



UNIFIED COUNCIL

An ISO 9001:2015 Certified Organisation



UNIFIED CYBER OLYMPIAD (UPDATED)

CLASS - 5

Question Paper Code : UC351

KEY

1. D	2. A	3. A	4. D	5. A	6. A	7. B	8. A	9. D	10. B
11. B	12. B	13. B	14. C	15. A	16. D	17. C	18. D	19. B	20. C
21. A	22. D	23. C	24. D	25. D	26. D	27. A	28. A	29. B	30. D
31. A	32. B	33. B	34. C	35. C	36. C	37. C	38. D	39. D	40. C
41. D	42. C	43. D	44. B	45. C	46. B	47. C	48. D	49. C	50. D

SOLUTIONS

MENTAL ABILITY

- (D) The missing digit according to the given expansion is 7
- (A) Factors of 84 are 1, 2, 3, 4, 6, 7, 12, 14, 21, 26, 42 and 84
Of these factors, multiples of 6 are 6, 12, 42 and 84
 \therefore The required number is 42

- (A) $7.8 + 2.4 \div 60 - 0.09 = R$

$$7.8 + \left(\frac{2.4}{60}\right) - 0.09 = R$$

$$7.8 + \left(\frac{24}{600}\right) - 0.09 = R$$

$$7.8 + 0.04 - 0.09 = R$$

$$7.84 - 0.09 = R$$

$$\therefore R = 7.75$$

Rounding off R to 1 decimal place, we get 7.8

- (D) $\frac{5}{13} + \frac{11}{13} + \frac{13}{13} = \frac{5+11+13}{13}$

$$= \frac{29}{13} = 2\frac{3}{13}$$

5. (A) The L.C.M of two co-primes is their product

6. (A) Ratio of masses of Anita & Mamta = 4 : 7

Total units = 4 + 7 = 11

Total mass = 99 kg

$$\therefore 1 \text{ unit} = \frac{99}{11} \text{ kg} = 9 \text{ kg}$$

Mamata's mass = 7 units

$$= 7 \times 9 \text{ kg} = 63 \text{ kg.}$$

7. (B) 3 necklaces + 3 rings \rightarrow ₹ 1860

$$1 \text{ necklace} + 1 \text{ ring} \rightarrow ₹ 1860 \div 3$$

$$= ₹ 620$$

Since 3 necklaces cost as much as 7 rings.

$$7 \text{ rings} + 3 \text{ rings} \rightarrow ₹ 1860$$

$$10 \text{ rings} \rightarrow ₹ 1860$$

$$1 \text{ ring} \rightarrow ₹ 1860 \div 10$$

$$= ₹ 186$$

$$\therefore \text{Cost of 1 necklace} \rightarrow ₹ 620 - ₹ 186$$

$$= ₹ 434$$

8. (A) 526.8 kg – 287.93 kg

$$= 238.87 \text{ kg}$$

$$= 238 \text{ kg } 87 \text{ g}$$

$$\therefore P = 238 \text{ and } Q = 87$$

9. (D) Factors of 14 are 1, 2, 7 and 14

Aakash's present age is a factor of 14 and his age the next year is a multiple of 5

These conditions are satisfied for 14 as 14 is a factor of 14 and 1 more than 14 = 15 = multiple of 5

Hence in 6 years time, the age of Aakash will be 14 + 6 = 20 years

$$10. (B) 1 \text{ g} = \frac{1}{1000} \text{ kg}$$

$$560 \text{ g} = \frac{560}{1000} \text{ kg}$$

$$= \frac{56}{100} = 0.56 \text{ kg}$$

$$11. (B) \frac{7}{10} \div 5 = \frac{7}{10} \times \frac{1}{5} = \frac{7}{50}$$

$$\text{Each piece of wool was } \frac{7}{50} \text{ m}$$

12. (B) The clock shows 6.45 and 55 seconds.

$$70 \text{ s} = 1 \text{ min } 10 \text{ s}$$

1 min 10 s after 6.45 and 55 s is

6.46 and 65 s (or) 6.47 and 5 s

13. (B) Length = 8.79 cm

$$\text{Breadth} = 8.79 \div 3$$

$$= 2.93 \text{ cm}$$

$$\text{Perimeter of the rectangle} = 2(l + b)$$

$$= 2(8.79 + 2.93)$$

$$= 2(11.72 \text{ cm})$$

$$= 23.44 \text{ cm.}$$

14. (C) From the given numbers 2, 3, 4, 10, 13.

