UIC
Unified International Cyber Olympiad

UNIFIED INTERNATIONAL CYBER OLYMPIAD (UPDATED)

CLASS - 3
Question Paper Code : 3P114

KEY

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

SOLUTIONS

MENTAL ABILITY

01. (C)

1	2	3	4
5	6	7	8

$= \dfrac{1}{8}$

02. (C)   Option (C) 30 is divisible by 2, 3, and 5

03. (C)   The even two-digit numbers whose digits sum to 5 are :

14 (1 + 4 = 5)

32 (3 + 2 = 5)

50 (5 + 0 = 5)

So there are 3 such numbers.

04. (D)   Let's understand :

• Total beads = 108

• Red beads = 45

• To find beads that are not red, we need to subtract red beads from total beads :

108 – 45 = beads that are not red

108 – 45 shows exactly what we need

05. (C) This would mean :

First number: 4897

Second number: 4898

Third number: 4899

Let's match this with the given:

4897 → _____ 7 (only the last digit '7' is shown)

4898 → _____898 (only 898 is visible)

4899 → 48_____ (starts with 48)

So all three fit perfectly.

06. (B) Rhombus, Parallelogram, Trapezium, Rectangle — all are 4-sided polygons (quadrilaterals).

07. (A) Total cost = ₹ 120 (book) + ₹ 20 (snack) = ₹ 140

- Gift from sister = ₹ 25

- Amount Bunty still needs = ₹ 140 − ₹ 25 = ₹ 115

- ₹ 115 ÷ ₹ 5 = 23 five-rupee coins

08. (A)

1. Right now, Joy has 360 balloons.

2. Earlier, he bought 87 balloons, so before buying, he had 360 − 87 = 273 balloons.

3. These 273 are what remained after giving away 143 balloons.

4. So to find out how many he had before giving away, we add back those 143:

273 + 143 = 416273 + 143 = 416273 + 143 = 416

So Joy had 416 balloons at first

09. (B)
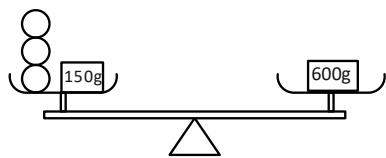
= 600 g − 150 g

= 450 g

= 150 g

△△△ = 50

3 △ = 5 × 150 g

3 △ = 750 g

△ = 250 g

2 △ 250 × 20 = 500 g

10. (B) Note that Aruna did not finish 10 min before Sunil. Aruna took 10 min less than the time taken by Sunil

2:40 p.m $\xrightarrow{+2\,h}$ 4:40 p.m $\xrightarrow{+2s5\,min}$ 5:05 p.m (Sunil)

2 h 25 min − 10 min = 2 h 15 min

2:55 p.m $\xrightarrow{+2\,h}$ 4:55 p.m $\xrightarrow{+15\,min}$ 5:10 p.m (Aruna)

11. (C) Capacity of 2 tanks → 2 × 18 = 36 l

40 − 36 = 4 l = 4000 ml

The capacity of 5 jugs is 4000 ml

12. (C) Total length of the 3 strings → 3 × 176 = 528 cm

10 m = 1000 cm

1000 − 528 = 472 cm

Their total length is 472 cm less than 10 m.

13. (D) This sequence repeats every 3 shapes:

Cone → Cube → Sphere

Sphere → Sphere occurs at every 3rd shape, including the 12th.

14. (C) Number × 1 = Number this correct, it shows the multiplicative identity.

**15. (D)** 60 × 3 = 180 False.

REASONING

16. (B) It shows a shorter version of the top pattern, just like how the triangle row was shortened — and it keeps the same color order (White–Black–White).

17. (B) Satish says : After 15th but before 18th → Possible dates: 16th, 17th

Kajal says : After 16th but before 19th → Possible dates: 17th, 18th

Common date = 17th February

18. (B)
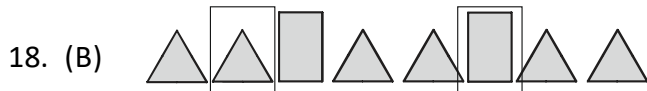
19. (C) Since everyone is facing the center,

"Left" is anticlockwise

"Right" is clockwise

This seating arrangement is shown in the diagram.

