

Cisco Placement Paper

1. How many five digit multiples of 11 are there, if the five digits are 3,4,5,6 and 7 in the same order ?

A.10 B.11 C.12 D.13

Answer: C

2. The LCM of two number is 4800 and their HCF is 160. If one number is 480, then the second number is

A.1200 B.1500 C.1800 D.1600

Answer: D

3. How much water must be added to 100cc of 80% solution of boric acid to reduce it to a 50% solution ?

A.30 B.40 C.50 D.60

Answer: D

4. After having spent 35% of the money on machinery, 40% on raw material and 10% on staff, a person is left with Rs 60,000.The total amount of money spent on machinery and raw material is

A.Rs 1,76,000 B.Rs 3,00,000 C.Rs 1,70,000 D.Rs 3,40,000

Answer: B

5. Avi purchased an office bag with a price tag of Rs 600 in a sale where 25% discount was being offered on the tag price. He was given a further discount of 10% on the amount arrived at after giving usual 25% discount. What was the final amount paid by Avi ?

A.Rs 210 B.Rs 540 C.Rs 450 D.Rs 405

Answer: D

Explanation:

Final amount after giving successive discounts of 25% and 10% $600 \times 0.75 \times 0.9 = \text{Rs } 405$.

6. A house costs C rupees. Later it was sold for a profit of 25%. What is the capital gains tax if it is 50% of the profit ?

A.C/24 B.C/8 C.C/4 D.C/2

Answer: B

7. If the cost of 12 pencils is equal to the selling price of 10 pencils, the profit percent in the transaction is

A. $16\frac{2}{3}\%$ B. 18% C. 20% D. 25%

Answer: C

Explanation:

Let CP of 12 pencils = SP of 10 pencils = Re 1 Then CP of 1 pencil = Rs $\frac{1}{12}$ and SP of 1 pencil = Rs $\frac{1}{10}$ Profit = $\frac{1}{10} - \frac{1}{12} = \text{Rs } \frac{1}{60}$ % profit = $(\frac{1}{60})/(\frac{1}{12}) * 100 = 20\%$

8. A man spends Rs 1800 monthly on an average for the first four months and Rs 2000 monthly for the next eight months and saves Rs 5600 a year. His average monthly income is

A. Rs 2000 B. Rs 2200 C. Rs 2400 D. Rs 2600

Answer: C

9. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

A. 6.25 B. 6.5 C. 6.25 D. 7

Answer: A

Explanation:

Required run rate = $(282 - (3.2 \times 10))/40 = 250/40 = 6.25$

10. If a man walks to his office at $\frac{3}{4}$ th of his usual rate, he reaches office $\frac{1}{3}$ rd of an hour later than usual. How much time does he usually take to reach his office ?

A. 2 hr B. 3 hr C. 1 hr D. 1.5 hr

Answer: C

11. Identify the correct statement:-

- A. Seating arrangements influenced the kind of interaction that takes place.
- B. Seating arrangements' influence the kind of interaction that takes place.
- C. Seating arrangements influence the kind of interactions that take place.
- D. Seating arrangements influence the kind of interaction that take place.

Answer: D

12. Identify the correct statement:-

- A.Of all the oppressions which the rich are guilty of, there seems to be none more impudent and unjust than their endeavour to rob the poor of a little which is most clearly the property of the latter.
- B.Of all the oppressions which the rich is guilty of, there seems to be none more impudent and unjust than their endeavour to rob the poor of little which is most clearly the property of the latter.
- C.Of all the oppressions which the rich are guilty of, there seem to be none more impudent and unjust than their endeavour to rob the poor of little which is most clearly the property of the latter.
- D.Of all the oppressions which the rich is guilty of, there seem to be none more impudent and unjust than their endeavour to rob the poor of a little which is most clearly the property of the latter.

Answer: A

13. Identify the correct statement:-

- A.Your advise does not seem to have had any effect.
- B.Your advice does not seem to have had any effect.
- C.Your advice do not seems to have had any effect.
- D.Your advise does not seem to have had any effects.

Answer: B

14. Identify the correct statement:-

- A.Using too much jargons during communication might obliterate main issue.
- B.Using too much jargon during communication might obfuscate the main issue.
- C.Using too many jargons during the communication might obdurate a main issue.
- D.Using too much jargon's during communication might obfuscate the main issue.

Answer: B

15. Identify the correct statement:-

- A.Any organization, large or small, trades with many different people and companies.
- B.Any organization, large or small, trade with many different peoples and companies.
- C.Any organization, large or small, trade with many different people and company.
- D.Any organization, large or small, trades with many different peoples and companies.

Answer: A

16. Read each sentence to find if there is any grammatical error in it. Engines used(A)/ in space shuttles are much larger(B)/ and more strong(C)/ than the ones(D) in jet planes.

