Capgemini Aptitude Test Placement Papers

Practice important questions on Capgemini Aptitude Test Placement Papers. The score secured in Quantitative Aptitude will be calculated in final placement exam for Capgemini and the overall score will decide your selection in Capgemini.

1. Find the next term in series? 17 14 14 11 11 8 8

1. 8 5
2. 5 2
3. 8 2
4. 5 5

Answer: 4

Solution:
In this simple subtraction with repetition series, each number is repeated, then 3 is subtracted to give the next number, which is then repeated, and so on.

2. A rainy day occurs once in every 10 days. Half of the rainy days produce rainbows. What percent of all the days do not produce rainbow?

1. 95%
2. 10%
3. 50%
4. 5%

Answer: 1

Solution:
Two rainy days occur in 20 days. So, rainbow will occur once in 20 days. Rest 19 days will have not rainbow. % of not producing rainbows = 19/ 20 * 100 = 95%

3. If 5 spiders can catch five flies in five minutes. How many flies can hundred spiders catch in 100 minutes?

1. 100
2. 1000
3. 500
4. 2000

Answer: 4

Solution:
One spider catches one fly in 5 minutes. 100 spider catches 100 fly in 5 minutes. In 100 minutes $100 \times 20 = 2000$ flies will be caught.

5. DIRECTIONS for Questions 4and 7 Answer the questions on the basis of the information given below.
   In a local pet store, seven puppies wait to be introduced to their new owners. The puppies, named Ashlen, Blakely, Custard, Daffy, Earl, Fala and Gabino, are all kept in two available pens. Pen 1 holds three puppies, and pen 2 holds four puppies. If Gabino is kept in pen 1, then Daffy is not kept in pen 2. If Daffy is not kept in pen 2, then Gabino is kept in pen 1. If Ashlen is kept in pen 2, then Blakely is not kept in pen 2. If Blakely is kept in pen 1, then Ashlen is not kept in pen 1. Which of the following groups of puppies could be in pen 2?

   1. Gabino, Daffy, Custard, Earl.
   2. Blakely, Gabino, Ashlen, Daffy
   3. Ashlen, Gabino, Earl, Custard
   4. Blakely, Custard, Earl, Fala.

Answer: 3

Solution:
Consider option A: If Gabino, Daffy, Custard and Earl are in pen 2, then Ashlen and Blakely will be in pen 1 which is not possible according to the last condition given. Therefore Option 1 is not correct. Consider option B: According to condition 3 both Ashlen and Blakely cannot be in pen 2 together.
Therefore Option 2 is not correct. Consider option C: In the second condition it is given that if Daffy is not kept in pen 2 then Gabino is kept in pen 1.
Therefore Option 3 is not correct.

5. If Earl shares a pen with Fala, then which of the following MUST be true?

   1. Gabino is in pen 1 with Daffy.
   2. Custard is in pen 2.
   3. Blakely is in pen 2 and Fala is in pen 1.
   4. Earl is in pen 1.

Answer: 2

Solution:
If Earl shares a pen with Fala, then Earl and Fala can both be either in pen 1 or in pen 2, Now, if Earl and Fala both are in pen 1 then one of Ashlen and Blakely have to be in pen 2 as they both

cannot be together in one pen. Therefore Custard has to be in pen 2. If Earl and Fala both are in pen 2 then also one of Ashlen and Blakely have to be in pen 2. Then Gabino and Daffy will be in pen 1 with one of Ashlen and Blakeley.
Therefore Custard will be in pen 2. Therefore In both the cases Custard will be in pen 2. Hence, option B

6. If Earl and Fala are in different pens, then which of the following must NOT be true?

1. Gabino shares a pen with Ashlen.
2. Earl is in a higher-numbered pen than Blakely.
3. Blakely shares pen 2 with Earl and Daffy.
4. Custard is in a higher-numbered pen than Fala.

