ORANGE GLOBAL OLYMPIAD

School Level Examination

SET: I

GRADE 7

REASONING & APTITUDE

Subject Code: 7 0 1

MODEL TEST PAPER

Total Questions: 40 **Time:** 1 hour

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

- All questions are compulsory.
- Read the instructions on the **ANSWER SHEET** and fill in your **NAME**, **CLASS** and **OTHER INFORMATION**.
- To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use an **HB PENCIL** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **40 MULTIPLE CHOICE QUESTIONS**.
  Use the information provided to choose the **BEST** answer among the four possible options. On your **ANSWER SHEET** fill in the circle that matches your answer.
- Marks are **NOT** deducted for incorrect answers.
- Return the **ANSWER SHEET** to the invigilator at the end of the examination.
- You are **NOT** allowed to use a calculator.
  You may use a ruler and spare paper for rough work.

This question paper contains a total of 40 questions divided into three sections – A, B and C.

Section A (Logical Reasoning)

1. Find the option that would replace the question mark '?' to continue the following series:

   T2, R5, P8, N11, ?

   (A) L14 (B) L12

   (C) K13 (D) K14

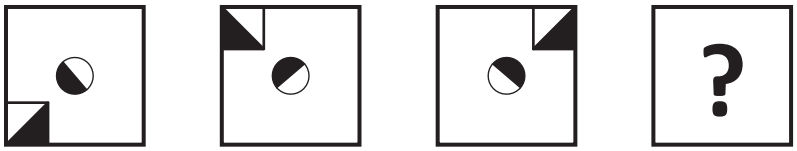
2. Find the option that would replace the question mark to establish the analogy:

   18624 : 12468 :: 48623 : ?

   (A) 86432 (B) 24368

   (C) 43268 (D) 23468

3. Find the image that would replace the question mark '?' to continue the following series:



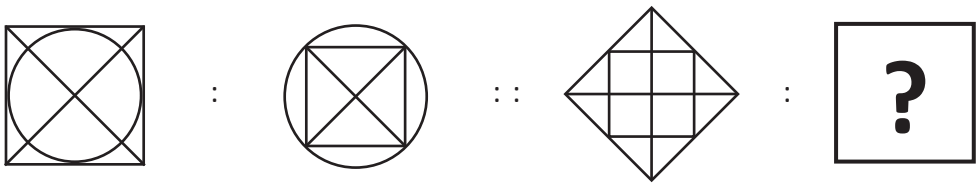
(A)

(B)

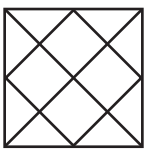
(C)

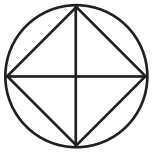
(D)

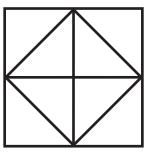
4. Find the option that would replace the question mark to establish the analogy:



(A)

(B) 

(C) 

(D) 

5. Find the odd one out.

(A)

X	Q	A
V	Y	M
E	W	O

(B)

X	O	A
W	E	Y
M	V	Q

(C)

V	O	L
M	X	Y
W	A	Q

(D)

V	Q	Y
A	W	X
E	M	O

6. In a certain code language, CREAM is coded as NBXZL, and DAIRY is coded as KZHBF. What will be the code for the word ACADEMY in the same language?

(A) ZNZKXLF (B) ZNZXKLF

(C) ZNZKFLX (D) ZBZKXLF

7. In a row of 31 students, when Dhiraj was shifted by nine places towards the left, he became 12th from the left end. What was his earlier position from the right end of the row?

(A) 12th (B) 10th

(C) 11th (D) 9th

8. In a certain code, EARTH is coded as % $ # & @ and LAKE is written as = $ © %. How will ATHLETE be written in that code?

(A) $ & @ = © & © (B) $ & @ = % & %

(C) $ & = @ % & % (D) & $ @ = % & %

9. Arjun is heavier than Anuj who is lighter than Ankit. Arjun is heavier than Ankit but lighter than Abhay. Who among them is the lightest?

(A) Abhay (B) Arjun

(C) Ankit (D) Anuj

10. Find the odd one out.

(A) Arrogance (B) Honest

(C) Confident (D) Intelligent

11. A is the father-in-law of D. A has only two sons. C, who is married to D, has no sisters. B is married to A, and B has no daughters. Then how is C related to B?

