

Day-2 -Aptitude

1. Two, trains, one from Howrah to Patna and the other from Patna to Howrah, start simultaneously. After they meet, the trains reach their destinations after 9 hours and 16 hours respectively. The ratio of their speeds is: a) 2:3. b) 4:3. c) 6:7. d) 9:16. _____ Ans) B- 4:3
2. The angle of elevation of the sun, when the length of the shadow of a tree 3 times the height of the tree, is: a)30 b)45 c)60 d)90. _____ Ans)A-30
3. A tank is filled by three pipes with uniform flow. The first two pipes operating simultaneously fill the tank in the same time during which the tank is filled by the third pipe alone. The second pipe fills the tank 5 hours faster than the first pipe and 4 hours slower than the third pipe. The time required by the first pipe is: a) 6hrs. b)10hrs. c)15hrs. d) 30hrs. _____ Ans) C-15
4. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs. 1600 each on 1st January and 1st July of a year. At the end of the year, the amount he would have gained by way of interest is: a) Rs. 120. b) Rs.121 c) Rs.122. d) Rs. 123. _____ Ans)B-121
5. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010? a) Sunday b)Saturday c) Friday. d) Wednesday Ans)C-Friday
6. A watch which gains uniformly is 2 minutes low at noon on Monday and is 4 min. 48 sec fast at 2 p.m. on the following Monday. When was it correct? a)2PM on Tuesday b)2PM on Wednesday. c)3 PM on Thursday d)1PM on friday _____ Ans)-B
7. If $\log 2 = 0.30103$, the number of digits in 2^{64} is: a)18. B)19. C)20. D)21. Ans) C-19
8. Aman started a business investing Rs. 70,000. Rakhi joined him after six months with an amount of Rs.. 1,05,000 and Sagar joined them with Rs. 1.4 lakhs after another six months. The amount of profit earned should be distributed in what ratio among Aman, Rakhi and Sagar respectively, 3 years after Aman started the business? A) 7 : 6 : 10. B) 12 : 15 : 16. C). 42 : 45 : 56. D). Cannot be determined. _____ Ans)B

Explanation

Aman : Rakhi : Sagar = $(70,000 \times 36) : (1,05,000 \times 30) : (1,40,000 \times 24) = 12 : 15 : 16$.

9. How many bricks, each measuring 25 cm x 11.25 cm x 6 cm, will be needed to build a wall of 8 m x 6 m x 22.5 cm?

A)5600. B)6000. C)6400. D)7200. _____ Ans)C

10. 40 % of 280 = ?

A)112 B)116 C)115 D)120 _____ Ans)A

Day-2 Reasoning

11. SCD, TEF, UGH, ____, WKL

A)CMN. B)UJI. C)VIJ. D)IJT. _____ Ans)C

12. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

A)20. B)22. C)23. D)26 _____ Ans)-B

13. Look at this series: 7, 10, 8, 11, 9, 12, ____ What number should come next ?

A) 7 B) 12 C) 10 D) 13 _____ Ans) C

14. Look at this series: 2, 1, $(1/2)$, $(1/4)$, ? What number should come next ?

A) $1/3$ B) $1/8$. C) $2/8$. D) $1/16$ _____ Ans) B

15. Look at this series: 80, 10, 70, 15, 60, ? What number should come next ?

A) 20 years B) 25 years C) 30 years. D) 50 years. _____
Ans) A

16. Which word does NOT belong with the others ?

A) index B) glossary C) chapter. D) Book _____ Ans) D

17. Which word is the odd man out ?

A)trivial. B). Unimportant. C) Important. D) insignificant _____
Ans) C

18. Which word does NOT belong with the others ?

A)wing. B) fin. C) beak. D) rubber _____ Ans) C

19. Which word is the odd man out ?

A)hate. B) fondness. C) liking. D) attachment _____ Ans) A

20. Pick the odd man out?

A). just B). fair C) equitable. D) biased _____ Ans) D