Answer: 4

Solution:
If Earl and Fala both are in different pens then there are two cases possible Case (i): Earl is in pen 1 and Fala in pen 2.
Case (ii): Fala is in pen 1 and Earl is in pen 2. Case (i) Earl is in pen 1 and Fala is in pen 2. Gabino and Daffy have to be together
in one pen and they cannot be in pen 1 as one of Ashlen and Blakely have to be in pen 1 and pen 1 can holds 3 puppies.
Therefore Gabino and Daffy will be in pen 2, and Custard has to be in pen 1. Pen 1 will have Earl, Custard and one of Ashlen and Blakely.
Pen 2 will have Fala, Gabino, Daffy and one of Ashlen and Blakely. Custard has to be in pen 1 Custard cannot be in a higher-numbered pen than Fala.
Similarly in Case (ii) Fala will be in pen 1 but Custard will also be in pen 1. Custard cannot be in a higher-numbered pen than Fala.
Option 5 must not be true. Hence, option 5

7. DIRECTIONS for Questions 7 and 12: Answer the questions on the basis of the information given below. Five colleagues pooled their efforts during the office   lunch-hour to solve the crossword in the daily paper. Colleagues: Mr. Bineet, Mr. Easwar, Ms. Elsie, Ms. Sheela, Ms. Titli. Answers: Burden, Barely, Baadshah, Rosebud. Silence. Numbers: 4 down, 8 across, 15 across, 15 down, 21 across. Order: First, second, third, fourth, fifth. 1. Titli produced the answer to 8 across,   which had the same number of letters as the previous answer to be inserted, and one more than the subsequent answer which was produced by one of the men.   2. It was not Bineet who solved the clue to 'Burden', and Easwar did not solve 4 down. 3. The answers to 15 across and 15 down did not have the same number of letters. 4. 'Silence', which was not the third word to be inserted, was the answer to an across clue. 5. 'Barely' was the first word to be entered in the grid, but 'Baadshah' was not the second answer to be found. 6. Elsie's word was longer than Bineet's; Sheela was neither the first nor the last lo come up with an answer. 7. Fifth one to be worked out was an answer to an across clue. What was Sheela's word ?

1. Baadshah
2. Silence
3. Rosebud
4. Barely

Answer: 2

Solution:
=>In condition (I) it is given that the answer that Titli produced had the same number of letters as the previous answer and one more than the
subsequent answer. The answer given by Titli can be Rosebud or Silence. =>It is given that Barely was the first word to be entered. The word entered
after the answer given by Titli will be Burden. The order of these three words can be: Rosebud, Silence and Burden or Silence, Rosebud and Burden.
It is also given that Baadshah is not the second word. Therefore Baadshah has to be the fifth word entered. The order of answers will be: Barely,
Rosebud, Silence, Burden and Baadshah. OR Barely, Silence, Rosebud, Burden and Baadshah.
=>From condition 4 we get that Silence is not
the third word. The order of answers will be: Barely, Silence, Rosebud, Burden and Baadshah. i.e. Rosebud was the answer given by Titli.
Therefore The arrangement till now can be represented in the form of table as shown below:
Order Answer Colleague Number First Barely
Second Silence Third Rosebud Titli 8 across Fourth Burden Fifth Baadshah One of the men gave the answer after the answer given by Titli.
And from condition 2 we get that it was not Bineet who gave the answer Burden. Therefore the answer 'Burden' was given by Mr. Easwar.
=>From conditions 4 and 7 we get that 'Silence' and the Fifth answer are answers to across clues. Sheela was neither the first nor the last to
come up with the answer. Sheela must have answered the second clue. =>From condition 6 we get that Elsie's answer was longer than Bineet's.
Elsie must have answered the fifth clue and Bineet must have answered the first clue. It is given that Easwer did not solve 4 down.
Order Answer Colleague Number First Barely Bineet 4 down Second Silence Sheela across
Third Rosebud Titli 8 across Fourth Burden Easwar 15 down
Fifth Baadshah Elsie across Now the number of the second and fifth answer is not known, only it is known that they were answers to across clues.

8. What could be Titli's answer?

1. First
2. Second
3. Third
4. Fourth

Answer: 3

Solution:
Titli gave the answer to the third question.

9. What was Bineet's word?

1. Barely
2. Burden
3. Silence
4. Rosebud

Answer: 1

Solution:
Bineet's word is Barely.