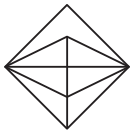
(A) Daughter in law (B) Daughter

(C) Son (D) Nephew

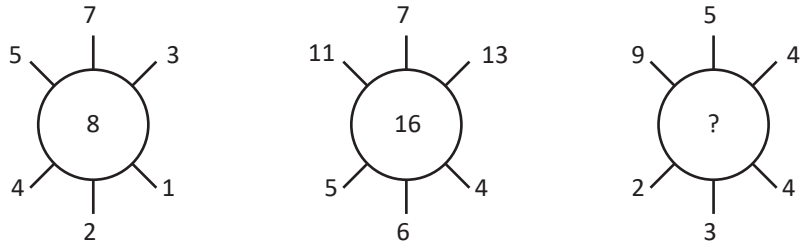
12. Count the number of triangles in the given figure:

(A) 16 (B) 15

(C) 14 (D) 13



13. Find the missing number.



(A) 8 (B) 9

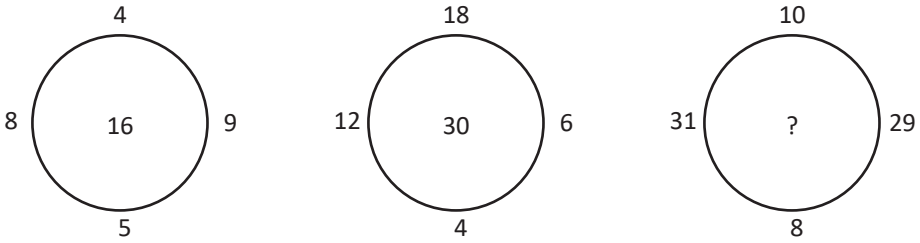
(C) 10 (D) 12

14. Grace's husband is the son of the person who is the father of Sarah. How is Grace related to Sarah?

(A) Sister-in-law (B) Sister

(C) Cousin (D) Daughter-in-law

15. Find the missing number.



(A) 56 (B) 58

(C) 68 (D) 62

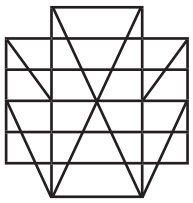
16. Count the number of straight lines in the given figure:

(A) 17

(B) 18

(C) 19

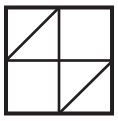
(D) 21



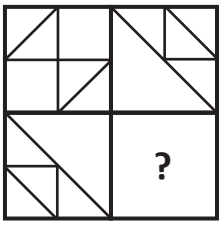
17. Select the option which would replace the question mark (?) to complete the pattern.

(A)

(B)

(C) 

(D)

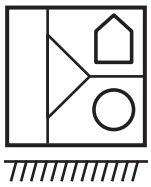


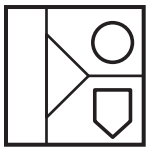
18. Jimmy went 15 km North of his house. After this, he turned to the West and walked a distance of 10 km. Then, he turned towards the South and walked 5 km. Finally, he turned towards the East and walked 10 km. In which direction is he now from his house?

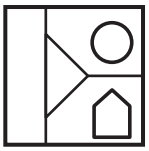
(A) East (B) West

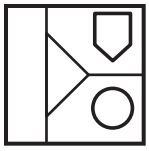
(C) North (D) South

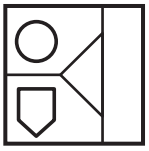
19. Select the correct water image of the given figure:



(A) 

(B) 

(C) 

(D) 

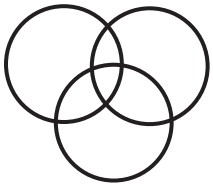
20. Study the given series: **Q M P 6 3 * $ A 4 L N @ Z 5 # V U 7 E 8 B % T Y X G 2 I & 9 Z**

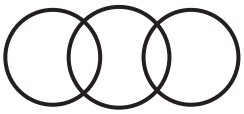
Which of the following is the third to the left of the fifteenth from the left end?

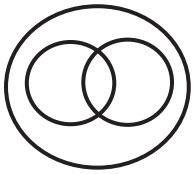
(A) @ (B) 5

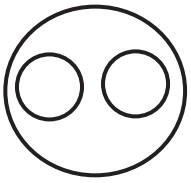
(C) 7 (D) U

21. Which of the following Venn diagrams best represents the relationship amongst 'Athletes, Human beings, Men'?

(A) 

(B) 

(C) 

(D) 

22. A person is facing towards the North-East. He turns 180° clockwise and then 45° anticlockwise. Finally, he turns 135° clockwise. Now, the person is facing in which direction?

(A) North-East (B) South-West

(C) North-West (D) South-East

23. How many such consonants are there in the following series that are immediately followed by an odd number?

Y T O P 7 % K 2 $ D G T 5 & A H ^ + L 1 7 @

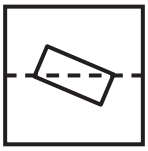
(A) 2 (B) 3

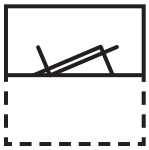
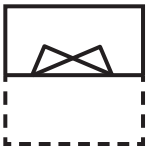
(C) 4 (D) 1

24. Select the correct mirror image of the given figure.

(A)
(B)
(C)
(D)

25. Select the option which shows the correct pattern formed when the sheet in the figure is folded along the dotted line:



(A)
(B)
(C) 
(D) 

26. Select the option which fits exactly in the figure to form a complete square.

(A)
(B)
(C)
(D)

Section B (Quantitative Aptitude)

27. If @ stands for +, # stands for –, $ stands for ×, & stands for ÷, then 12 $ 6 @ 36 & 4 # 10 = ?

(A) 81
(B) 91
(C) 216
(D) 71

28. If – means division, × means subtraction, ÷ means addition, and + means multiplication, then which of the following equations is correct?

