

Aptitude Sample Questions

English Usage

Q1. Fill in the blank(s) with the most suitable option.

French is _____ difficult language.

- A. the
- B. an
- C. a
- D. some

Q2. Mark the option which is **closest to the meaning** of the word given below.

QUESTION

- A. Inspect
- B. Quote
- C. Succeed
- D. Inquire

Q3. Given below are sentences which when arranged logically form a coherent passage. Choose the option which gives the correct sequence.

- a) More than half of the world's industrial robots can be found in Japanese factories.
- b) Robots are already all over Japan.
- c) Until recently, their use in home and office was strictly confined to the comic books, films and television shows.
- d) These activities have made robots central to Japanese pop culture.
- e) Now, technology is bringing their fantasies to life in other countries too.

- A. abcde
- B. bacde
- C. cabde
- D. cdabe

Q4. Fill in the blank(s) with the most suitable option.

He lost the match easily because he had played a _____ five set match in the earlier round.

- A. sensational
- B. grueling
- C. wonderful
- D. controversial

Q5. In the following sentence, some part or whole sentence is underlined. Below are given four ways of phrasing the underlined part. Select the answer from the given choices which produces the most effective sentence, one that is clear and exact.

In the normal course of event, my son will graduate law school with a degree in law, he will join court in three years.

- A. my son will graduate law school with a degree in law, he will join
- B. my son will have graduated from law school with a degree in law and joine
- C. my son will graduate from law school with degree in law, he will join
- D. my son graduates law college with a degree in law and will join

Analytical Reasoning

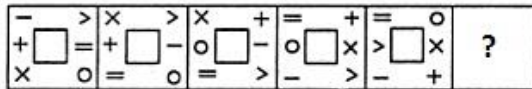
- Q1. In a certain code language, "SECURE" is coded as "ES24IV", how would "TONGUE" be coded in the same language?
- A. OT21FV
 - B. OS27FG
 - C. OT23GV
 - D. OT12FV

- Q2. How many digits are there which are either immediately followed by a digit divisible by 3 or immediately preceded by a digit divisible by 5?

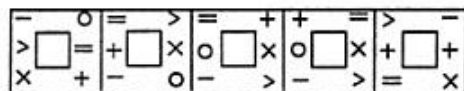
8 3 7 5 2 3 6 7 2 5 9 6 3 5 4 1 0 5 6 7 3 2

- A. 10
 - B. 11
 - C. 12
 - D. 13
- Q3. In the following question, a portion from the **Problem Figure** is missing. Complete the missing portion by selecting the correct option from the **Response Figures** (A), (B), (C), (D) and (E).

Problem Figure:



Response Figures:



(A) (B) (C) (D) (E)

- A. (A)
- B. (B)
- C. (C)
- D. (D)
- E. (E)

Q4. Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.

Question: In which year was Manmohan born?

Statements:

I. Manmohan at present is 30 years younger to his mother.

II. Manmohan's brother, who was born in 1960, is 40 years younger to his mother.

- A. Only one of the statements, alone, is sufficient to answer the question but other statement is not.
- B. Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.
- C. Each statement alone is sufficient to answer the question.
- D. Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

Q5. In the following question(s), symbols (\cdot), $!!$, $*$, $?$ and $\wedge\vee$ are used with different meanings as follows:

'A \cdot B' means 'A is equal to B'.

'A $!!$ B' means 'A is neither smaller than nor equal to B'.

'A $*$ B' means 'A is neither smaller than nor greater than B'.

'A $?$ B' means 'A is not greater than B'.

'A $\wedge\vee$ B' means 'A is neither greater than nor equal to B'.

Now assuming in the following question the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

Statements:

I. $L !! T$

II. $P ? T$

III. $K \wedge\vee L$

Conclusions:

I. $L !! P$

II. $K !! T$

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Both conclusion I and conclusion II follow.
- D. Neither conclusion I nor conclusion II follows.

Quantitative Aptitude

- Q1. In a school, 10% of the boys are same in number as $(1/4)^{\text{th}}$ of the girls. What is the ratio of boys to girls in the school?
- A. 3 : 2
 - B. 5 : 2
 - C. 2 : 1
 - D. 4 : 3
- Q2. A and B together have Rs. 1,210. If $(4/15)^{\text{th}}$ of A's amount is equal to $(2/5)^{\text{th}}$ of B's amount, then how much amount does B have?
- A. Rs. 460
 - B. Rs. 484
 - C. Rs. 550
 - D. Rs. 664
- Q3. Find " a_m " for an Arithmetic Progression if sum of " m " terms is given by $S_m = 2m^2 + 5m$.
- A. $4m + 3$
 - B. $4m - 3$
 - C. $2m + 3$
 - D. $2m - 3$
- Q4. Rs. 1,000 is to be divided as incentives among three best employees in the firm so that Ekta receives twice as much as Ajay, who receives one-fifth as much as Rahul. How much money did Rahul receive?
- A. Rs. 480
 - B. Rs. 625
 - C. Rs. 780
 - D. Rs. 325

Q5. What is the area of lateral surface of a right pyramid with a square base of side 16 cm as its base and having a height of 15 cm?

- A. 136 cm^2
- B. 800 cm^2
- C. 128 cm^2
- D. 544 cm^2

Computer Fundamentals (IT) – Sample Set

Q1. Which of the following statements is correct about structure ?

- Ops. A. A structure is a user defined variable which may hold members of different sizes and type.
- B. A structure can be defined of collection of homogeneous data items only.
- C. A structure can be defined of collection of heterogeneous data items.
- D. Structure uses a single memory location to hold more than one variable.

Q2. Is it possible for a class to have it's self-type object in C++? If yes, then how?

- Ops. A. No, it's not possible.
- B. Yes, it's possible to have it's self type object as a class declaration can contain static object of self type, it can also have pointer to self type.
- C. Yes, it's possible to have it's self type object as a class declaration can contain non-static object of self type.
- D. Yes, it's possible to have it's self type object as a class defination can contain non-static object of self type.

Q3. Which of the following statements is false regarding C++?

- Ops. A. If a non-static object is member then declaration of class is incomplete and compiler has no way to find out size of the objects of the class.
- B. Static variables do not contribute to the size of objects. So there is no problem in calculating size with static variables of self type.
- C. C++ does not allow functions to be overloaded on the basis of const-ness of parameters if the const parameter is a reference or a pointer.
- D. In C++, Reference variables are safer than pointers because reference variables must be initialized and they cannot be changed to refer to something else once they are initialized.

Q4. Which of the following statements is correct to differentiate between NULL and void?

Ops. A. None of the mentioned options

B. A null variable is used to identify pointers as having no initial size., whereas void variable simply used to indicate an empty value

C. A null variable simply indicates integer zero, whereas void is used to identify pointers as having no initial size.

D. A null variable simply indicates an empty value, whereas void is used to identify pointers as having no initial size.

Q5. Which of the following statement is a true about Binary Trees?

Ops. A. The maximum number of nodes at level 'l' of a binary tree is 2^{l-1} .

B. Every binary tree is either complete or full.

C. Every full binary tree is also a complete binary tree.

D. Every complete binary tree is also a full binary tree.