10. What was Easwar's number?

1. 4 down
2. 21 across
3. 8 across
4. 15 down

Answer: 4

Solution:
Easwar's number is 15 down.

11. What was Titli's order ?

1. First
2. Second
3. Third
4. Fourth

Answer: 3

Solution:
Titli gave the answer to the third question.

12. If y = FO (D.V.) is not a null set, it implies that:

1. All fish are vertebrates.

2. All dogs are vertebrates.
3. Some fish are dogs.
4. None of the above.

Answer: 3

Solution:
Fish U (Dogs n Vertebrate) ? @ implies that some elements are common between Fish and Dogs.

13. DIRECTIONS for Questions 13 and 15: Answer the questions on the basis of the information given below: A and B are two sets (e.g. A = mothers, B = women). The elements that could belong to both the sets (e.g. women who are mothers) is given by the set C = A.B. The elements which could belong to either A or B, or both is indicated by the set D = AOB. A set that does not contain any elements is known as a null set, represented by @(for example, if none of the women in the set B is a mother, then C = A.B. is a null set, or C = @. Let 'V' signify the set of all vertebrates; 'M' the set of all mammals; 'D' dogs; 'F' fish; 'A' Alsatian and 'P' a dog named Pluto. If P . A = @ and P U A = D, then which of the following is true ?

1. Pluto and Alsatian are dogs
2. Pluto is an Alsatian
3. Pluto is not an Alsatian
4. D is a null set.

Answer: 1

Solution:
P . A = @ implies P into is not an Alsatian, but P U A = D implies both. P and A are dogs.

14. If Z = (P.D.) OM, then

1. The elements of Z consist of Pluto the dog or any other mammal.
2. Z implies any dog or mammal.
3. Z implies Pluto or any dog that is a mammal.
4. Z is a null set.

Answer: 1

Solution:
Z = (Pluto n Dogs) U Mammals = Pluto U Mammals.

15. Given that X = M.D. is such that X = D, which of the following is true?

1. All dogs are mammals

2. Some dogs are mammals.
3. X = @
4. All mammals are dogs.

Answer: 1

Solution:
X = Mammals n Dogs = Dogs, hence dogs are mammals.

16. DIRECTIONS for Questions 16 and 20: Answer the questions on the basis of the information given below: Five numbers A, B, C, D and E are to be arranged in an array in such a manner that they have a common prime factor between two consecutive numbers. These integers are such that: A has a prime factor P, B has two prime factors Q and R C has two prime factors Q and S D has two prime factors P and S E has two prime factors P and R Which of the following is an acceptable order, from left to right, in which the numbers can be arranged ?

1. D, E, B, C, A
2. B, A, E, D, C
3. B, C, D, E, A
4. B, C, E, D, A

Answer: 3

Solution:
No.1 A —- P D—-(S/ P) E —— (P/R) B —— (R/Q) C —— (Q/S) OR D —(S/P) A—- P E —- (P/R) B   —(R/Q)   C   —   (Q/S)
NO.2 A —- P E —— (P/R) B —— (R/Q) C —— (Q/S) D—-(S/ P) NO.3 A —- P E —— (R/P) D—
-(P/S) C —— (S/Q) B —— (Q/R)

17. If the number E is arranged in the middle with two numbers on either side of it, all of the following must be true, EXCEPT:

1. A and D are arranged consecutively
2. B and C are arranged consecutively
3. B and E are arranged consecutively
4. A is arranged at one end in the array

Answer: 4

Solution:
By checking the given options.

18. If number E is not in the list and the other four numbers are arranged properly, which of the following must be true?

1. A and D can not be the consecutive numbers.
2. A and B are to be placed at the two ends in the array.
3. A and C are to be placed at the two ends in the array.
4. C and D can not be the consecutive numbers.

Answer: 2

Solution:
A —- P D—-(P/S) C —— (S/Q) B —— (Q/R)

19. If number B is not on the list and other four numbers are arranged properly, which of the following must be true?

1. A is arranged at one end in the array.
2. C is arranged at one end in the array.
3. D is arranged at one end in the array.
4. E is arranged at one end in the array.