(A) 8 ÷ 4 + 6 – 2 × 3 = 10
(B) 8 + 4 ÷ 6 – 2 × 3 = 5
(C) 8 – 4 ÷ 6 × 2 + 3 = 2
(D) 8 × 4 – 6 ÷ 2 + 3 = 27

29. Select the correct combination of mathematical signs to replace Y sequentially and balance the following equation. 87 Y 29 Y 12 Y 9 Y 4

(A) ÷, ×, =, –
(B) ×, =, –, ÷
(C) ×, ÷, +, =
(D) ÷, ×, =, ×

30. One day, Ravi left from home and cycled 10 km south. He turned right and cycled 5 km and again turned right and cycled 10 km and now turned left and cycled 10 km. Minimum, how many kilometres will he have to cycle to reach his home?

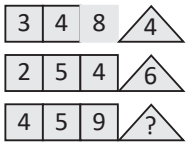
(A) 10 km
(B) 15 km
(C) 20 km
(D) 25 km

31. Which two signs should be interchanged in the following equation to make it correct?

36 – 72 + 9 ÷ 15 × 3 = 73

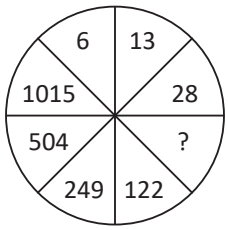
(A) + and –
(B) ÷ and ×
(C) – and ÷
(D) + and ÷

32. Identify the pattern and find out the missing character.



(A) 8
(B) 9
(C) 10
(D) 11

33. Find the missing number.



(A) 46
(B) 48
(C) 59
(D) 68

Section C (Competency Enhancement)

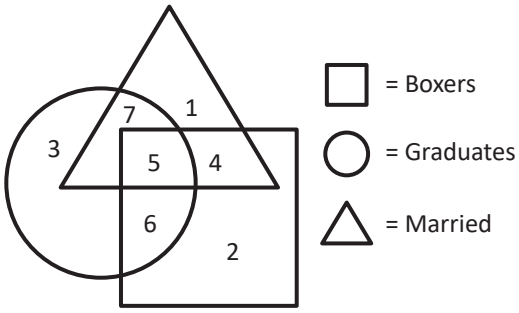
34. Study the given arrangement:

U C A B B R C D E Z F E I B U C A F E C B B A C A O B N U V W M K C V D

If all the vowels are removed from the given series, then which of the following letters will be exactly between the fourth letter from left end and fifth letter from right end?

(A) C
(B) F
(C) B
(D) A

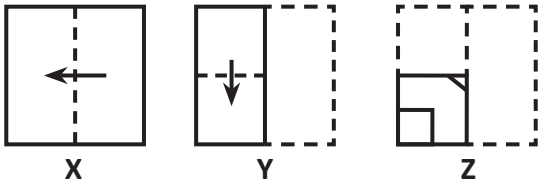
Directions (35–36): Following questions are based on the figure given alongside. Observe the figure and answer the questions.

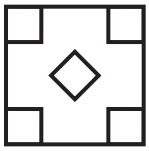
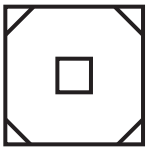
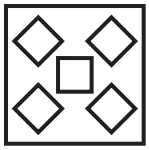
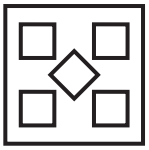


35. Which of the following groups is represented by number 7?
    (A) Graduates who are married
    (B) Married boxers
    (C) Unmarried boxers
    (D) Graduate boxers

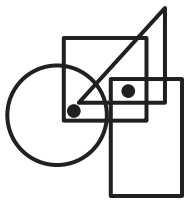
36. Which region represents the boxers who are unmarried?
    (A) 6 (B) 5
    (C) 5 + 6 (D) 6 + 2

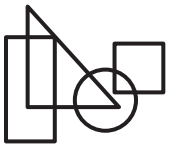
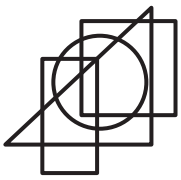
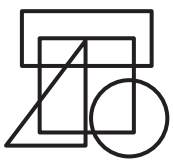
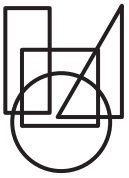
37. A sheet of paper is folded and punched as shown in figures X, Y and Z. Select the option which correctly shows the pattern when the sheet is unfolded:



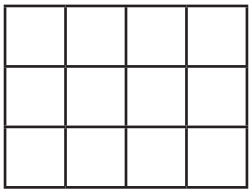
(A) 
(B) 
(C) 
(D) 

38. Select the option which provides the same conditions where the dot can be placed as it is placed in the given figure.



(A) 
(B) 
(C) 
(D) 

39. Count the number of squares in the following figure:



(A) 18 (B) 19

(C) 20 (D) 21

40. Find the missing character.

?	D	C
B	G	W
T	O	O

(A) A (B) B

(C) E (D) U