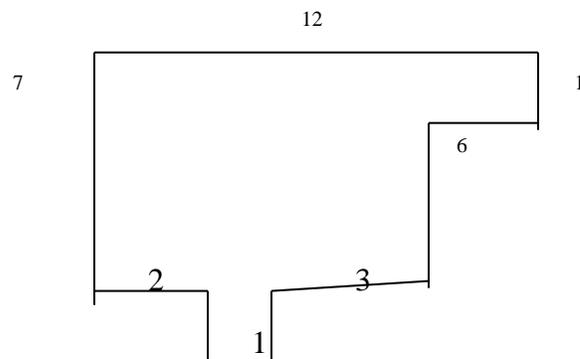


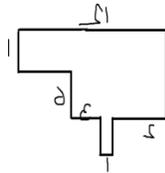
QUESTION BANK – APTITUDE & TECHNICAL TEST

- Q. 1:** Three dice were rolled what is probability of getting 13 as sum ?
- Q. 2:** Find the number of 8 between 128 to 328.
- Q. 3:** What is remainder when $(4^{41})^{341}$ is divided by 9 ?
- Q. 4:** X completes $\frac{1}{4}$ th the work in 20 days Y completes $\frac{1}{5}$ th of the work in 24. Z completes half of the work in 15 days. If x leaves the work after three days and Y leaves the work before three days of work. How days are required to complete the work ?
- Q. 5:** Find the return angle of if time on clock is 10.25.
- Q. 6:** Find area



- Q.7:** If $f(x)=ax^4+bx^2+1$
 $f(-3)=2,$
 $f(3)=?$
- Q. 8:** How many 6 digit even numbers can be formed from the digits 1,2,3,4,5,6,7 so that the digits do not repeat and the second last digit is even ?
- Q. 9:** A girl reached 50 minute late she starts 30 min late if the speed is 25% reduced Find the time taken.
- Q.10:** How many ways we can write the word such that last two digits can be alphabet &first two will be numbers ?
- Q.11:** $((31)^{31})^{301}$ divided by 17 remainder?
- Q.12:** Usha was 3 times Nisha, when Asha was 15, Nisha was 0.2 times Asha, then Usha is 21. How old Usha is ?
- Q.13:** (128 to 382) in a sequence, how many times did 8 digit come?

- Q.26:** The sum of four consecutive two digit odd numbers, when divided by 10 becomes a perfect square which of the following can possibly be one of the four numbers?
- Q.27:** In a certain city, 60% of the registered voters are congress supporters and the rest are bjp supporters. In an assembly election if the 75% registered congress supporters and 20% of registered bjp supporters are expected to vote for candidate A what % of registered voters are expected to vote for candidate A?
- Q.28:** George, Paul and Hari start a business contributing rs.30000, rs.40000 and rs.50000 respectively, after 0.5 years George withdraws half of his contribution. At the end of the year business shows a profit of 90000. which is divided amongst the three men proportionate to amount and duration of their investment in the enterprise Paul got?
- Q.29:** A no. when successively divided by 5, 3, 2 respectively gives a remainder of 0, 2, 1 respectively in that order. what will be the remainder when the same no. is divided successively by 2, 3, 5 in that order.
- Q.30:** Babla alone can do a piece of work in 10 days. Ashu can alone do a piece of work in 15 days the total wages of the work is 5000 how much babla should be paid if they work together for an entire duration of work?
- Q.31:** Find the perimeter of the decagon of given dimensions?



- Q.32:** A certain sum of money is sufficient to pay either George wages for 15 days or Mark wages for 10 days. for how long it would be sufficient if both George and Mark work together?
- Q.33:** How many 6 digit even nos. can be formed from the digits 1, 2, 3, 4, 5, 6, 7 so that digits do not repeat and the second last digit is even.
- Q.34:** A does work in 10 days, B can do in 20 days and C can do it in 30 days, all start together. A leaves after 2 days B leaves 2 days prior to work was completed, how many total days were required to complete the work.
- Q.35:** How many positive integers numbers not more than 300 can be formed with the digits 1, 2, 3, 4 if repetitions are allowed?

