

(4)

- a) complimentary b) supplementary
c) linear pair d) adjacent
39. The two arms of a straight angle originate from the same point and are
a) on the same line b) opposite to each other
c) both a and b above d) neither a nor b
40. Find the measure of an angle 30% of which is the complement of angle of measure 60°.
a) 36° b) 60° c) 90° d) 100°
41. Which of the following is false regarding two parallel lines?
a) never intersect b) lie on the same plane
c) have no common point d) none of the above
42. The sum of all the angles in an obtuse triangle is
a) less than 90° b) more than 90°
c) less than 180° d) equal to 180°
43. If the third angle of a triangle is twice of each of the two angles which are equal, then the measure of the angles are
a) 30°, 30°, 120° b) 45°, 45°, 90°
c) 60°, 60°, 60° d) 72°, 72°, 36°
44. Which of the following can not always be true?
a) diameter = 2 radius b) radius = $\frac{\text{diameter}}{2}$
c) diameter = longest chord d) diameter = chord
45. When two lines intersect at a point, four angles are formed at the point of intersection. The sum of the four angles is of
a) 90° b) 180° c) 360° d) none of the above
46. Which of the following is different from the other three?
a) $\frac{6}{7}$ b) $\frac{7}{7}$ c) $2\frac{3}{7}$ d) $\frac{1}{7}$
47. Area of a square shaped floor is 169m² what is the perimeter of the room?
a) 52m b) 26m c) 169m d) none of the above
48. 25% of a number is equal to what fraction?
a) 25 b) one-fourth c) $\frac{4}{5}$ d) $\frac{5}{4}$
49. A one-day cricket match begins at 9:30 am and finishes at 4:30 pm. What is the total time taken by the cricket match?
a) 5 hours b) 6 hours c) 7 hours d) 8 hours
50. A number multiplied by its reciprocal is
a) the number itself b) 0 c) 1 d) none of the above

The End

18th STATE LEVEL COMPETITION - 2017

ORGD. BY: THE UNITED DEVELOPMENT ASSN. (UDA) KHANGABOK

H.Q. KHANGABOK, THOUBAL (MANIPUR)

Regd. No. 3/SR/TH/1999

21

CLASS-V (MATHS.)

Time: 1½ hrs.

INSTRUCTION:

- There are 50 questions with four alternatives of which one is the correct/most appropriate answer. Each question carry 2 marks.
 - The correct/most appropriate choice should be marked in the answer sheet with a ball point pen only, by darkening the circle corresponding to the correct choice.
 - If any candidate is found using unfair means of any kind, he/she shall be expelled from the test without any prior warning.
 - Using any calculator/mobile phone etc. is strictly prohibited in exam. hall.
 - The decision of the Association with regard to the conduct of the Examination shall be final and binding to the candidate.
- Which of the following is divisible by 3
a) 56789 b) 45678 c) 65798 d) 75896
 - A number is divisible by 5 if its digit in ones place is
a) 0 b) 2 c) 3 d) either 0 or 5
 - Which of the following is divisible by 11
a) 123454321 b) 1234567 c) 1254367 d) none of the above
 - Two numbers are coprime if their _____ is 1
a) HCF b) LCM c) difference d) none of the above
 - $a=2 \times 2 \times 3 \times 5$, $b=2 \times 3 \times 7$, $c=2 \times 3$ then HCF of a, b & c is
a) $2 \times 2 \times 2 \times 3$ b) $2 \times 2 \times 3 \times 3$ c) 2×3 d) none of the above
 - a & b are two numbers and their HCF and LCM are x & y then
a) $x \times y = a \times b$ b) $x/y = a/b$ c) $x - y = a - b$ d) $x + y = a + b$
 - Given $a=2 \times 3 \times 5$ and $b=2 \times 3 \times 5 \times 7$, find their LCM.
a) $2 \times 3 \times 5 \times 2 \times 3 \times 5 \times 7$ b) $2 \times 3 \times 5 \times 7$
c) $2 \times 3 \times 5$ d) none of the above
 - a is multiple of b then LCM of a and b is
a) a b) b c) ab d) none of the above
 - Two numbers m and n are coprime then LCM of m and n is
a) $m \times n$ b) $m + n$ c) m d) n
 - Chaoba has three pieces of ropes of length 10m, 12m and 18m. He has to cut them into small pieces of same length. The largest possible length of a piece is
a) 3m b) 2m c) 5m d) 10m
 - The HCF and LCM of two numbers are 5 and 60. If one of the numbers is 60 what is the other number?
a) 300 b) 12 c) 5 d) 60

