Olympiad Aptitude Test
Logical Reasoning: Grade-10

1. Choose which word completes the second pair in the same way as the first pair.
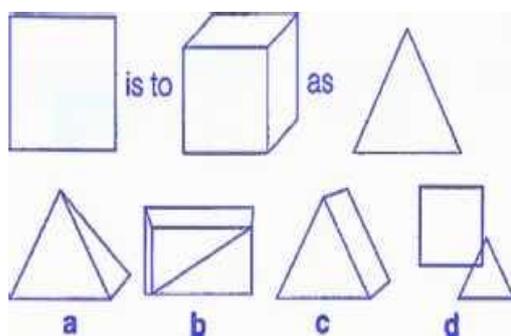
   Gaint: Dwarf:: Genius : ?
   - a. Idiot
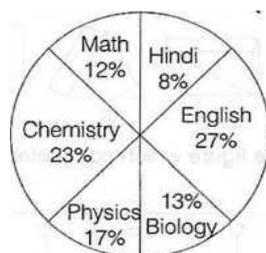   - b. Gental
   - c. Tiny
   - d Intelligent

2. Going 40 m to the South of his house, Mohan turns left and goes another 30 m. Then, turning to the North he goes to 20 m and then starts walking to his house. In which direction is he walking now?
   - a. East
   - b. North
   - c. South-West
   - d. North-West

3. Choose the figure which completes the second pair in the same way as the first pair.

Directions (**Q. Nos. 4-5]** Study the following pie chart carefully and answer the questions given below. **Percentagewise distribution of teachers who teach six different subjects**

4. What is the total number of teachers teaching Math, Hindi and Physics?
   - a 47
   - b 34
   - c 74
   - d 50

5. What is the difference between the total number of teachers who teach English and Chemistry?
   - a 8
   - b 10
   - c 12
   - d 14

6. A constructor undertook to do a certain piece of work in 18 days. He employed certain number of men but 12 of them being absent from the very 1st day, the rest could finish the work in 3 days. Find the number of men originally employed?
   - a. 40
   - b. 15
   - c. 45
   - d. 30

7. Priyanshu cover a certain distance between his home to school by cycle. Having an average speed of 30 km/h, he is late by 20 min. However, with a speed of 40 km/h, he reaches his 10 min earlier. Find the distance between his house and school.
   - a 50 km
   - b 60 km
   - c 30 km
   - d 55 km

Directions [Q. Nos. 8-9) Study the following information carefully and answer the given questions.

(i) B and E are good in Biology and Hindi.
(ii) A and B are good in Hindi and Physics.
(iii) A, D and C are good in Physics and English.
(iv) C and A are good in Physics and Mathematics.
(v) D and E are good in English and Biology.

8. Who is good in English, Physics, Hindi and Mathematics?

a A   b B
c C   d D

9. Who is good in Physics, English and Biology?

a A   b B
c C   d D

10. Who is good in Physics, English, Mathematics but not in Hindi?

a A   b B
c C   d E

11. If TEMPLE is coded as VHQURL, then how will CHURCH be written in the same code?

a. EKYWIO
b. EKUWIO
c. EKYWIN
d. EKYWJO

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