The prime factors of 130 are 2 and 13

$$15. (A) \square + 2\frac{2}{5} = 3\frac{3}{10}$$

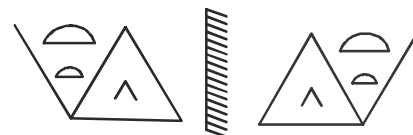
$$\square + \frac{12}{5} = \frac{33}{10}$$

$$\square = \frac{33}{10} - \frac{12}{5} = \frac{33}{10} - \frac{24}{10}$$

$$= \frac{33 - 24}{10} = \frac{9}{10} \text{ must be added.}$$

REASONING

16. (D) A, B, C are follows same pattern. Option (D) does not follows that pattern.



17. (C)

18. (D) If you look at the options, you would see that the option (A) can't be the answer because if the sheet was folded at the middle the triangles will be joined at the vertex. Similarly, you can discard all the other options except (D).

19. (B) In the rest there is the same difference between each digit.

Ex: $8(-3) 5 (-3) 2$

20. (C) In option (C) 3Z means head ache is meaningful word.

21. (A) (3, 1, 9) (4, 7, 8) (2, 5, 6) are the three class from given figure.

22. (D) 81 – which class

348 – first class

8 – class

either 3 or 4 represents 'first'.

23. (C) The dog jumped into the pond.

24. (D) $(4 + 3) \times (2 + 2) = 7 \times 4 = 28 + 5 = 33$

$$(5 + 4) \times (3 + 2) = 9 \times 5 = 45 + 5 = 50$$

$$(4 + 3) \times (5 + 6) = 7 \times 11 = 77 + 5 = 82$$

25. (D) From 15th position Bhumi moved 3 places towards left.

\therefore Position of Bhumi from right

$$38 - 12 + 1 = 27$$

26. (D) Middle image comes outside. Outer image are kept inside. Middle dark small circle.

27. (A) Since there are no T's in consecutive order.

28. (A) 1-street; 2-village; 3-town

4-district; 5-country

29. (B) F – U; A – Z; T – G; E – V

F is 6th letter from left from A to Z

U is 6th letter from right from Z to A

Similarly A – Z, T – G, E – V are the same positions.

\therefore CODE is coded as 'XLWV'

30. (D)



COMPUTERS

31. (A) Silicon is used to make Integrated Chip.

32. (B) $8 \times 128 = 1024$ bits

33. (B) USB stands for Universal Serial Bus port

34. (C) Hard disk store all the information on your computer.

35. (C) Alt + F4

36. (C) Indentation is nothing but space between margin and the start of a paragraph.

37. (C) Using design tab we can change background design.

38. (D) A multimedia presentation.

39. (D) Forward and FD are the commands used to move the turtle forward from its position.

40. (C) Ctrl + M

41. (D) The text will wrap to the next line.

42. (C) Printer, modem, scanner, digital camera are called peripherals.

43. (D) Interactivity is the way user to communicate with a multimedia.

44. (B) Motherboard

45. (C) Binary number system is used to the computer to calculate and to store data.

ENGLISH

46. (B) saw

47. (C) is the correct answer. The correct spelling of that word is 'Miscellaneous'.

48. (D) cons

49. (C) is the correct option. An article is determined based on the vowel or consonant sound a word produces in its beginning, when pronounced. So, as 'uncle' as in 'earth', 'Indian' as in 'inner' and 'unusual' as in 'another', all produce a vowel sound in the beginning when pronounced, attract 'an' as their article each. And as 'European' and 'universal' both produce a consonant sound as in 'you', each attract 'a' as their article.

50. (D)