

[Day 1] #10DaysofAptitudeChallenge

Quantitative

Question 1: Number System.

A number is divided by 2,3,4,5 or 6, the remainder in each case is one. But the number is exactly divisible by 7. The number lies between 250 and 350, the sum of digits of the number will be?

Question 2: Percentage

John's Mathematics Test had 80 problems i.e., 40 arithmetic, 30 algebra and 10 geometry problems. Although he answered 80% of the arithmetic, 60% of the algebra and 50% of the geometry problems correctly, he did not pass the test because he got less than 75% of the problems right. How many more questions he must have attempted correctly to earn a 75% passing grade?

Logical Reasoning

Question 1: Data Interpretation

The following table gives the information about the number of students applied, appeared, and passed from various schools in different years.

Year	2000			2001			2002			2003		
School	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z
A	200	180	160	240	200	175	280	270	250	300	240	235
B	300	250	240	360	300	240	400	370	350	500	400	380
C	250	250	200	200	180	180	250	210	190	300	270	240
D	240	230	200	180	150	105	200	190	180	240	160	90
E	160	150	125	300	260	240	250	220	200	300	230	220

X - Applied

Y - Appeared

Z - Passed

Passed percentage = (No. of Students passed / No. of Students appeared) * 100

Percentage of Attendance = (No. of Students Appeared * No. of Students Applied) * 100

1. In 2001, which school has the least pass percentage?
 - a) A
 - b) B
 - c) C
 - d) D
 - e) E
2. For B, in which year the percentage of attendance the least?
 - a) 2000
 - b) 2001
 - c) 2002
 - d) 2003
 - e) Cannot be determined

Question 2: Puzzle

A, B, C, D, E, F, G and H are eight students of a school. They study in Std VI, VII, VIII with not more than three in any Std. Each of them has a favourite subject from Physics, Geography, English, Marathi, Mathematics, Chemistry, Biology and Economics not necessarily in the same order.

D likes Chemistry and studies in Std. VIII with only H.

B does not study in Std. VIII

E and A study in the same Std but not with B

C and F study in the same Std.

Those who study in Std. VI do not like Mathematics or Biology.

F likes Physics

The one who studies in Std. VIII likes English.

C does not like Geography.

A's favourite subject is Marathi.

G does not like Biology.

1. Which Subject does H like?
 - a) Marathi
 - b) Science
 - c) English
2. Which of the following groups of students study in Std. VII
 - a) EAF
 - b) ECG
 - c) EAG

Verbal Ability

Question 1: Active Passive

In the following questions, a sentence has been given in active/passive voice. Out of the four alternatives suggested, select the one that best expresses the same sentence in passive/active voice.

1. He teaches Grammar.
 - a) Grammar is taught by him.
 - b) We are being taught Grammar by him.
 - c) Grammar is being taught by him.
 - d) We are taught Grammar by him.
2. Do not switch off the light.
 - a) You are requested to not switch off the light.
 - b) You are advised not to switch off the light.
 - c) You are ordered not to switch off the light.
 - d) None of the above.

Question 2: Direct-Indirect Speech

1. Hari said to Ram, "You gave me a book."
 - a) He told you that you had given him a book.
 - b) He told you that he had given me a book.
 - c) He told you that he had given him a book.
 - d) He told you that I have given him a book.
2. "Good Morning, friends."
 - a) He told his friends good morning.
 - b) He bade his friends good morning.
 - c) He forbade his friends good morning.
 - d) He asked his friends good morning.