Answer: 4

Solution:
A —- P E —— (P/R) D—-(S/ P) C —— (Q/S) or E —— (P/R) A —- P D—-(S/ P) C —— (Q/S)

20. If B must be arranged at one end in the array, in how many ways the other four numbers can be arranged?

1. 1
2. 2
3. 3
4. 4

Answer: 2

Solution:
B —— (R/Q) C —— (Q/S) D—-(S/ P) E —— (P/R) A —- P OR B —— (R/Q) E —— (P/R) A —- P D—-(S/ P) C —— (Q/S).

21. What is the ratio of the two liquids A and B in the mixture finally, if these two liquids kept in three vessels are mixed together. Statement 1. The ratio of liquid A to liquid B in the first and

second vessel is, respectively, 3: 5, 2: 3. Statement 2. The ratio liquid A to liquid B in vessel 3 is 4: 3.

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement
5. Cannot be answered even by using both the statement

Answer: 5

Solution:
Although the containers are of equal volume, it is not known to what extent these containers are filled by the liquids A and B.
(i.e. the first container might be half full, while the second might be two-thirds full). Until such details are known, the final ratio of liquids A and B
cannot be found out.

22. What is the number of type 2 widgets produced, if the total number of widgets produced is 20,000? Statement 1. If the production of type – 1 widgets increases by 10% and that of type-2 decreases by 6%, the total production remains the same. Statement 2. The ratio in which type – 1 and type – 2 widgets are produced is 2: 1. If the number of type – 1 widgets produced is A and that of type – 2 widgets is B,

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement

Answer: 3

Solution:
then we get the basic equation [A + B = 20,000] from the data in the question. From 1st statement, we get [1.1 A + 0.94 B = 20,000].
This is enough to give us the value of B. Similarly from 2nd statement, we get A = 2B. This is enough to give us the value of B.

23. How old is Sachin in 1997 ? **Statement 1. Sachin is 11 years younger than Anil whose age will be** prime **number in 1998. Statement 2. Anil's age was a prime number in 1996.**

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement

5. Cannot be answered even by using both the statement

Answer: 5

Solution:
Anil's age was a prime number in 1996 and 1998. So Anil's age in these two yeas can be a pair of such numbers which are prime, and differ by 2.
We have many such pairs – (3, 5), (5, 7), (11, 13)….. And it is not possible to arrive at a unique answer.

24. How many different triangles can be formed? Statement 1. There are 16 coplanar, straight lines in all. Statement 2. No two lines are parallel.

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement
5. Cannot be answered even by using both the statement

Answer: 5

Solution:
Although it is known that none of the lines are parallel to each other, there might be the case wherein all the lines have exactly one point of
intersection, or eight lines with one point and the other eight with another point of Intersection. Unless something about the relative arrangement
of these lines is known, one cannot arrive at definite answer.

25. Around a circular table six persons A, B, C, D, E and F are sitting. Who is on the immediate left to A? Statement 1: B is opposite to C and D is opposite to E Statement 2: F is on the immediate left to B and D is to the left of B

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement

Answer: 3

26. What is the total worth of Lakhiram's assets? Statement 1. Compound interest at 10% on his assets, followed by a tax of 4% on the interest, fetches him Rs. 15000 this year. Statement 2. The interest is compounded once every four months. Let Lakhiram's assets be worth Rs. X.

1. using 1st Statement only

2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement

Answer: 3

Solution:
In the case of compound interest, the period of reckoning or calculation of CI is very important.
This information is given in statement (b).
The annual CI rate is 10%, so the rate for 4 months is $(4/12) \, 10 = (10/3) \, \%$. So the total CI after
one year, in terms of X, may be written
as: $CI = X \, [(1 + ((10/3)/100)]3$, because in a year, there are 3 terms of 4 months. This interest is
followed by a tax of 4% paid by him which
ultimately fetches Lakhiram Rs. 1500. This data us to find the value of X, so the answer is (3).

27. A, B, C, D, E are five positive numbers. A + B < C + D, B + C < D + E, C + D < E + A. Is 'A' the greatest ? Statement 1: D + E < A + B. Statement 2: E < C.

