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ITC Infotech placement paper – 2014

Quantitative Aptitude, Verbal Ability and Logical reasoning (20 questions in 20 minutes)

1. A train covers the distance d between two cities in h hours arriving J hours late. What rate would permit the train to arrive on schedule?

- a) $d/2$ b) $d/(h-2)$ c) $d/(h-J)$ d) None of these

2. Colorful Pain Company contracts to paint three houses. Mr. Brown can paint a house in 6 days, while Mr. Pink would take 8 days and Mr. Blue would take 12 days. After 8 days Mr. Brown goes on vacation and Mr. Pink begins to work for a period of 6 days. How many days will it take Mr. Blue to complete the contract?

- a) 13 b) 11 c) 9 d) 10

3. The area of A4 sheet is twice that of A3 sheet. The larger side of A4 sheet is $\sqrt{2}$ times that of A3 sheet. What is the ratio of smaller side of A4 sheet to smaller side of A3 sheet?

- a) $\sqrt{2}:1$ b) $2\sqrt{2}:1$ c) $2:1$ d) none of these

4. The multiplication of three consecutive numbers is 12144. The sum of the three no. is

- a) 39 b) 69 c) 89 d) none of these

5. It would seriously **undermine** the global position of the United States and the regional position of America's new tacit ally, China.

Which word can replace 'undermine' without changing the meaning of sentence?

- a) stabilize
b) weaken
c) moralize
d) strengthen

6. The province of West Pakistan was created in 14th October 1955 by the _____ of the provinces, states and tribal areas of the western wing.

- a) line b) strand c) joining d) merger

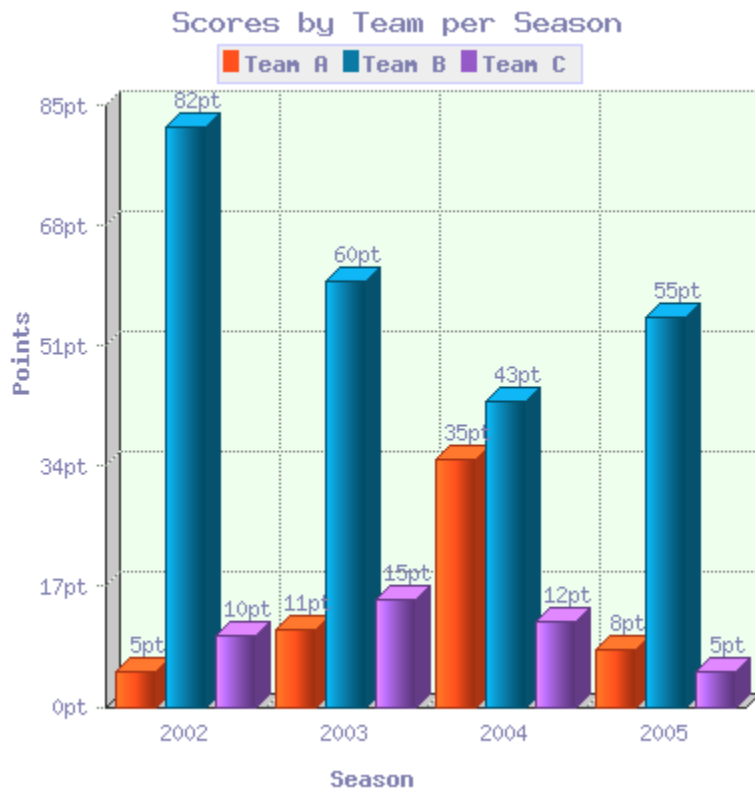
7. Choose a word given below that is nearly same to the word PREJUDICE

- a) repugnance b) wickedness c) caparison d) righteousness

8. Choose a word given below that is nearly same to the word ELIMINATE

- a) purge b) sanctify c) stock d) rule

Questions 9- 11: Using the bar graph given below answer questions 9-11.



9. What is the ratio of scores of team A and team B?

- a) $1/4$ b) $3/13$ c) $7/29$ d) $59/240$

10. In which year, maximum number of points have been earned in total?

- a) 2002 b) 2003 c) 2004 d) 2005

11. How many times a team has scored more than 25 or less than 10?

- a) 2 b) 6 c) 8 d) 12

12. Which of these duck brothers have 4 vowels in continuation in his name?

- a) Louie b) Dewey c) Huoy d) none of these

13. Ram and Rahim are on a merry go round. Ram is 3 places behind Rahim. Also, we can say Ram is 24 places ahead of Rahim. How many person are there except Ram and Rahim on merry go round?

- a) 24 b) 25 c) 26 d) 27

14. If the side of a square decreases by 20 %, then the perimeter of the square decreases by:

- a) 16% b) 20% c) 25% d) 40%

15. A man has to decide among 10 lotteries to pick one. The probability that one of these have a prize is $\frac{1}{3}$. If the number of lottery is of 3 digit, what are his chances that he will win the lottery?

- a) $\frac{1}{2}$ b) $\frac{1}{1000}$ c) $\frac{1}{10}$ d) $\frac{1}{30}$

16. A and B have a joint account with Rs. 3000. Also, they have individual savings of Rs. 2000 and Rs. 3000. They invested all the money in a business. After a year, they earned a profit of Rs. 8800. What is the share of B?

- a) 4000 b) 4350 c) 4500 d) 4950

17. How many 4 digit numbers are divisible by 8 but not by 7?

- a) 224 b) 964 c) 1358 d) 1192

18. The equivalent discount of the discount series, first discount of 25%, price hike of 10% and second discount of 20% is:

- a) 25% b) 34 % c) 35% d) 56%

19. A cubical box of side 4 m is filled with balls of radius 1 m. How many balls can the box hold at maximum?

- a) 1 b) 2 c) 4 d) 8

20. In the previous question, what percentage of volume of box will be empty?

- a)48 b) 24 c)6 d) none of these