KPSC 2024 CSAT QUESTIONS

1. If A is C's mother and D is B's son, E is A's sister, C is D'S sister, then how is B   related to E?
(1) Daughter
(2) Brother-in-law
(3) Husband
(4) Sister-in-law

2. If % means division, @ means addition, * means subtraction, # means multiplication then find
   21 % 3 @ 4 * 2 @ 9 # 2 @ 8
(1) 38
(2) 35
(3) 36
(4) 31

3.A number reduced by 25% becomes 225. What percent should it be increased so that it becomes 390?
(1) 30%
(2) 35%
(3) 46%
(4) 52%

4.When 15 is included in a list of natural numbers, their mean is increased by 2.   When 1 is included in the new list, the mean of the number in the new list is decreased by 1. How many numbers were there in the original list?
(1) 8
(2) 7
(3) 5
(4) 4

(5) A box contains 20 articles, out of which 4 are defective. Two articles are drawn at random from this box. The probability that at least one of them is defective, is?
(1) 4/19
(2) 7/19
(3) 9/19
(4) 5/19

(6) A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls drawn from the box, if at least one black ball is to be included in the draw ?
(1) 32
(2) 64
(3) 48
(4) 96

(7) In a container, there are 28 eggs out of which will be 8 eggs are rotten. If two eggs are chosen at random, what will the probability that at least one egg is rotten?
(1) 94/189
(2) 95/187
(3) 93/183
(4) 97/182

(8) In a class of 40 students with roll number 3 to 42, a student Is picked up to tell a joke. Find the probability that roll number of the selected student is either a multiple of 4 or 7.
(1) 11/42
(2) 14/43
(3) 3/7
(4) 3/8

(9) A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be?
(1) 22
(2) 23
(3) 24
(4) 26

(10) All oranges are bananas. No banana is fruit.
Conclusions:
(a) Some bananas are oranges.
(b) No fruit is banana.
(c) All oranges are fruits.
(d) Some fruits are oranges.

(1) Only conclusion (c) and (d) follow
(2) Only conclusion (a) and (b) follow
(3) Only conclusion (a) and (c) follow
(4) none of the above.

KPSC 2024 CSAT QUESTIONS

(11) Five boys sitting on a park bench near college auditorium to be photographed after a skit. Shyamal is to the left of Rajesh and to the right of Bimal. Madhu is to the right of Rajesh. Ritesh is between Rajesh and Madhu. Who is sitting immediate right to Ritesh?
(1) Madhu
(2) Rajesh
(3) Bimal
(4) Shyamal

(12) In the following question, three statements number (A), (B), and (C) are given and these statements are followed by four conclusions. Numbered I, II, III and IV, you have to consider the given statements to be true and then decide which of the given conclusion logically follow from the given statements:

Statements:
(A) All the CEO's are COO's.
(B) All the COO's are CFO's.
(C) All the CFO'S are CLO's.
          Conclusions:
(I) Some CLO's are CEO's.
(II) All the COO'S are CLO's.
(III) Some CFO's are CEO's.
(IV) All the COO's are CEO's.
(1) Only (I) and (II) follow
(2) Only (I) and (III) follow
(3) Either (I) or (II) and (III) follow
(4) None of the above.

(13) Refer to the following information and answer the question given below:
Mr. G his sister his son and his daughter are very good classical dancers.

(I) The best dancer and the worst dancer are of the same age.
(II) The best dancer's twin and the worst dancer are of the opposite sex.
Which of the follow pairs is the best and the worst dancers?
(1) Mr. G and his sister
(2) Mr. G's son and sister

(3) Mr G and his daughter
(4) Mr G's son and daughter.

(14) Find the probability of getting 2 diamonds if we draw 2 cards at random from a pack of 52 cards.
(1) 1/17
(2) 1/14
(3) 1/15
(4) 1/12

(15) If $x + y : 3x - y = 3:4$, $x-y : x +y = ?$
(1) 1:4
(2) 2:5
(3) 2:3
(4) 1:6

(16) If a person A can complete a certain task in 35 days and another person B is 40% more efficient that A, the how many days does it take for B to complete the task?
(1) 25
(2) 35
(3) 20
(4) 15

(17) When a fair die with 6 faces numbered 1 to 6 is thrown twice, what is the probability that the sum of the two throws is not 8 given that the sum is even?
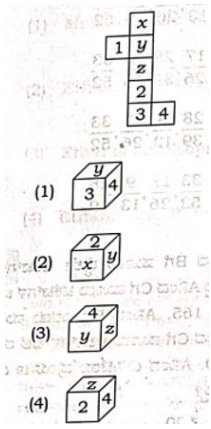(1) 11/18
(2) 7/18
(3) 5/18
(4) 13/18

(18) What is the remainder when 361 is divided by 7?
(1) 1
(2) 2
(3) 3
(4) 4

KPSC 2024 CSAT QUESTIONS

(19) If the given figure is folded to from a box, which among the boxes below will be formed?