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement

Answer: 3

Solution:
$A + B < C + D$ $B + C < D + E$ $C + D < E + A$ $D + E < A + B$ $E < C$ Adding, $A + 2B < 2A + B$ i.e. $B < A$

28. A sequence of numbers a1, a2….. is given by the rule an 2 = an+1. Do 3 appear in the sequence ? Statement 1: a1 = 2 Statement 2: a3 = 16

1. using 1st Statement only
2. using 2nd statement only
3. using both 1st and 2nd statement
4. using 1st or 2nd statement

Answer: 4

Solution:
Put $n = 1$ in $an2 = an+1$ $a12 = a2$, $a22 = a3$, $a32 = a4$ etc From statement 1: $a12 = a2$ i.e. $22 = a2$
or $a2 = 4$ Now, $a22 = a3$
i.e. $42 = a3$ or $a3 = 16$, etc Thus, $a1 = 2$, $a2 = 4$, $a3 = 16$, etc

29. The average of 5 quantities is 6. The average of 3 of them is 8. What is the average of the remaining two numbers?

1. 6.5
2. 4
3. 3
4. 3.5

Answer: 3

Solution:
The average of 5 quantities is 6. Therefore, the sum of the 5 quantities is 5 * 6 = 30. The average of three of these 5 quantities is 8.
Therefore, the sum of these three quantities = 3 * 8 = 24 The sum of the remaining two quantities = 30 – 24 = 6. Average of
these two quantities = 6/2= 3.

30. The function f(x) = |x – 2| + |2.5 – x| + |3.6 – x|, where x is a real number, attains a minimum at?

1. x = 2.3
2. x = 2.5
3. x = 2.7
4. none of the above.

Answer: 2

Solution:
Case 1: If x < 2, then y = 2 – x + 2.5 – x + 3.6 – x = 8.1 – 3x. This will be least if x is highest i.e. just less than 2. In this case y will be just
more than 2.1 Case 2: If 2.

Capgemini Reasoning Test Placement Papers

1. One afternoon, Manisha and Madhuri were talking to each other face to face in Bhopal on M.G. Road. If Manisha's shadow was exactly to the exactly to the left of Madhuri, which direction was Manisha facing?

1. North
2. South
3. East
4. Data inadequate
5. None of these

Answer: Option 1

Solution:
In the afternoon the sun is in the west. Hence, the shadow is in the East. Now, East is to the left of Madhuri. So, Madhuri is facing South. Therefore, Manisha, who is face to face with Madhuri, is facing North.

2. PULSATE: THROB

1. walk : run
2. tired : sleep
3. examine : scrutinize
4. ballet : dancer
5. find : lose

Answer: Option 3

Solution:
Pulsate and throb are synonyms, as are examine and scrutinize.

3. How is 'now' written in a code language?
I. 'now and then' is written as 'ka da ta' in that code language.
II. 'then you come' is written as 'da ma pa' in that code language.

1. If the data in statement I alone are sufficient.
2. If the data in statement II alone are sufficient.
3. If the data either in statement I alone or in statement II alone are sufficient.
4. If the data given in both the statements I and II together are not sufficient.
5. If the data in both the statements I and II together are necessary.

Answer: Option 4

Solution:
From I: now and then => ka da ta — (1)
From II: then you come => da ma pa — (2)
From I and II: Code for now is either ka or ta. We need some more information.

4. Statement:
Although we have rating agencies like Crisil, ICRA, there is demand to have a separate rating agency of IT companies to protect investors.
Conclusions:
I. Assessment of financial worth of IT companies calls for separate, set of skills, insight and competencies.
II. Now the investors investing in IT companies will get protection of their investment.

1. If only conclusion I follows
2. If only conclusion II follows
3. If either I or II follows
4. If neither I nor II follows
5. If both I and II follow

Answer: Option 1

Solution:
II may be an assumption of the speaker. But certainly it is not a conclusion.

5. Statement:
The 'X' state government has chalked out a plan for the underdeveloped 'Y' district where 80% of the funds will be placed in the hands of a committee of local representatives.
Courses of action:
I. The 'X' state government should decide guidelines and norms for the functioning of the committee.
II. Other state government may follow similar plan if directed by the Central government.