- Q.36:** A number plate can be formed with two alphabets followed by two digits, with no repetition. Then how many possible combinations can we get?
- Q.37:** According to the stock policy of a company, each employee in the technical division is given 15 shares of the company and each employee in the recruitment division is given 10 shares. Employees belonging to both committees get 25 shares each. There are 20 employees in the company, and each one belongs to at least one division. The cost of each share is \$10. If the technical division has 15 employees and the recruitment division has 10 employees, then what is the total cost of the shares given by the company?
- Q.38:** certain sum of money is sufficient to pay either George's wages for 15 days or Mark's wages for 10 days. For how long will it suffice if both George and Mark work together?
- Q.39:** One day, Eesha started 30 minutes late from home and reached her office 50 minutes late, while driving 25% slower than her usual speed. How much time in minutes does Eesha usually take to reach her office from home?
- Q.40:** Apples cost L rupees per kilogram for the first 30 kilograms and Q per kilogram for each additional kilogram. If the price paid for 33 kilograms of Apples is Rs.1167 and for 36 kilograms of apples is Rs.1284, then the cost of the first 10 kgs of apples is?
- Q.41:** George and Mark can paint 720 boxes in 20 days, Mark and Harry in 24 days and Harry and George in 15 days. George works for 4 days, Mark for 8 days and Harry for 8 days. The total number of boxes painted by them is ?
- Q.42:** Rajiv can do a piece of work in 10 days , Venky in 12 days and Ravi in 15 days. They all start the work together, but Rajiv leaves after 2 days and Venky leaves 3 days before the work is completed. In how many days is the work completed?
- Q.43:** A man purchases 2 watches , worth rupee560 , 1 watch is sold with the profit of 15% and 1 watch sell 10% loss ?How much % gain or loss...
- Q.44:** 6 houses are in row ABCDE , A is right hand side of B and D is left hand side of E and C is left hand side of B then which one is in middle one.
- Q.45:** Poles are placed at 20 m . A man drives from first to thirteenth pole pole is 165.What is the speed in kmph
- Q.46:** Opposite of Broach?
- Q.47:** A train of length 130m with speed 45km/hrpesses a bridge in 30sec.What is length of bridge?
- Q.48:** If s.p of a bouquet is 63 and earns 5%. What should be the selling price to earn 10% profit ?

- Q.49:** The average wt of 3 person is 75.If the avg of 2 person is 75.What should be the wt of third person?
- Q.50:** Cardinality is entity of relationship ? T/F
- Q.51:** What is the correct word? Searching wave crawling
- Q.52:** 2 orange and 3 mango of cost 7rs and rsrespectively . If 5 mango price are 13 rs then find the price of 1 orange and 1 mango?
- Q.53:** 1616 18 18 21 21?
- Q.54:** A one dozen of metal avg cost 80rs then find the 24 rs how many pairs
- Q.55:** $11 + 21 + 31 + 41 + \dots + 201$? Find the sum
- Q.56:** $21\sin x + 72\cos x$... find the max value?
- Q.57:** $P+q=6$, $q^2 + p^2=16$ Find pq?
- Q.58:** A dozen pair of gloves quated at 80rs and available at discount of 10%..How many pairs of gloves can be brought for rs24? ANS 4
- Q.59:** A rectangular field is $120*80$ iyts length or bredth both increases by 15%.Find % increase in area? 32.25
- Q.60:** A speaks truth $\frac{3}{4}$ times , B speaks truth $\frac{5}{6}$ times then probability that they will contradict the same? ANS $\frac{1}{3}$
- Q.61:** Paw:Cat ::HOOF::?
- Q.62:** Difference between unique constrain and prime key?
- Q.63:** what is polymorphism?
- Q.64:** what is class declaration?
- Q.65:** class can be static or not?
- Q.66:** properties of encapsulation
- Q.67:** How to write source in c language ?
- Q.68:** In each class how many function can be derived?
- Q.69:** In a basket when one orange is placed in named 1
one mango is placed in named 2

one pineapple is placed in named 3
and 4 to extract one mango and one orange together
so if the series is like that so how many fruit s will be counted at the end of series .
1223433212344321234332433443234.

