

# Railway Recruitment Board Examination, Kolkata (Technical Categories) February 2005 Question Paper (Fully Solved)

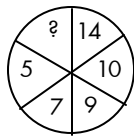
1. A mixture of oil and water contains 35% oil by weight. 25 grams of water is added to 100 grams of such a mixture. What percentage of oil by weight is there in the new mixture ?

- (A) 15%                      (B) 25%  
(C) 28%                      (D) 30%  
(E) None of these

2. Rosa can eat 32 rossogollas in one hour. Her sister Lila needs three hours to eat the same number. How much will they take to eat 32 rossogollas together ?

- (A) 2 hours                  (B) 90 minutes  
(C) 75 minutes              (D) 45 minutes  
(E) None of these

3. Which of the following numbers fits into the blank space marked with question mark ?



- (A) 6                              (B) 2  
(C) 3                              (D) 4  
(E) 18

4. The point of concurrence of the three medians of a triangle is called the \_\_\_\_\_ of the triangle.

- (A) Locus                      (B) Median  
(C) Orthocentre              (D) Chord  
(E) Centroid

5. The country with the largest land mass is

- (A) United States  
(B) China  
(C) Canada  
(D) Australia  
(E) Russia

6. If all Betas are Gammas, all Gammas are Alphas, and all Thetas are Gammas, then

- (A) All Thetas are Betas  
(B) Some Thetas are Betas  
(C) All Gammas are Thetas  
(D) All of the above are true  
(E) None of the above is true

7. In the sequence of letters given below, which letters out of the given options fill the blanks to maintain the sequence ?

- A B B D C F D H E \_\_\_\_\_, \_\_\_\_\_  
(A) F, I                      (B) J, F  
(C) J, K                      (D) F, G  
(E) E, F

8. HIV infection is necessary for having AIDS means

- (A) If you have AIDS, you have HIV  
(B) If you have HIV, you have AIDS  
(C) If you don't have AIDS, then you don't have HIV  
(D) Either you have HIV or you have AIDS  
(E) None of these