1. If only I follows
2. If only II follows
3. If either I or II follows
4. If neither I nor II follows
5. If both I and II follow

Answer: Option 1

Solution:
Once it is decided to place funds in the hands of the committee of local representatives, it is necessary to decide guidelines and norms for the functioning of the committee. Hence I follows. II is not related to the statement.

8. 42 40 38 35 33 31 28

1. 25 22
2. 26 23
3. 26 24
4. 25 23
5. 26 22

Answer: Option 3

Solution:
This is an alternating subtraction series in which 2 is subtracted twice, then 3 is subtracted once, then 2 is subtracted twice, and so on.

6. Here are some words translated from an artificial language.
morpirquat means birdhouse
beelmorpir means bluebird
beelclak means bluebell
Which word could mean "houseguest"?

1. morpirhunde
2. beelmoki
3. quathunde
4. clakquat

Answer: Option 3

Solution:
Morpir means bird; quat means house; beel means blue; clak means bell. Choice c, which begins with quat, is the only possible option.

7. Posthumous Publication occurs when a book is published after the author's death. Which situation below is the best example of Posthumous Publication?

1. Richard's illness took his life before he was able to enjoy the amazing early reviews of his novel.
2. Melissa's publisher cancels her book contract after she fails to deliver the manuscript on time.
3. Clarence never thought he'd live to see the third book in his trilogy published.
4. Elizabeth is honored with a prestigious literary award for her writing career and her daughter accepts the award on behalf of her deceased mother.

Answer: Option 1

Solution:
Although choice d also mentions a writer who has died, it does not state that one of the writer's books was published after her death, only that she received an award. Choice a states that Richard wasn't around to see the early reviews of his novel, therefore implying that Richard died before the book was published. The other two options depict living writers.

8. QPO, NML, KJI, _____, EDC

1. HGF
2. CAB
3. JKL
4. GHI

Answer: Option 1

Solution:
This series consists of letters in a reverse alphabetical order.

9. At the baseball game, Henry was sitting in seat 253. Marla was sitting to the right of Henry in seat 254. In the seat to the left of Henry was George. Inez was sitting to the left of George. Which seat is Inez sitting in?

1. 251
2. 254
3. 255
4. 256

Answer: Option 1

Solution:
If George is sitting at Henry's left, George's seat is 252. The next seat to the left, then, is 251.

10. Fact 1: Jessica has four children.
Fact 2: Two of the children have blue eyes and two of the children have brown eyes.
Fact 3: Half of the children are girls.
If the first three statements are facts, which of the following statements must also be a fact?
I. At least one girl has blue eyes.
II. Two of the children are boys.
III. The boys have brown eyes.

1. II only
2. I and III only
3. II and III only

4.   None of the statements is a known fact.

Answer: Option 1

Solution:
Since one-half of the four children are girls, two must be boys. It is not clear which children have blue or brown eyes.

11. In the following questions, the symbols +, ?, =, ? and – are used with following meanings?
'P+Q' means 'P is greater than Q'.
'P?Q' means 'P is either greater than or equal to Q'.
'P=Q' means 'P is equal to Q'.
'P?Q' means 'P is smaller than Q'.
'P-Q' means 'P is either smaller than or equal to Q'.

Statements: G – H, K ? L, L – G
Conclusions: I. G ? KII. L – H

1.   if only conclusion I is true.
2.   if only conclusion II is true.
3.   if either conclusion I or II is true.
4.   if neither conclusion I nor II is true.
5.   if both the conclusions I and II are true.

Answer: Option 2

Solution:
G = H — (i); K = L — (ii); L = G — (iii)
From (ii) and (iii), we get K = L = G => I can't be established.
From (i) and (iii), we get L = G = H => L = H.
Hence, II is true.

