

APTITUDE TESTS FOR JOBS IN OIL AND ENGINEERING COMPANIES

TEST 1

- What are the next three numbers in the sequence 0, 1, 1, 2, 3, 5, ...
A. 7, 10, 15 B. 5, 6, 7 C. 8, 13, 21 D. 10, 30, 150 E. 12, 15, 21
- A cistern can be filled by a tap in 4 hours while it can be emptied by another tap in 9 hours. If both taps are opened simultaneously, then, after how much time will the cistern get filled?
A. 4.5 hrs B. 5 hrs C. 7.2 hrs D. 8.2 hrs E. 10 hrs
- 40 men were given a job to complete for 48 days. After 15 days, 18 men fell sick and left. How many more days will the remaining men finish the job?
A. 27 days B. 32 days C. 46 days D. 17 days E. 60 days
- What are the next three numbers in the sequence 1, 0, 1, 1, 2, 3, 7, ...
A. 17, 31, 63 B. 10, 17, 27 C. 8, 13, 21 D. 10, 30, 150 E. 16, 65, 321
- Factorise completely: $(5a + 4b)^2 - (2a - 5b)^2$.
A. $9(a+3b)(7a-b)$ B. $(3a+9b)(7a-b)$ C. $3(7a-b)$ D. $(3a-b)(7a-b)$ E. $3(a+3b)(7a-b)$
- 120 men had food provision for 200 days. After 5 days, 30 men died of an epidemic. How much time will the food last?
A. 260 days B. 240 days C. 300 days D. 180 days E. 85 days
- A man borrowed \$120,000 from a bank for 5 years with the simple interest rate of 12%. How much will he pay back at the end of the 5 years?
A. \$72,000 B. \$222,000 C. \$142,000 D. \$192,000 E. \$186,000

8. A man buys a motorcycle for \$1,400 and sells it at a loss of 15%. What is the selling price of the motorcycle?
- A. \$1,190 B. \$1,090 C. \$1,202 D. \$1,160 E. \$1,150

In the question below, are given three statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

9. **Statements:** All tigers are lions. No cow is lion. Some camels are cows.

Conclusions:

- I. Some lions are camels.
II. No camel- is tiger.
III. Some tigers are cows.

- A. None follows
B. Only I follows
C. Only II follows
D. Only III follows
E. Either I or II follows

10. The cost price of an article is 80% of its marked price for sale. How much percent does the tradesman gain after allowing a discount of 12%
- A. 6% B. 20% C. 8% D. 12% E. 10%