Q.70: Same question just find each fruit individually

Q.71: 'HNSCRIWBVGSK' if rearranged without breaking the normal alphabetic order so
..... will be just second left to the center . ?

Q.72: If victory= infashy so win will be.....?

Q.73: Keywords In C

Q.74: Paw:Cat::Hoof:?

Q.75: Carnovas:Tiger:Wolf Similar To?

Q.76: STUDENT Coded As TUTDENTS, Then SOURCE As?

Q.77: Find odd one :

- Sun
- Universe
- Moon
- Star

Q.78: $(3x/2) - [2(x-3)]/3 = -4$ then $x = ?$

Q.79: Find $11 + 21 + 31 + \dots + 201 = ?$

Q.80: If $p - q = 6$ & $p^2 + q^2 = 116$ then $pq = ?$

Q.81: JAB HCD IEF ? KIJ

Q.82: Cup is coffee then bowl is ...?

- Soup
- Spoon
- Food
- Water

Q.83: Find out perfect match diesel:petrol:?

- Fire wood
- Coal
- Fuel

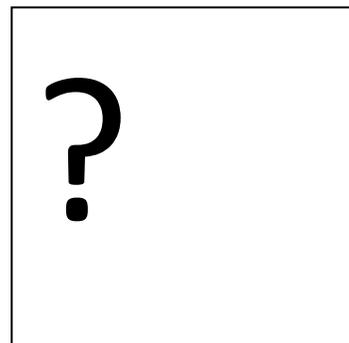
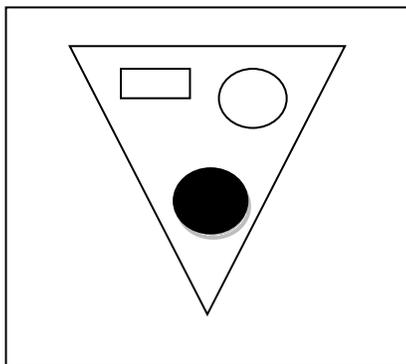
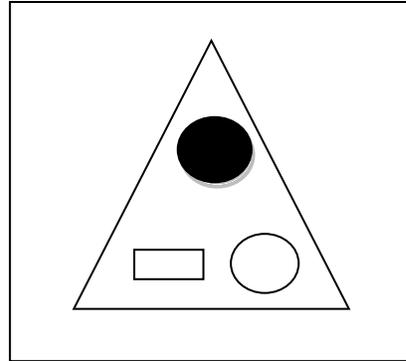
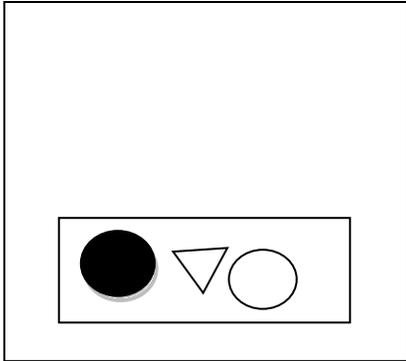
- engine

Q.84: $3x^2+xy-24=1$ & $x+y=4$ then find x&y

Q.85: $U\begin{bmatrix} x \\ y \end{bmatrix}$ & $V\begin{bmatrix} a \\ b \end{bmatrix}$ then $U+V$

Q.86: Moon:Satelite then Earth:?

