



KERALA TALENT ACADEMY
Kerala Talent Cognitive Skills Assessment (KTCSA)
UP Level (Upper Primary) - Classes 5 to 7
SET A - Cognitive Skills(Sample Paper)

 Instructions:

20 questions | 1 mark each | No negative marking

Read each question carefully | Write answers on OMR sheet

Time Allowed: 35 minutes | Total marks: 20

SECTION A: MENTAL ABILITY

1. If $7 + 3 = 10$, $21, 8 + 4 = 12$, $22, 9 + 5 = 14$, 23 , then $10 + 6 = ?$
(A) 1624 (B) 1636 (C) 1650 (D) 1648
2. Find the missing number: 5, 15, 45, 135, _____
(A) 395 (B) 405 (C) 415 (D) 425
3. If ROSE is coded as 18-15-19-5, then LILY is coded as?
(A) 12-9-12-25 (B) 12-9-12-26 (C) 13-9-13-25 (D) 12-9-13-25
4. Arrange in ascending order: $\frac{5}{6}$, $\frac{3}{4}$, $\frac{7}{8}$, $\frac{2}{3}$
(A) $\frac{2}{3}$, $\frac{3}{4}$, $\frac{5}{6}$, $\frac{7}{8}$ (B) $\frac{3}{4}$, $\frac{2}{3}$, $\frac{5}{6}$, $\frac{7}{8}$
(C) $\frac{2}{3}$, $\frac{5}{6}$, $\frac{3}{4}$, $\frac{7}{8}$ (D) $\frac{7}{8}$, $\frac{5}{6}$, $\frac{3}{4}$, $\frac{2}{3}$
5. Find the odd one out: 16, 25, 36, 49, 64, 80
(A) 49 (B) 36 (C) 25 (D) 80

SECTION B: SPEED MATHEMATICS

6. Find 135×8 ?
(A) 1000 (B) 1080 (C) 1100 (D) 1200
7. 30% of 200 + 20% of 150 = ?
(A) 90 (B) 100 (C) 110 (D) 120
8. Simplify $\sqrt{256} + \sqrt{121} - \sqrt{100}$
(A) 17 (B) 18 (C) 19 (D) 20
9. Simplify $15 \times 6 - 24 \div 4 + 8$
(A) 92 (B) 94 (C) 96 (D) 98
10. Find 12^3
(A) 1728 (B) 1720 (C) 1730 (D) 1740

SECTION C: CONCENTRATION

11. Find the missing letter: E, H, K, N, ____
(A) Q (B) P (C) R (D) O
12. How many vowels are in the word "KNOWLEDGE"?
(A) 3 (B) 4 (C) 5 (D) 6
13. Which word has the maximum number of letters?
COMPUTER, TABLET, LAPTOP, KEYBOARD
(A) COMPUTER (B) TABLET (C) LAPTOP (D) KEYBOARD
14. Find the pattern: 2, 5, 10, 17, 26, ____
(A) 35 (B) 37 (C) 39 (D) 41
15. Spot the difference: "ACHIEVEMENT" vs "ACHIVEMENT" - How many letters are missing?
(A) 1 (B) 2 (C) 3 (D) 0

SECTION D: REASONING

16. All roses are flowers. Red Rose is a rose. Red Rose is a flower.?
(A) True (B) False (C) Uncertain (D) Cannot say
17. Pen : Write :: Knife : ?
(A) Cut (B) Eat (C) Draw (D) Read
18. If CAT = 24, then DOG = ?
(A) 26 (B) 28 (C) 30 (D) 32
19. Complete the series: 1, 4, 10, 19, 31, ____
(A) 46 (B) 48 (C) 50 (D) 55
20. If East is opposite to West, what is opposite to North-East?
(A) South-West (B) North-West (C) South-East (D) East