12. Which of the following can be inferred from the statement that either John is Stupid Or John is Lazy?
I. John is lazy, therefore John is not stupid
II. John is lazy, therefore John is stupid
III. John is not stupid, therefore John is Lazy
IV. John is stupid, therefore John is not Lazy

1.   I and II
2.   II and III
3.   III and IV
4.   I and VI

Answer: Option 2

Solution:
According to the statement, either John is stupid ar John is lazy it can be inferred that John cannot be stupid and lazy simultaneously. In the light of this inference one can conclude that only statements II and III can be right while statements I and IV endorses the opposite of inferred knowledge. Both these statements show the possibility of both qualities at the same time.

Capgemini Aptitude Test Questions and Answers. Capgemini latest written test pattern for freshers. Capgemini interview questions and answers with solution.

1) The diameters of two spheres are in the ratio 1:2 what is the ratio of their volumes?

A.3:4   B.9:16   C.1:8   D.4:3

Answer: C

Explanation:

1:8

2) In an exam, Amar scored 64 percent, Bhavan scored 36 percent and Chetan 44 percent. The maximum score awarded in the exam is 800. Find the average mark scored by all the three boys?
A.384   B.364   C.324   D.404   E.None of these

Answer: A

Explanation:

Average mark scored by all the three boys =
[64/100 (800) + 36/100 (800) + 44/100 (800)] / 3 = 384

3) What sum of money put at C.I amounts in 2 years to Rs.8820 and in 3 years to Rs.9261?
A.Rs.8000   B.Rs.8400   C.Rs.7500   D.None

Answer: A

Explanation:

8820 —- 441
100 —- ? => 5%
x *105/100 * 105/100 = 8820
x*1.1025=8820
x=8820/1.1025 => 8000

4) The length of a rectangular floor is more than its breadth by 200%. If Rs. 324 is required to paint the floor at the rate of Rs. 3 per sq m, then what would be the length of the floor?
A.27 m   B.24 m   C.18 m   D.21 m   E.None of these

Answer: C

Explanation:

Let the length and the breadth of the floor be l m and b m respectively.
l = b + 200% of b = l + 2b = 3b
Area of the floor = 324/3 = 108 sq m
l b = 108 i.e., l * l/3 = 108
l2 = 324 => l = 18.

5) Four car rental agencies A, B, C and D rented a plot for parking their cars during the night. A parked 15 cars for 12 days, B parked 12 cars for 20 days, C parked 18 cars for 18 days and D parked 16 cars for 15 days. If A paid Rs. 1125 as rent for parking his cars, what is the total rent paid by all the four agencies?

A.Rs. 4500   B.Rs. 4800   C.Rs. 5250   D.Rs. 6150   E.None of these

Answer: D

Explanation:

The ratio in which the four agencies will be paying the rents = 15 * 12 : 12 * 20 : 18 * 18 : 16 * 15
= 180 : 240 : 324 : 240 = 45 : 60 : 81 : 60
Let us consider the four amounts to be 45k, 60k, 81k and 60k respectively.
The total rent paid by the four agencies = 45k + 60k + 81k + 60k= 246k
It is given that A paid Rs. 1125
45k = 1125 => k = 25
246k = 246(25) = Rs. 6150
Thus the total rent paid by all the four agencies is Rs. 6150.

6) There are three numbers. 5/7th of the first number is equal to 48% of the second number. The second number is 1/9th of the third number. If the third number is 1125, then find 25% of the first number?

A.168   B.84   C.42   D.21   E.None of these

Answer: D

Explanation:

Let the first number and the second number be F and S respectively.
5/2 F = 48/100 S ——> (1)
S = 1/9 * 1125 = 125

(1) => 5/7 F = 48/100 * 125
=> F = 84
25% of F = 1/4 * 84 = 21.