Q.87:



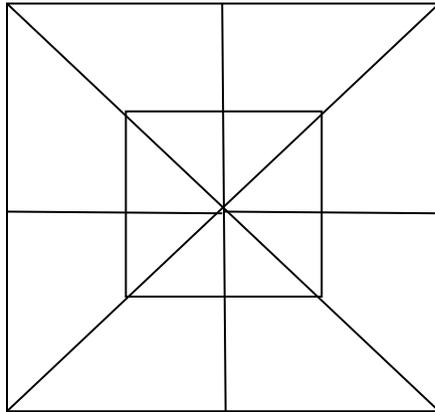
Q.88: A fruit seller sells 40% of his apples and 420 apples are remaining, what was the total count of apple? ANS: 700

Q.89: In a 1 out of 25 screw is faulty. When a screw is selected at random, what is the probability the selected screw will be good. ANS: 24/25

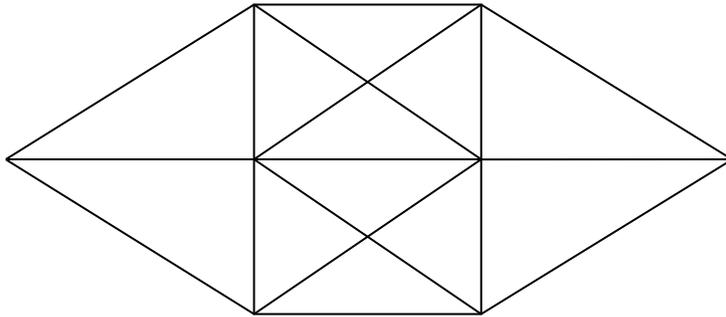
Q.90: If y is proportional to x, $y=2$ and $x=5$, then if $y=6$. What is the value of x? ANS: 15

Q.91: Pointing towards the said Veena said, “He is the son of only son of my grandfather”. How is that boy related to Veena?

Q.92: How many triangles and rectangles are there?



Q.93: How many Triangles are there?



Q. 94: Rs. 18370 is to be distributed among three students A,B, C in a ratio of 2:3:1. Find the share of B?

Q. 95: Find the sum of odd numbers from 1 to 10?

Q. 96: 7 to 41 numbers divisible by 9 but not by 3.

Q. 97: 10 kg of wheat of ₹ 5 per kg wheat is mixed with 15 kg at ₹ 8/kg. What is the cost of mixture per kg?

Q. 98: Average of A,B,C is 163 and Avg. of B,C,D is 56. Find the average of ABCD?

Q. 99: Between 7:00 to 8:00 O'clock when the hands of the clock meet?

Q. 100: 'A' was twice as old as 'B'. Ten years back if B age is 19 years now. What is age of A now?

Q. 101: $((31)^{31})^{301}$ divided by 17 remainder?

- Q. 102:** Two years ago the average age of a family of 8 members was 18 years. After the addition of a baby, the average age of family remains the same today. What is the age of the baby?
- Q. 103:** An article when sold at a gain of 5% yields Rs. 15 more than when sold at a loss of 5%. The cost price of the article is?
- Q. 104:** If X gets 25% more than Y and Y gets 20% more than Z, the share of Z out of Rs. 740 will be?
- Q. 105:** A merchant marks his wares 40% more than the real price and allows 20% discount. His profit is?
- Q. 106:** The average of 7 consecutive numbers is 33. The highest of these numbers is?
- Q. 107:** A train 280 metres long is moving at 60 kms per hour. The time taken by the train to cross a platform 220 metres long is?
- Q. 108:** 10 men can finish a piece of work in 10 days whereas it takes 12 women to finish it in 10 days. If 15 men and 6 women undertake to complete the work, how many days will they take to complete the work?
- Q. 109:** The boy at the river was not eating _____ food.
- a. a
 - b. nothing
 - c. any
- Q. 110:** Choose one word which resembles the sentence:
Study of skin and skin diseases
- a. Orthopaedics
 - b. Dermatology
 - c. Gynaecology
 - d. Endocrinology
- Q. 111:** ___ my father ___ my mother are from Mumbai.
- a. Both, and
 - b. Either, or
 - c. Both, with
- Q. 112:** Choose the synonym:
FULSOME:

- a. Thorough
- b. Trivial
- c. Eager
- d. Excessive

Q. 113: Find $(7x + 4y) / (x-2y)$ if $x/2y = 3/2$?

Q. 114: $x\%$ of y is $y\%$ of?

Q. 115: If a man buys 1 lit of milk for Rs.12 and mixes it with 20% water and sells it for Rs.15, then what is the percentage of gain?

