
19.E	20.D	21.A	22.D	23.D	24.A	25.C	26.B	27.D
28.C	29.B	30.B	31.A	32.E				
33. C	34. B	35. C	36. E					