



Unified International Cyber Olympiad

UNIFIED INTERNATIONAL CYBER OLYMPIAD (UPDATED)

CLASS - 5

Question Paper Code : 3B117

KEY

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

SOLUTIONS

MENTAL ABILITY

01. (D) Option (A) : $20.2 \times 10 = 202$
Option (B) : $2.2 \times 100 = 220$
Option (C) : $0.22 \times 100 = 22$
Option (D) : $2.02 \times 1000 = 2020$
02. (A) Weight of rice in his stock = 46 kg 750 g
Weight of rice sold = 28 kg 850 g
Rice left = 46 kg 750 g – 28 kg 850 g.
= 46750 – 28850
= 17900 = 17 kg 900 g.
03. (C) If we distribute 5 pens to each children
then for 19 children = $19 \times 5 = 95$

But for 5 children got 1 pen less
i.e., 4 pens

$$= 95 - 5 = 90 \text{ pens}$$

Pens in the box = 90

04. (C) Factors of 24 = $1 \times 24, 2 \times 12, 3 \times 8, 4 \times 6$

$$\text{Sum} = 1 + 2 + 3 + 4 + 6 + 8 + 12 + 24 = 60$$

05. (B) Time on the given clock is 8 : 40

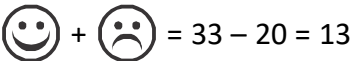
$$8 : 40 + 85 \text{ sec} + 50 \text{ sec}$$

$$1 \text{ min} = 60 \text{ sec}$$

$$8 : 40 \text{ min} + 120 \text{ sec} + 15 \text{ sec}$$

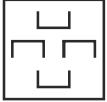
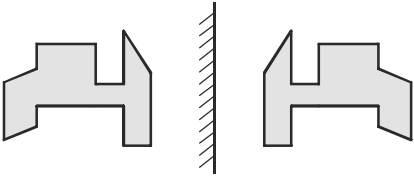
$$8 : 40 \text{ min} + 2 \text{ min} + 15 \text{ sec}$$

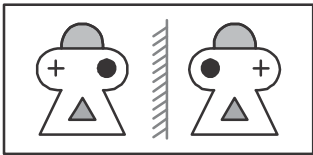
$$15 \text{ past } 8 : 42 \text{ min}$$

06. (C) Amount with Manish = ₹ 2000
 Cost of a watch and a mouse = ₹ 850 + ₹ 920 = ₹ 1770
 If he buy a mouse and a calculator (or) watch and calculator it will be more than ₹ 2000
 Amount left with Manish = ₹ 2000 – ₹ 1770 = ₹ 230
07. (A) 1 week = 7 days
 125 weeks = $125 \times 7 = 875$ days
08. (C) Number of quarters in 3 wholes = $3 \times 4 = 12$ (4 quarters make a whole)
 Number of thirds in 2 wholes = $2 \times 3 = 6$ (3 thirds make a 1 whole)
 $12 + 6 = 18$
09. (C) The value of P is $6.5 + 0.13 = 6.63$
 The value of Q is $6.63 + 0.13 = 6.76$
 The value of R is $6.76 + 0.13 = 6.89$
 $\therefore P + Q - R = 6.63 + 6.76 - 6.89 = 6.50 = 6.5$
10. (A)  = 33
 = 20
 = $33 - 20 = 13$
11. (C) 100 crores = 1 billion
12. (B) HCF of 120, 144 & 216 is 24
13. (B) Given wire + string + ribbon = 41.6 cm
 wire + 7.4 cm + wire + 4 wire = 41.6 cm
 $6 \text{ wire} = 41.6 - 7.4 \text{ cm} = 34.2 \text{ cm}$
 $\text{wire} = \frac{34.2 \text{ cm}}{6} = 5.7 \text{ cm}$
 String = $7.4 \text{ cm} + \text{wire} = 7.4 \text{ cm} + 5.7 \text{ cm} = 13.1 \text{ cm}$
 Ribbon = $4 \times \text{wire} = 4 \times 5.7 \text{ cm} = 22.8 \text{ cm}$
 Difference between ribbon and string = $22.8 \text{ cm} - 13.1 \text{ cm} = 9.7 \text{ cm}$

14. (C) $\frac{7}{8} = 0.875, \frac{2}{3} = 0.666, \frac{5}{8} = 0.625, \frac{11}{12} = 0.91 \frac{9}{11} = 0.819$
15. (A) Let dinesh has 'x' marbles and kabir has 'y' marbles
 ie $x - y = r^2 \rightarrow (1)$
 Given $x - 1 = y + 1$ and
 $x + 1 = 2(y - 1)$
 $x + 1 = 2y - 2$
 $x - 2y = -3 \rightarrow (2)$
 $\therefore$ solving (1) & (2) $x = 7$ & $y = 5$
 $\therefore$ Dinesh has '7' marbles

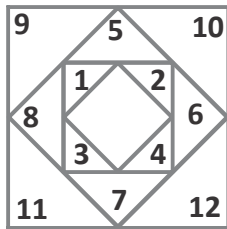
REASONING

16. (B) Option (B) is most similar to the given figure.
17. (C) 
18. (B) PQR, VWX, BCD, HIJ, NOP.
 remove '3' letters for every time.
19. (B) 
20. (C) Adding 'I' horizontal line and 'I' vertical line to the previous one.
21. (C) By using the letters of the given word, HEARTY can't be formed because in the given word, letter 'Y' is absent
22. (C) April is the 4th month
 The digit after the word is order of months of the year.