Q. 116: Find the missing number in the sequence 504, _ , 990, 1320, 1716

Q. 117: If the radius of a circle is increased by 12%, then the area of the circle

Q. 118: Find the largest number which gives out reminders 2 and 5 when used to divide 80 and 122.

Q. 119: A complete binary tree with the property that the value at each node is at least as large as the values at its children is called

1. Completely balanced tree
2. Binary search tree
3. AVL tree
4. Heap

Q. 120: Some months have 30 days, some months have 31 days, but how many have 28 days?

1. Twelve
2. One
3. Eleven
4. Five

Q. 121: A structured chart is

1. 1. Beginners all purpose
1. 2. A document of what has to be accomplished
1. 3. A statement of information processing requirements
1. 4. A hierarchical Partitioning of the program

Q. 122: Which of the following languages is the oldest?

1. 1. PHP
1. 2. Ruby
1. 3. Perl
1. 4. Python

Q. 123: Which are the data type attribute?

1. 1. binary
1. 2. index
1. 3. All of these
1. 4. auto-increment

Q. 124: Usability can be measured in terms of:

1. 1. All of the mentioned
1. 2. Intellectual skill to learn the system
1. 3. Net increase in productivity
1. 4. Time required to become moderately efficient in system usage

Q. 125: The USE keyword is used to select a _____.

1. 1. Database
1. 2. Row
1. 3. Table
1. 4. Column

Q. 126: Which are database type categories?

1. 1. Date & time
1. 2. All of these
1. 3. string
1. 4. numeric

Q. 127: When new data are to be inserted into a data structure, but there is no available space; this situation is usually called

1. 1. saturated
1. 2. underflow

1. 3. overflow
1. 4. housefull

Q. 128: Which of the following is the original purpose of SQL?

1. 1. To define the data structures
1. 2. All of these
1. 3. To specify the syntax and semantics of SQL data definition language
1. 4. To specify the syntax and semantics of SQL manipulation language

Q. 129: What is/are the keywords used to declare parameter's purpose?

1. 1. OUT
1. 2. INOUT
1. 3. All of these
1. 4. IN

Q. 130: Which of the following SQL commands is used to retrieve data?

1. 1. INSERT
1. 2. SELECT
1. 3. DELETE
1. 4. JOIN

Q. 131: what is the best way to track someone

1. track them while they are tracking others
2. track them while they are unconscious about you
3. track them while they are busy with dealing some short of problem
4. track them while they are thinking

Q. 132: Which of the following is central to any definition of marketing?

1. Customer relationships
2. Making a profit
3. Transactions

4. Demand management

Q. 133: Radha brought a watch for 144 Rs. The profit percent is equal to C.P. What is the cost price of watch ?

Q. 134: M X N M is father of N

M + N M is wife of N

M – N M is son of N, What is A+B-D

- (a) D is father of A
- (b) A is wife of B
- (c) B is child of D
- (d) None

Q. 135: What is the odd one out ?

- (a) Epilouje
- (b) Commonplace
- (c) Bilittle
- (d) Prejuse

Q. 136: What is the depth of 32- b it colour ?

Q. 137: Upto what unit IEEE standard 3393 is represented.

Q. 138: Relationship between

- (a) Teacher : school
- (b) Picture : frame
- (c) Vision : light
- (d) None

Q. 139: Find the sum from 1 to 100 using recursion. Do not use loops or formula.

Q. 140: Given a string, reverse it word by word.

Sample input: India is great

Sample output: great is India

Sample input2: what is your name

Sample output2: name your is what

Q. 141: Given an integer, convert it into English.

Sample input1: 123

Sample output1: one hundred and twenty three.

Sample input2: 13,45,234

Sample output: thirteen lakh thirty forty five thousandtwo hundred and thirty four.

Sample input3: 2,12,40,897