UIC
Unified International Cyber Olympiad

UNIFIED INTERNATIONAL CYBER OLYMPIAD (UPDATED)

CLASS - 2
Question Paper Code : 3P114

KEY

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

SOLUTIONS

MENTAL ABILITY

01. (C) △ + 2

We know that in addtion order does not matter. Answer remain same even if we change the order.

02. (D) The number 6 when unfolding the strip of paper the total number of squares covered 13. i.e., the longest

03. (C) 1, 2, 3, 4, 5 are numbers in board

1 + 2 = 3	2 + 3 = 5	3 + 4 = 7	4 + 5 = 9
1 + 3 = 4	2 + 4 = 6	3 + 5 = 8	
1 + 4 = 5	2 + 5 = 7		
1 + 5 = 6			

Now list all different result 3, 4, 5, 6, 7, 8, 9

There are 7 possible different result.

04. (B) The total number of flowers = 6

Out of those, 4 flowers have 5 petals each :

5 + 5 + 5 + 5 = 20 petals

The rest of the flowers: 6 - 4 = 2 flowers

These 2 flowers have 3 petals each: 3 + 3 = 6 petals

Now add them together :

20 (from 5-petal flowers) + 6 (from 3-petal flowers) = 26 petals

So, the total number of petals is 26

05. (B) Rehan has 10 marbles

Priya has 15 marbles

Arun has more than 10, but less than 15

So Arun could have 11, 12, 13 or 14 marbles.

11 is the only number in the options that fits.

06. (C)

Option	More than 130	Tens digit ≠ 3 ?	Final Verdict	Why students might choose it
(A) 134	✔	✘ (tens = 3)	✘	Forget tens digit rule
(B) 129	✘	✔ (tens = 2)	✘	Think 129 is close enough
(C) 140	✔	✔ (tens = 4)	✔	Correct answer
(D) 131	✔	✘ (tens = 4)	✘	Ignore or miss tens digit

07. (D)

	Student May Think	Why it's Wrong
(A)	Standard expanded form	Correct
(B)	"Wait, it skips 30?" but still correct	Correct
(C)	Tricked by reading number words	Correct
(D)	400 + 23 looks close enough to 432	Incorrect Total is only 423

08. (B) Ball (₹45) → No discount → ₹45

Bag (₹85) → ₹15 OFF → ₹70

Hat (₹65) → ₹15 OFF → ₹50

Total = ₹45 + ₹70 + ₹50 = ₹165

09. (A) 5 times 3 = 15

6 times 3 = 18

So, we are looking for an even number between 15 and 18.

Even numbers between 15 and 18 :

Only 16 fits this condition.

10. (D)
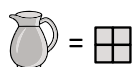
1 □ = 100 gms

150 g = 4 × 100 gms

= 400 gms

11. (D) Mamatha has 3 ribbons :

Lengths : 4 cm, 7 cm and 10 cm

Red ribbon = 10 cm

Blue ribbon = shortest = 4 cm

So the remaining ribbon (not red or blue) must be the purple ribbon, which is 7 cm long.

12. (D) A jug is larger and is meant to hold more liquid than a teacup. A teacup is used for small amounts of liquid like tea or coffee, whereas a jug can pour multiple cups.

13. (B) There are 4 curved lines.
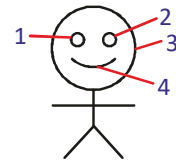
14. (B) $27 \div 9 = 3$

15. (A) From $12 \to 18 \to 24 \to 30 \to 36$

It's increasing by +6 each time

So, to find the missing numbers :

Before 12 : 12 − 6 = 6

After 36 : 36 + 6 = 42

Missing numbers are 6 and 42

Now, calculate their difference :

42 − 6 = 36

REASONING

16. (C) Option A, B and D are same images, in 'C' the shades are different.

17. (B) 1, 5, 3, 6, 2, 4
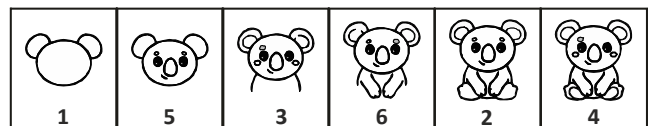
18. (D) In A, B, C middle letter is capital and outer circle with respective small letters. But in option (D) Middle letter in small circle is D and outer circle has small letter 'b'.
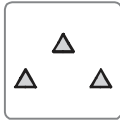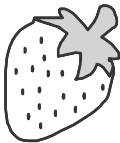
19. (B)

20. (D)

Options		Middle Letter	Vowel ?	Matches 'tan' & 'fax' (with 'a') ?	Verdict
(A)	eye	y	No	No	Incorrect
(B)	ant	n	No	No	Incorrect
(C)	fun	u	Yes	No	Incorrect
(D)	eat	a	Yes	Perfect match	Correct

21. (C) P, T are exactly same in the given box.