23. (D) 

COMPUTERS

24. (B)



25. (C) Each letter of the word is three steps behind the corresponding letter of the code.

26. (C) Parasite, Party, Paste, Petal.

27. (B)

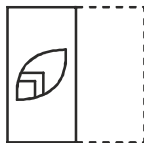


28. (C) 2, 4, 9 have two similar elements intersecting each other.

6, 7, 8 have two different elements one placed inside the other.

1, 3, 5 have two different elements intersecting each other.

29. (B)



30. (A) US: 2119;

U = 21 is the position of U in English alphabet.

S = 19 is the position of S in the English alphabet.

Hence in KR : ?

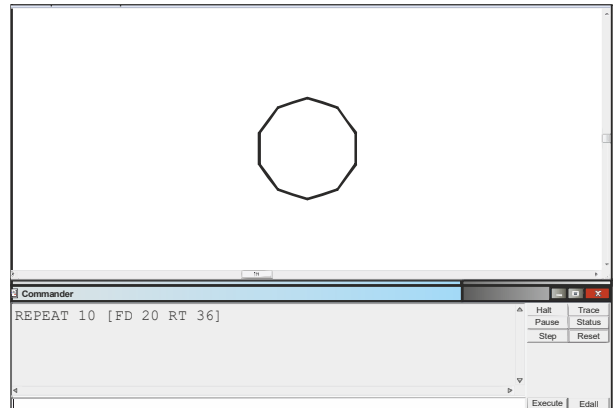
KR : 1118

1118 is the correct option.

31. (C) In 3rd Generation Computers transistors were replaced by integrated chips. Option (C) is correct.

32. (D) Tab is used to select one hyperlink after another during a slide presentation.

33. (A)



DECOGON means 10 sides . the input to be given $(360/\text{number of sides}(10))= 36$

Therefore FD=20 and RT =36

34. (C) The size of the font of the selected word will get decreased

35. (B) Discrete media refers to media that can be consumed at any pace and is not continuous over time.

Text is not time-based; you can read it at your own speed.

Audio, Video, and Animation are time-based media because they have a sequence that plays over time.

36. (B) Alt + F4 is used to close the current window.

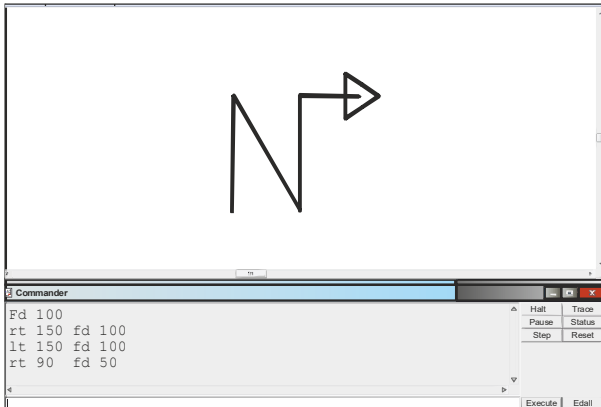
Ctrl + Esc open the start menu on desktop.

37. (A) Insert object is used to open another program inside the word pad.

38. (C) A file extension tells its type. Multimedia files commonly have .png, .wav, .mp3, .mpeg extensions.

39. (D) Ankur use show windows side by side options.

40. (B) Line 1: FD 100
Line 2: RT 150 FD 100
Line 3: LT 150 FD 100
Line 4: RT 90 FD 50



41. (C) A spider (also called a crawler or bot) is a program used by search engines to browse the web and index websites.
42. (B) In LOGO programming, the command to subtract two numbers is DIFFERENCE.
43. (B) The Quick Launch toolbar in Windows provides one-click access to commonly used programs.

44. (C) Silicon is the primary material used to make semiconductors and computer chips.
45. (B) The Control Panel allows users to change system settings, manage hardware, software, and user accounts.

ENGLISH

46. (D)
47. (C)
48. (A) 'Address' is the only homonym. As a noun alone, it has two different meanings : (1) The details of a place where someone lives or something is located and (2) A formal speech that is made in front of an audience.
49. (B) 'Bunglow' is an incorrect spelling. Its correct spelling is 'Bungalow'.
50. (B)

===== The End =====