UNIFIED COUNCIL

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UCO
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UNIFIED CYBER OLYMPIAD *(UPDATED)*

CLASS - 5
Question Paper Code : UC359

KEY

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

SOLUTIONS

MENTAL ABILITY

1. **(B)** The smallest 6 – digit odd number = 100001

    The largest 4 – digit even number = 9998

    Their difference = 100001 – 9998 = 90003

2. **(D)** 2 tens 6 thousandths

    = 20 + 0.006 = 20.006

3. **(C)** Five – eighteenth = $\dfrac{5}{18}$

4. **(D)** Let the numbers be 24 and 240

    Then their H.C.F = 24 and L.C.M = 240

    Hence the required numbers are 24 and 240

5. **(C)** The celsius scale is divided into 100 equal divisions each representing a degree

6. **(A)** The volume of the liquid in beaker P

    = 1l 250 ml

    = 1250 ml

    The volume of the liquid in beaker $Q = \dfrac{1}{2}P$

    $= \dfrac{1250}{2} = 625 ml$

    The volume of the liquid in beaker $R = \dfrac{2}{5}Q$

    $= \dfrac{2 \times 625}{5} = 2 \times 125 = 250$ ml

website : www.unifiedcouncil.com

7. **(B)** Cost of 5 Oranges = ₹ 60.20

Cost of 1 Orange = ₹ 60.20 ÷ 5

= ₹ 12.04

Cost of 30 oranges = ₹ 12.04 × 30

= ₹ 361.20

8. **(C)** Multiples of 8 : 8, <u>16</u>, 24, ...

Factors of 48 : 1, 2, 3, 4, 6, 8, 12, $\boxed{16}$, 24, 48

16 is the multiple of 8 and a factor of 48.

9. **(D)** The cost of 15 Pens = ₹ 148.50

The cost of 1 Pen = ₹ 148.50 ÷ 15

= ₹ 9.90

10. **(A)** 450 − 275 = 175

Fraction $= \dfrac{175}{450}$

$= \dfrac{7}{18}$

$\dfrac{7}{18}$ of the children are girls

11. **(C)** 6 years 8 months + 3 years 6 months

[∵ 1 year = 12 months]

= 80 months + 42 months = 122 months

12. **(A)** 16.25 kg ÷ 13 watermelons

= 1.25 kg → Each watermelon

Mass of 3 watermelons = 1.25 × 3

= 3.75 kg

13. **(C)**

3	3, 6, x
2	1, 2, $\dfrac{x}{3}$
$\dfrac{x}{6}$	1, 1, $\dfrac{x}{6}$
	1, 1, 1

Given that L.C.M of 3, 6, x is 18,

∴ L.C.M $= 3 \times 2 \times \dfrac{x}{6} = 18, x = 18$

14. **(D)** The sum of the first five multiples of 8 is

8 + 16 + 24 + 32+ 40 = 120

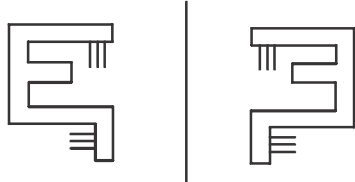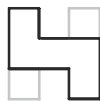15. **(B)** Sum of $\dfrac{12}{13}$ and B is $1\dfrac{10}{39}$

$\dfrac{12}{13} + B = 1\dfrac{10}{39}$

$B = \dfrac{49}{39} - \dfrac{12 \times 3}{13 \times 3}$

$= \dfrac{49}{39} - \dfrac{36}{39}$

$= \dfrac{49 - 36}{39} = \dfrac{13}{39} = \dfrac{1}{3}$

REASONING

16. **(D)** a ^{q} e ^{r} i ^{s} o ^{t} u

aqe eri iso otu

17. **(D)**

18. **(A)** '1' letter between Z and X = Y

'3' letters between W and S = T, U, V

'5' letters between R and L = M,N,O,P,Q

'7' letters between K and C = D, E, F, G, H, I, J

∴ Correct answer is 'A'.

19. **(B)**

20. **(C)** Only C shows all of the target shape.

21. **(C)**

22. **(B)** SPINA(L)ATE So, SPINA(L) and (L)ATE

23. **(D)** Rani ki vav is one of the UNESCO's list of World Heritage Sites. Where as remaining are 7 wonders of the world.

24. **(C)** (1, 2, 8) (4, 7, 9) (3, 5, 6)

25. **(C)** 4 × 6 × 24 = 576

3 × 5 × 15 = 225

26. **(C)** You can tie your hair.

27. **(C)** Clearly, the first half of English alphabet has letters from A to M, and the second half has letters from N to Z. The third letter of the second half is P, and the eighth letter to the right of P is X.

28. **(C)** There are 8 letters in word.

   The first letter of the word has been left intact.

   The order of remaining letters has been reversed.

29. **(D)** is different from others.

30. **(A)** As per question 9th the month : saturday (day preceding day name repeats after 7 days.

   ∴ 9 – 7 = 2nd of the month is saturday then the 1st day of friday.

COMPUTERS

31. **(C)** Pendrive is a flash drive.

32. **(B)** Satya Nadella is currect CEO of Microsoft.

33. **(C)** Windows + D is used to minimize all open windows.

34. **(B)** Windows XP is an operating system. Whereas Dell, Yahoo and Microsoft are not operating systems.

35. **(B)** The commands in LOGO are not case sensitive. It accepts both capital and small letters.

36. **(D)** The multimedia element that makes object move is called animation.

37. **(C)** The main disadvantage of vaccum tubes are they produced heat and often burned out.

38. **(D)** Background colour or effects applied on a document is not visible in print preview.

39. **(D)** Themes group contain colours, effects and fonts.

40. **(A)** An orderly display of information using different media elements is known as Multimedia Presentation.

41. **(A)** To show or hide a paragraph marker, you can use the keyboard shortcut shift + ctrl + 8

42. **(D)** PD, PU, PE, ST and HT commands do not need any input with them.

43. **(B)** There are 5 main elements in multimedia.

44. **(C)** The multimedia element that explains idea through a picture is called graphic.

45. **(D)** Statement 1: CD-RAM stands for compact Disk-Read only memory

   Statement 2 : CD-RAM is a compulsory part of a computer.
   Both the statements are false.

ENGLISH

46. **(A)** Present participle

47. **(B)** is the correct option. The correct spelling of the word is 'Interesting'.

48. **(D)** Sunken

49. **(D)** is the correct option. 'Last' a determiner, meaning 'final' or 'the only remaining', denotes a specific attempt and so it takes 'the' as its article. The word 'one-sided' has in its beginning the consonant sound as in 'won' and so it takes the article 'a' and not 'an'.

50. **(B)** retreat

The End