22. (B) In the first pair the circles are half removed simmilarly in second pair half triangles are removed.

23. (C)
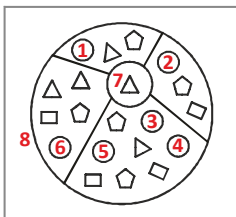
24. (C) × 3 = 30

10 × 3 = 30

10 − 4 = 6

3 × 2 = 10 − 4

∴ 3 × 2 = 6

Why not the other options ?

25. (C) Ram took away 2 pears and 4 apples — that's 6 fruits.

That leaves 6 fruits, and those are all oranges.

But he took away half of those oranges.
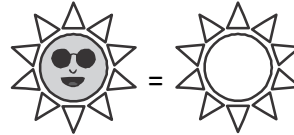
Half of 6 is 3, so 3 oranges are left!

26. (B)

27. (C)

28. (B) Zero, One, Two, Three, Four, Five, Six, Seven, Eight, Nine

4, 3, 3, 5, 4, 4, 3, 5, 5, 4

29. (C) Night → opposite of the day

30. (D)

COMPUTERS

31. (D) The Paint Bucket tool is used in drawing programs like MS Paint to fill an entire area with one color in just one click. It's perfect for filling big shapes like circles quickly, just like the teacher said in the question.

32. (A)

Z	L	K	M	N	Y	R	E
H	O	S	P	I	T	A	L
X	T	J	I	H	O	M	E
C	B	A	N	K	W	F	G

33. (A) The tab key on a standard keyboard is found just above the caps lock key on the left side.

34. (C) Double-clicking means pressing the left mouse button two times quickly. This opens the file or folder you clicked on

35. (B) Laptop

Correct – APLTPO unscrambles to LAPTOP, which matches this image.

36. (D) Number Keys, Enter Key, Spacebar, Alphabet Keys, Shift Key, Punctuation Keys It includes all the key types directly involved in typing the content of the given sentence.

37. (C)

Pencil Tool, Bucket Tool, Text Tool, Eraser Tool, Colour picker Tool, Magnifier tool
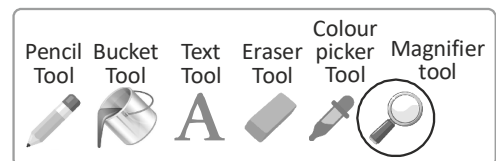
38. (C)

39. (A) Oval – can represent the sun

Star – sometimes used for shining effect or sparkle

Cloud shape – clearly represents clouds

Jagged lightning shape – can represent weather (like a stormy sky)

40. (C) A calculator is used only for doing math.

It cannot go online, cannot run apps, and cannot download anything.
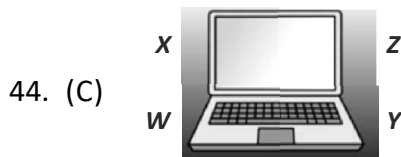
So, Ria cannot use the calculator to download or play the game.

41. (B) If a computer suddenly shuts down, the most likely reason is that it lost power.

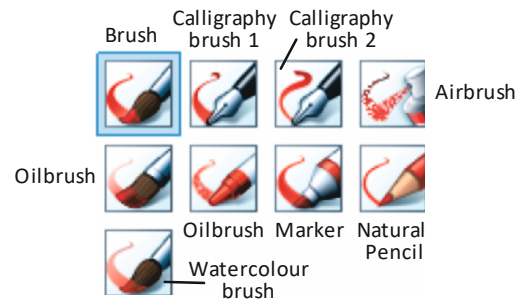This can happen if the battery runs out or the power cable is unplugged.

The game would stop immediately in this case.

42. (C) Left-click twice (double-click)

43. (B) Mouse – You use a mouse to click and open programs.

44. (C)

45. (C) The Watercolor Brush appears last in the brush list and creates soft, blended strokes like real watercolor.

ENGLISH

46. (A) The correct spelling is "obedient", which means someone who listens and follows rules. The other options are misspelled.

47. (C) "Glanced" means to take a quick look. "Stared" means to look for a long time.

48. (D) "Praised" means admired or spoke well of someone.

49. (B) "Shallow" is the opposite of "deep", especially when referring to water levels.

50. (C) This is the correct sentence with proper subject-verb-object order.

The End