(20) Which of the following arrangements of the questions in increasing order?

(1) 9/13 , 17/26, 28/39, 33/52
(2) 17/26, 28/39, 9/13, 33/52
(3) 28/39, 9/39, 17/27, 33/52
(4) 33/52, 17/26, 9/13, 28/39

(21) Three railways tickets from city A to B three from city A to C Costs ₹140. What is the fare for city C city A?
(1) ₹ 20
(2) ₹ 30
(3) ₹40
(4) ₹50

(22) Read the following information carefully and answer the question given below:
(I) There are six members in a family
(II) The members are A B C D E and F
(III) D is the daughter of F who is the mother of E
(IV) E is the daughter of A
(V) A is the son of C
(VI) The family consists of one couple who have their parents and their children.

(1) BF
(2) CF
(3) BC
(4) None of the above

(23) Two trains of equal lengths take 5 seconds and 6 seconds respective to cross a pole. If these trains are moving in the same direction, then how long will they take to cross each other?
(1) 5 second
(2) 6 seconds
(3) 30 seconds
(4) 60 seconds

(24) Two buses start from opposite places of a National Highway, 300 km apart. The first bus runs 50 km and takes a right turn and then runs 30 km. It turns left and then takes the direction to reach the national high way, in the meantime, due to mirror breakdown, the other bus has run on;y 70 km along the National highway. What would be the distance between two buses at this points?
(1) 130 km
(2) 150 km
(3) 160 km
(4) 100km

(25) In how many different ways can the letters in the word ARRANGING be arranged?
(1) 22440
(2) 22680
(3) 11680
(4) 11440

35. If x-y –z =7, xyz =6 and $X^2 +y^2 + z^2 = 85$, then what is the value of $1/y +1/z – 1/x$?
(1) 1
(2) 2
(3) 3
(4) 4

36. If the tiles of a rectangular floor 110ft broad and 140ft long are broken and rearranged in the shape of a circle, then what is the circumference of the circle?

(1) 140ft
(2) 440ft
(3) 70ft
(4) 280ft

KPSC 2024 CSAT QUESTIONS

37. If the sum of five numbers that are in A. P . is 605 and the difference between the second and fifth number is 9 then what is the sum of the second and fourth numbers?
(1) 23
(2) 24
(3) 25
(4) 26

38. What should come in place of question mark (?) in the following number series?
(143 ,195, ?, 323, 399)
(1) 215
(2) 237
(3) 255
(4) 257

39. If the fraction 1/2, 2/3, 5/9, 6/13 And 7/9 are arranged in descending orders of their values, which one while be the fourth one?
(1) 0.46
(2) 0.50
(3) 0.55
(4) 0.77

40. If x$ y means x is the mother of y; x # y means x is the father of y ; x *y means x is the father of y; x ₹ y means x is the sister of y,then which of the following shows that P is the maternal uncle of Q?
(1) Q # N $ N ₹ P
(2) P $ S ₹ N # Q
(3) P # M $ N ₹ Q
(4) Q # S * P

41. Pointing to a woman, Anju said "Her only sister is the mother of my son's mother". How is woman related to Anju ?
(1) Mother
(2) Aunt
(3) Sister
(4) Daughter

42. Which of the following diagrams best represents the relationship among Srinivasa ramanujan, Number theory and AryaBhatta?

1

2

3

4

43. Complete the following series:
AA, EC, GG, KI, MM_____
(1) PP
(2) QQ
(3) OQ
(4) QO

44. A cooler bought fo r₹ 6000/- sold at profit of 20% find the selling price
(1) 6000
(2) 6400
(3) 6800
(4) 7200

45. which one of the four interchanges in science and numbers would make the equation 4 ÷ 3+2 x 4-8 =12 correct?
(1) 2 and 8 , - and ÷
(2) 2 and 8 , ÷ and x
(3) 2 and 4 ÷ and x
(4) 4 and 8, x and +

46. A, B, C and D have ₹ 2900 among them. A has twice as much as C B has three time as much as D. Also C and D together have ₹ 500 less than A. The difference of A 's share and D share will be?
(1) 1200
(2) 1000
(3) 900
(4) 1400