Hence Q is just left of R.
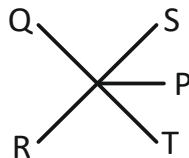
20. (A) Clock : Time
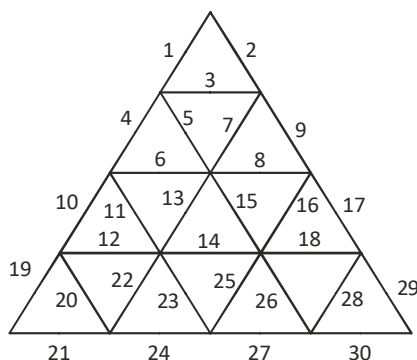
A clock is a device used to measure or show time.

Thermometer : ?

A thermometer is a device used to measure or show temperature.

21. (C) The number of small squares are increasing by one.

22. (A) PD In the code, first letter represents outer shape and second letter represents position of inner figure.
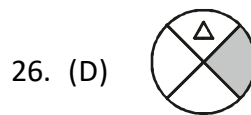
23. (A) ⇒ 3 match sticks

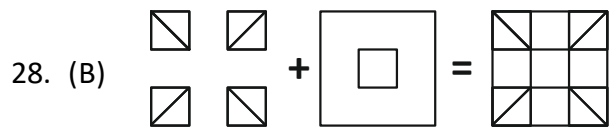∴ 30 match sticks are required to draw the given shape.

24. (B) Spatula is used in a kitchen for cooking.

All others (Trowel, Hoe and Rake) are gardening tools used for digging, weeding, or collecting leaves.

25. (C) Only option (C) is similar to the given group.

26. (D)

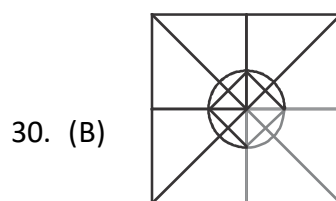27. (D) Child will write with pencil. But, in that code pencil is called sharpener

28. (B)

29. (D) 7 + 4 + 3 + 1 = 15

9 + 2 + 6 + 1 = 18

12 + 2 + 4 + 1 = 19

9 + 7 + 5 + 1 = 22

30. (B)

COMPUTERS

31. (D) ALU performs arithmetic operations and comparisons.

32. (B) All options are computer-related devices.

But (A) MOUSE, (C) KEYBOARD and (D) SCANNER are input devices – they help send data into the computer.

(B) PRINTER is an output device – it helps get data out of the computer on paper.

So, (B) is the odd one out because it's the only output device, while the others are input devices.

33. (A) Many symbols need Shift + number keys, which students may not know without practice.

34. (C) PC's at home uses single - user OS whereas in hospitals and railway stations uses multi-user OS.

35. (C) A webcam is a small camera that sends your video to the other person.

• On a video call (like Zoom, Google Meet, or Skype), if your webcam is not connected or turned on, your friend won't be able to see your face.

• You can see your friend because your monitor works, but they can't see you without a working webcam.

36. (B) Flipkart is a shopping app where you can buy items like school bags.

37. (A) 2 – 3 – 1

- Step 2: First, zoom in to see each pixel clearly.
- Step 3: Then, select your drawing tool (Pencil or Square).
- Step 1: Finally, set your red color and start building the heart square by square.

38. (D) Flip horizontal → Rotate right 90°

39. (C)

(A) Clipboard – For copy, cut, paste.

(B) Paragraph – For alignment, bullets.

(C) Font – Controls text size, bold, color.

(D) Design – For themes and page look, not font style.

40. (D) Backspace : Deletes the selected word.

Delete : Deletes the selected word.

Enter : Deletes the word and moves the cursor to a new line (confusing for kids).

Shift : Does NOT delete anything. It's used with other keys to type capital letters or shortcuts.

41. (C) Among the given devices, a hard disk has the highest storage capacity.

42. (D) The correct order is 3 → 1 → 4 → 2

First we should turn on the computer, then plug in the internet cable or connect to Wi-Fi, then wait for the internet to connect, afterwards open the web browser.

43. (C) Floppy disk has the less storage capacity among the options.

44. (B) Processed Output

The text is an organized and meaningful result shown after processing

45. (B) Windows, Linux, macOS

These are all operating systems – the main software that helps the computer run and allows you to use other apps.

- Windows – OS by Microsoft
- Linux – Open-source OS
- macOS – OS by Apple

ENGLISH

46. (A) 'Joyful' is actually similar to 'happy', not an opposite. The other options are negative emotions.

47. (B) "She" is a singular subject, so the verb should be "goes" — not "go".

48. (B) "Look up to" means to admire or respect someone.

49. (C) "Butterfly" is the correct spelling of the insect.

50. (B) "Sad" is the opposite of "happy", so it is not a synonym.

The End