A.A B.B C.C D.D

Answer: C

17. Many psychologists today suggest(A)/ that we interpret dreams by compare(B)/ the dreams with(C)/ the reality of each person's(D)

A.A B.B C.C D.D

Answer: B

18. River water pollution(A)/ is often indicate(B)/ by(C)/ algae distribution(D)

A.A B.B C.C D.D

Answer: B

19. The girl(A)/ said that she preferred(B)/ the blue saree than(C)/ the pink one(D)

A.A B.B C.C D.D

Answer: C

20. Three conditions critical(A)/ for growing(B)/ plants are soil, temperature, chemical balance or(C)/ amount(D)of moisture.

A.A B.B C.C D.D

Answer: C

21. I derive an annual income of Rs 688.25 from Rs 10000 invested partly at 8% per annum and partly at 5% per annum simple interest. How much of my money is invested at 5%?

A.Rs 3725 B.Rs 4225 C.Rs 4800 D.Rs 5000

Answer: A

22. If the difference between the simple and the compound interests on the same principal amount at 20% for 3 year is Rs 48, then the principal amount must be

A.Rs 650 B.Rs 600 C.Rs 375 D.Rs 400

Answer: C

Explanation:

Let the principal be Rs 100. Then, S.I = $(100 \times 20 \times 3) / 100 = \text{Rs } 60$ CI = $100(1 + 20/100)^3 - 100 = \text{Rs } 364/5$ Thus, CI - SI = $364/5 - 60 = 64/5$. difference principal $64/5$ 100 48 ? principal = $\text{Rs } 100 \times 48 / (64/5) = \text{Rs } 375$

23. A worker is paid Rs 56 for 35 hour . Upto 40 hour, he is paid at the normal rate and on overtime, 1.5 times the normal. How many hours did he work to get Rs88 ?

A.58 B.55 C.50 D.none

Answer: C

Explanation:

Let the worker worked for $(40+x)$ hours, then $(56/35 * 40) + (x*1.5*56)/35 = 88$ $2.4 x = 88 \Rightarrow x=10$.
The worker worked for $(40+10) = 50$ hour.

24. Two pipes can fill the cistern in 10hr and 12 hr respectively, while the third empty it in 20hr. If all pipes are opened simultaneously, then the cistern will be filled in

A.7.5 hr B.10 hr C.8 hr D.8.5 hr

Answer: A

Explanation:

Work done by all the tanks working together in 1 hour $\Rightarrow 1/10 + 1/12 - 1/20 = 2/15$ Hence, tank will be filled in $15/2 = 7.5$ hour.

25. Rs 6500 were divided equally among a certain number of persons. Had there been 15 more persons each would have got Rs 30 less. Find the original number of persons ?

A.50 B.60 C.40 D.55

Answer: A

Explanation:

Let there be originally x persons. Then share of each persons = $\text{Rs } 6500/x$ Given, $6500/(x+15) = 6500/x - 30$ $6500/x - 6500/(x+15) = 30$ On solving we get $x= 50$.

26. If the ratio of boys to girls in a class is B and the ratio of girls to boys is G, then $3(B+G)$ is

A.equal to 3 B.less than 3 C.more than 6 D.less than 1/3

Answer: C

Explanation:

Let the number of boys be x and number of girls be y . Then, $x/y = B$ and $y/x = G$. $3(B+G) = 3(x/y + y/x)$. As we know that $p+1/p$ always greater than or equal to 2. Thus $3(B+G) \geq 6$.

27. 3L water is taken out from a vessel full of water and substituted by pure milk. This process is repeated two more times. Finally the ratio of milk and water in the solution becomes 1728:27. Find the volume of the original solution.

A.3L B.2L C.4L D.8L

Answer: C

Explanation:

Final quantity of water = $y(1 - y/x)^n \Rightarrow x(1 - 3/x)^3 \Rightarrow F/x = \{(x-3)/x\}^3 = 27/1728 \Rightarrow (x-3)/x = 3/12 \Rightarrow x = 4L$.

28. One type of liquid contains 25% of milk, the other contains 30% of milk. A can filled with 6 parts of the first liquid and 4 parts of the second liquid. Find the percentage of the milk in the new mixture ?

A.28% B.25% C.30% D.27%

Answer: D

Explanation:

Thus by Alligation rule, $(30-x) / (x-25) = 6/4 \Rightarrow x = 27$.

29. What is the day on 14th March, 1993 ?

A.Friday B.Thursday C.Sunday D.Saturday

Answer: C

Explanation:

14th march 1993 means (1992, 2 months and 14 days) Now 1900 years have 1 odd day. 92 years have 23 leap years and 69 ordinary years $\Rightarrow 46+63 = 115$ days = 3 odd days. 2 months + 14 days = $31+28+14 = 73 = 3$ odd days. Total number of odd days = $(1+3+3) = 7$ odd days. Therefore it will be Sunday on 14th March 1993.

30. A wire is in the form of a circle of radius 35cm. If it is bent into the shape of a rhombus, then what is the side of the rhombus?

A.32cm B.70 cm C.55cm D.17cm

Answer: C

Explanation:

Circumference of circle = perimeter of rhombus $2 \times \frac{22}{7} \times 35 = 4 \times \text{Side of rhombus}(x) = 55 \text{ cm.}$