Turn Over

(2)

12. The LCM of 15, 24 and 36 is
a) 360 b) 540 c) 8100 d) none of the above
13. Find the sum of 1234, 2345 and 3456
a) 6035 b) 6935 c) 6925 d) 7035
14. In a particular year the population of a state was 35673 more than the female population. The number of females was 1307926. What was the male population.
a) 1664689 b) 1564689 c) 1654689 d) none of these
15. Find the number which leaves the remainder same as the quotient when divided by 5
a) 5 b) 1 c) 0 d) none of the above
16. Choose the incorrect
a) Divisor = Dividend ÷ quotient + Remainder
b) Dividend = Divisor × quotient + Remainder
c) Quotient = Dividend ÷ Remainder = 0
d) none of the above
17. Value of $39 - 6 \times 2 \div 3 + (19 - 3) \div 8$ is
a) 3 b) 4 c) 5 d) 1
18. A sum of money is divided among A, B and C. A and B together gets 101; B and C together gets 79; C and A together gets 90. Find the sum of money.
a) 56 b) 45 c) 270 d) 135
19. The cost of 17 chairs is Rs. 192100. Find the number of such chairs that can be purchased for Rs. 11300000.
a) 10000 b) 10000 c) 1000 d) 100
20. Two or more fractions are called like fractions if they have the same
a) numerator b) denominator
c) numerator & denominator d) none of the above.
21. A fraction is said to be in its simplest form when its numerator and denominator forms a pair of _____ numbers.
a) prime b) equivalent c) co-prime d) none of the above
22. Which of the following pair of fractions are equivalent?
a) $1\frac{1}{2}, \frac{3}{2}$ b) $\frac{3}{4}, \frac{36}{92}$ c) $2\frac{1}{3}, \frac{7}{3}$ d) all the above
23. The reciprocal of reciprocal of a number is
a) 1 b) 0 c) the same number d) none of the above
24. The product of a number and its reciprocal is
a) 1 b) 0 c) the same number d) none of the above

Turn Over

(3)

22

25. 8 thousands + 3 hundredths is
a) 8300 b) 8000.003 c) 8000.3 d) 8000.03
26. Find the sum of $1.27 + 39.026 + 0.1375 + 0.017$.
a) 40.4505 b) 404.505 c) 40.3505 d) 404.506.
27. Which of the following fraction is the largest $\frac{7}{9}, \frac{8}{13}, \frac{13}{13}, \frac{13}{13}$?
a) $\frac{5}{7}$ b) $\frac{7}{9}$ c) $\frac{13}{13}$ d) $\frac{13}{13}$
28. The selling prices of 5 articles is the same as cost price of 4 articles. Then
a) Gain = 20% b) loss = 20% c) loss = 25% d) none of the above
29. The area of a rectangular playground of length 40m and breadth 35m is
a) 5625m^2 b) 150m^2 c) 1500m^2 d) 1400m^2
30. 5 Tonnes of Rices is equal to
a) 5000g b) 500kg c) 20 quintals d) none of the above
31. If 10ml of ORS is given for every 10 minutes to a patient, how long will it take to finish 1 litre?
a) 100 minutes b) 1 hr 20 minutes
c) 10 hrs 20 minutes d) none of the above
32. Water tank has the dimension $12\text{m} \times 80\text{cm} \times 40\text{m}$. The volume of the tank is
a) 384000m^3 b) 384000cm^3 c) 384cm^3 d) none of the above
33. The length of a square-shaped room is doubled. What is the percentage increase in area?
a) 200% b) 300% c) 400% d) none of the above
34. A school is closed for vacation on 21st Dec. and reopens on 15 February. The duration of the vacation is
a) 60 days b) 55 days c) 57 days d) 56 days
35. How many plane surfaces (only outer surfaces) are present in a cuboid?
a) 4 b) 6 c) 8 d) 12
36. Which of the following is not a plane figure?
a) a sphere b) a cone c) a cylinder d) none of the above
37. Two angles are said to be adjacent if
a) their sum is 180° b) they have a common vertex
c) they have a common arm d) b & c above
38. The sum of two opposite angles is 90° . The angles are said to be

Turn Over