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UIM
Unified International Mathematics Olympiad

UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD

CLASS - 1
Question Paper Code : 4O119

KEY

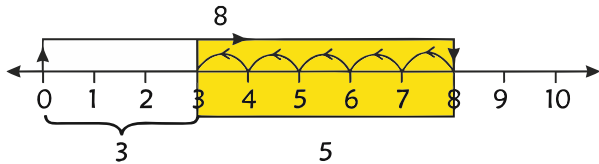| 1	2	3	4	5	6	7	8	9	10
B	C	C	B	B	D	C	D	B	D
11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
C	B	C	C	D	B	C	D	A	B
21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
A	A	D	C	C	B	B	C	A	A
31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
B	C	D	B	A	D	A	A	B	B

EXPLANATIONS

MATHEMATICS

01. (B) Option (B) has 3 flowers.

02. (C) 7 – 3 = 4

03. (C) The number that comes just before 9 is 8.

04. (B) The tub given in option (B) is the deepest.

05. (B) 3 tens 11 ones = (3 10) + (11 1)

   = 30 + 11 = 41 > 40

   39 < 40

   4 tens = 40

   4 tens 2 ones = (4 10) + (2 1)

   = 40 + 2 = 42 > 40

   39 is smaller than 40

06. (D)   = 16 = 16 units

   ($\because$ 1 = 1 unit).

   $\therefore$ = = 4 units

07. (C) The given number line shows that $8 - 5 = 3$

08. (D) Neha woke 2 hrs after 4o'clock

(i.e.,) 6 o'clock.

09. (B) In the given figure, the amount of water in each glass decreases in the series T, R, P, S, Q.

10. (D) Option (A) The clock shows 3:15 a.m.

Option (B) The clock shows 4:25 a.m.

Option (C) The clock shows 1:45 a.m.

Option (D) The clock shows 5:30 a.m.

11. (C) Among the given options, brushing at 6 O' clock in the morning is the activity done at the right time.

12. (B) Thus, the figure in option (B) has more number of straight lines than the others.

Option	No. of straight lines
A	10
B	32
C	6
D	23

13. (C) Rs. 26.50

14. (C) $100 = 10 \times 10$

15. (D)

 + = 10

 = 5

 + 5 = 13

 = 13 − 5 = 8

16. (B) S is taller than R and shorter than P

17. (C) When the minute hand points at 6, it is 30 minutes after the hour because each number on the clock is 5 minutes.

18. (D) Eighty eight

19. (A) $54 + 38 = 92$

20. (B) Option (A) : $3 + 4 = 7$

Option (B) : $2 + 6 = 8$

Option (C) : $7 + 0 = 7$

Option (D) : $4 + 1 = 5$

8 is more than 7

21. (A) $3 + 3 = 6$

 = 3

$3 +$ = 10

 = 10 − 3 = 7

 stands for 7.

22. (A) $4 + 2 + 4 = 10$

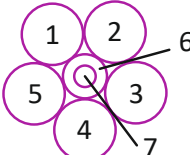There are 10 items in the box altogether.

23. (D) Working backwards

$5 + 2 = 7$

$7 + 1 = 8$

24. (C) $9 - 3 = 6$

6 children pass the test.

25. (C)

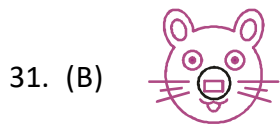26. (B) Bag is more expensive item among all.

27. (B)

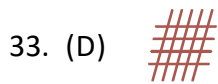28. (C) 'C' option has Rs. 60 which is higher then other options

29. (A) The bucket will hold more water as it is biggest
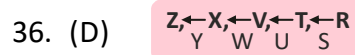
30. (A) $16 - 5 - 3 = 8$

REASONING

31. (B)

32. (C) Option (A) : 8 + 6 = 14

Option (B) : 7 + 7 = 14

Option (C) : 8 + 7 = 15

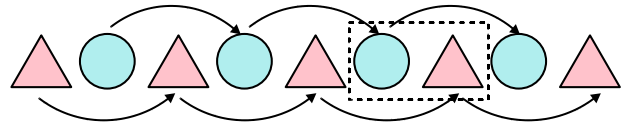Option (D) : 5 + 9 = 14

Option (C) is different from other options.

33. (D)

34. (B)

35. (A) Banana belongs to the given group.

36. (D) Z,←X,←V,←T,←R
       Y   W   U   S

37. (A) Cow gives milk ; hen give eggs.

38. (A)

39. (B) is different from others.

40. (B) The given figure is hidden in option (B).

═══ *The End* ═══