UNIFIED CYBER OLYMPIAD *(UPDATED)*

CLASS - 6

Question Paper Code : UC359

KEY

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

SOLUTIONS

MENTAL ABILITY

1. **(D)** $\dfrac{\dfrac{5}{4} \times \dfrac{2}{3}}{\dfrac{2+30-27}{30}} = \dfrac{5}{6} \times 6 = 5$

2. **(D)** a × b = LCM × HCF

   75 × b = 225 × 15

   $b = \dfrac{225 \times 15}{75} = 45$

3. **(A)** Given 10x − 7x = 105

   3x = 105   x = 35

   ∴ 10x + 7x = 17x = 17 × 35 = 595

4. **(C)** $6 \times \dfrac{2}{3} \times \dfrac{3}{2} = 6$

5. **(D)** Given 4s = 108m

   $s = \dfrac{108}{4}m = 27\ m$

   ∴ s² = (27 m)² = 729 m²

6. **(B)** $(7x^2 + 5x − 2y^2) + (2y^2 − 6x − 3x^2)$

   $= 4x^2 − x$

7. **(B)** −7 lies between −8 and −6

8. **(A)** let the number of correct questions be x

   Given 3x − 1(100 − x) = 0

$3x - 100 + x = 0$

$4x = 100$

$x = 25$

9. **(C)** $\dfrac{4}{15} = 0.266$

$\dfrac{5}{17} = 0.294$ $\dfrac{10}{33} = 0.\overline{30}$

$\dfrac{8}{27} = 0.296$ $\dfrac{4}{15} < \dfrac{5}{17} < \dfrac{8}{27} < \dfrac{10}{33}$

10. **(A)** Area of floor $= \dfrac{\text{volume}}{\text{height}} = \dfrac{204m^3}{6m} = 34m^2$

11. **(C)** Area of square $= (2x + 3y)^2 = (4x^2 + 12xy + 9y^2)$

12. **(B)** Given $a^3 = 1728cm^3 = (12\ cm)^3$

13. **(B)** ☺ ☺ ◖ $= 10 + 10 + 5 = 25$

14. **(A)** Between 8.00 am to 12.00 Noon the increase in temperature is maximum.

15. **(C)** Distance travelled by him in one minute $= 10m \times 60 = 600\ m$

Distance travelled by him in '5' minutes $= 600\ m \times 5$

$= 3,000\ m = 3\ km$

REASONING

16. **(B)**

17. **(D)** 'PREDICTIONS'

'S' is not there in PREDILECTION.

18. **(C)** In each of the pair except (c), the ratio of the two numbers is 7 : 8.

Hence answer is (C).

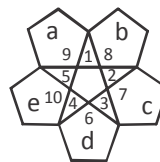19. **(A)** $5 \times 4 + 3 \times 2 = 26$

$8 \times 9 + 7 \times 6 = 114$

$13 \times 12 + 10 \times 11 = 156 + 110 = 266$

20. **(D)** $4 \times 16 + 5 - 4 \div 2$

$4 \times 16 + 5 - 2$

$64 + 3 = 67$

21. **(B)**

10 triangle – 6 pentagons

= 4 more triangles
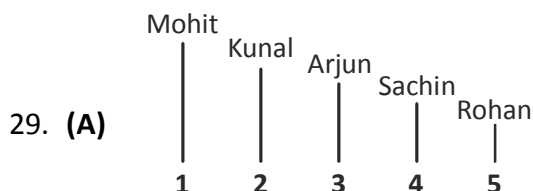
22. **(A,C)** RELAX, LIGHTEN

23. **(D)** 1 Y = Airport

24. **(D)**

25. **(C)** 'E' is the next letter in the given sequence.

A   AB   ABC   ABCD   ABCDE

26. **(A)**

27. **(C)** Counting from the right, i.e., from Z in the given alphabet series, the eighteenth letter is I. Counting from I towards the right, the seventh letter is P.

28. **(D)** $52 - 2 = 50;\ 50 - 3 = 47;\ 47 - 4 = 43.$

29. **(A)**

30. **(B)**

COMPUTERS

31. **(C)** Micro type computers are also called personal computers.

32. **(A)** One computer that is not considered a portable is Minicomputer.

33. **(B)** The accuracy with which a computer works denotes its precision.

34. **(B)** You can record timings automatically as you rehearse your presentation.

35.	**(C)**	Slide transitions control how your presentation moves from one slide to another.
36.	**(B)**	ctrl + M is used to insert a new slide in Powerpoint presentation.
37.	**(D)**	yahoo.com represents domain name.
38.	**(B)**	Bing, Google and yahoo are some of the most commonly used search engines. Google chrome is a web browser.
39.	**(C)**	Internet Service Provider
40.	**(A)**	The speed of a computer is measured in MIPS (Million Instructions Per Second)
41.	**(C)**	& (ampersand) cannot be used in Excel sheet.
42.	**(B)**	Use the undo button immediately to reverse the action.
43.	**(A)**	A group of web pages is called a website.
44.	**(C)**	is used to shades the background of the text with different colours in MS-Word.
45.	**(B)**	In the given image the letter 'C' is showing the address bar.

ENGLISH

46.	**(A)**	Article
47.	**(C)**	is the correct option. The female of a deer or a rabbit is called a 'doe' and option (C) is its plural.
48.	**(B)**	is the correct option. There is no verb as 'allure' to give us a gerund as 'alluring'.
49.	**(D)**	Option (D) is the correct answer. 'The' is the correct article for the word 'entrance' here, as it is referred to as 'of that shrine', meaning a specific one, and 'ornate' being an adjective not followed by its noun, and 'inscriptions' being a plural, both do not take an article.
50.	**(A)**	roll-up

The End