7) If a card is drawn from a well shuffled pack of cards, the probability of drawing a spade or a king is -.
A.19/52   B.17/52   C.5/13   D.4/13   E.9/26

Answer: D

Explanation:

P(S?K) = P(S) + P(K) – P(SnK), where S denotes spade and K denotes king.
P(S?K) = 13/52 + 4/52 – 1/52 = 4/13

8) A heap of stones can be made up into groups of 21. When made up into groups of 16, 20, 25 and 45 there are 3 stones left in each case. How many stones at least can there be in the heap?
A.7203   B.2403   C.3603   D.4803

Answer: A

Explanation:

LCM of 16, 20, 25, 45 = 3600
1 * 3600 + 3 = 3603   not divisible by 21
2 * 3600 + 3 = 7203   is divisible by 21

9) Find the least number which when divided by 35 and 11 leaves a remainder of 1 in each case.
A.384   B.391   C.388   D.397   E.386

Answer: E

Explanation:

The least number which when divided by different divisors leaving the same remainder in each case
= LCM(different divisors) + remainder left in each case.
Hence the required least number
= LCM(35, 11) + 1 = 386.

10) A shopkeeper sells 20% of his stock at 10% profit ans sells the remaining at a loss of 5%. He incurred an overall loss of Rs. 400. Find the total worth of the stock?
A.Rs. 25000   B.Rs. 20000   C.Rs. 15000   D.Rs. 22000   E.None of these

Answer: B

Explanation:

Let the total worth of the stock be Rs. x.
The SP of 20% of the stock = $1/5 * x * 1.1 = 11x/50$
The SP of 80% of the stock = $4/5 * x * 0.95 = 19x/25 = 38x/50$
Total SP = $11x/50 + 38x/50 = 49x/50$
Overall loss = $x – 49x/50 = x/50$
$x/50 = 400 => x = 20000$

11) 15 binders can bind 1400 books in 21 days. How many binders will be required to bind 1600 books in 20 days?

A.14   B.18   C.24   D.28   E.None of these

Answer: B

Explanation:

Binders   Books   Days
15   1400   21
x   1600   20
$x/15 = (1600/1400) * (21/20) => x = 18$

12) A man purchased 15 pens, 12 books, 10 pencils and 5 erasers. The cost of each pen is Rs.36, each book is Rs.45, each pencil is Rs.8, and the cost of each eraser is Rs.40 less than the combined costs of pen and pencil. Find the total amount spent?
A.Rs.1100   B.Rs.1120   C.Rs.1140   D.Rs.1160   E.None of these

Answer: E

Explanation:

Cost of each eraser = $(36 + 8 -40) = Rs.4$
Required amount = $15 * 36 + 12 * 45 + 10 * 8 + 5 * 4$
$540 + 540 + 80 + 20 = Rs.1180$

13) What amount does Kiran get if he invests Rs. 18000 at 15% p.a. simple interest for four years?
A.Rs. 24800   B.Rs. 28400   C.Rs. 24400   D.Rs. 28800   E.None of these

Answer: D

Explanation:
Simple interest = (18000 * 4 * 15)/100 = Rs. 10800
Amount = P + I = 18000 + 10800 = Rs. 28800

14) 2222.2 + 222.22 + 22.222 = ?

A.2466.462   B.2664.642   C.2464.462   D.2466.264   E.2466.642

Answer: E

Explanation:

? = 2466.242

15) In a 1000 m race, A beats B by 200 meters or 25 seconds. Find the speed of B?
A.8 m/s   B.25 m/s   C.10 m/s   D.15 m/s   E.None of these

Answer: A

Explanation:

Since A beats B by 200 m or 25 seconds, it implies that B covers 200 m in 25 seconds.
Hence speed of B = 200/25 = 8 m/s.

16) Five men and nine women can do a piece of work in 10 days. Six men and twelve women can do the same work in 8 days. In how many days can three men and three women do the work?
A.24   B.18   C.20   D.22   E.None of these.

Answer: C

Explanation:

(5m + 9w)10 = (6m + 12w)8
=> 50m + 90w = 48w + 96 w => 2m = 6w => 1m = 3w 5m + 9w = 5m + 3m = 8m
8 men can do the work in 10 days.
3m +3w = 3m + 1w = 4m

So, 4 men can do the work in (10 * 8)/4 = 20 days.

17) A brick measures 20 cm * 10 cm * 7.5 cm how many bricks will be required for a wall 25 m * 2 m * 0.75 m?
A.24000   B.23000   C.22000   D.25000

Answer: D

Explanation:

25 * 2 * 0.75 = 20/100 * 10/100 * 7.5/100 * x
25 = 1/100 * x => x = 25000