



SAMPLE PAPER

◆ International Olympiad Foundation ◆



EXCELLENCE IN EDUCATION
International Olympiad Foundation

14+ OLYMPIADS	MCQ FORMAT	0 NEGATIVE MARKS
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OLYMPIAD

Reasoning & Aptitude Olympiad

International Olympiad Foundation (IOF) · www.iof.education

CLASS / GRADE

Class 6

SUBJECT

IFRAO

DURATION

60 Min

MAX MARKS

50

GENERAL INSTRUCTIONS

- All questions are Multiple Choice Questions (MCQs) with options A, B, C, D, E
- Each correct answer carries 1 mark. No negative marking for wrong answers.
- Rough work should be done separately. Do not write on question paper.

PAPER HIGHLIGHTS

- **Multiple Choice Questions (MCQ)**
Five options per question (A, B, C, D, E). Select the single most appropriate answer.
- **No Negative Marking**
1 mark per correct answer. Zero deductions — attempt every question.
- **Conducted by IOF**
International Olympiad Foundation — fostering excellence among students across India.

SUBJECTS

- Cyber English Entrepreneurship Mathematics Commerce Economics GK & Current Affairs Science Western Music
Sanskrit Indian Music Hindi Reasoning & Aptitude Spell Talent

◆ ALL IOF OLYMPIAD PROGRAMMES ◆

IFCO International Foundation Cyber Olympiad	IFEO International Foundation English Olympiad	IFEnO International Foundation Entrepreneurship Olympiad	IFMO International Foundation Mathematics Olympiad	ICS Institute of Company Secretaries of India Commerce Olympiad	IFeCO International Foundation Economics Olympiad	IFGCO International Foundation General Knowledge & Current Affairs Olympiad
IFSO International Foundation Science Olympiad	IFWMuO International Foundation Western Music Olympiad	IFSaO International Foundation Sanskrit Olympiad	IFIMuO International Foundation Indian Music Olympiad	IFHO International Foundation Hindi Olympiad	IFRAO International Foundation Reasoning & Aptitude Olympiad	IFSTO International Foundation Spell Talent Olympiad

Q1. Which pair completes the second pair in the same way as the first pair?

[+1]
[-0]

RQP : ONM :: KJI : ?

- A. GHP
- B. HGF
- C. HFG
- D. FGH
- E. None of these

Q2. Which word completes the second pair in the same way as the first pair?

[+1]
[-0]

Oxygen : Burn :: Carbon dioxide : ?

- A. Isolate
- B. Foam
- C. Extinguish
- D. Explode
- E. None of these

Q3. Choose the correct option.

[+1]
[-0]

Tobacco is related to Nerves in the same way as Alcohol is related to ___?___.

- A. Liquor
- B. Liver
- C. Head
- D. Intoxication
- E. None of these

Q4. Choose the correct options to continue the series.

[+1]
[-0]

YBI, XDH, WFG, VHF, ? , ?

- A. USA , UPA
- B. UAE, UPS
- C. UJE, TLD
- D. TJD, UAE
- E. None of these

Q5. Choose the odd one out.

[+1]
[-0]

CDWX , EFVW , MNOP , IJRQ

- A. CDWX
- B. EFVW
- C. MNOP
- D. IJRQ
- E. None of these

Q6. If HEALTH is coded as GDZKSG, then code for NORTH is

[+1]
[-0]

- A. OPSUI
- B. FRPLM
- C. FRPML
- D. MNQSG
- E. None of these

Q7. Choose the odd one out.(From the given options)

[+1]
[-0]

- A. Flood
- B. Hurricane
- C. Avalanche
- D. Earthquake
- E. Explosion

Q8- Read the given information and then answer the question.

[+1]
[-0]

9.

- (i) Kailash, Govind and Harinder are intelligent.
- (ii) Kailash, Rajesh and Jitendra are hardworking.
- (iii) Rajesh, Harinder and Jitendra are honest.
- (iv) Kailash, Govind and Jitendra are ambitious .

Q8: Which of the following persons is neither hard-working nor ambitious? [+1] [-0]

- A. Kailash
- B. Govind
- C. Harinder
- D. Rajesh
- E. None of these

Q9: Which of the following persons is neither honest nor hard working but is ambitious? [+1] [-0]

- A. Kailash
- B. Govind
- C. Harinder
- D. Rajesh
- E. None of these

Q10. Choose the correct combination to form a meaningful word.

[+1]
[-0]

N A E H L D
1 2 3 4 5 6

- A. 2,6,4,3,5,1
- B. 4,2,1,6,5,3
- C. 4,3,6,5,2,1
- D. 2,1,6,4,3,5
- E. None of these

- Q11.** If the English alphabets are written in the reverse order, which letter will be twelfth to the left of the sixteenth letter from your left? [+1]
[-0]
- A. D
 - B. V
 - C. W
 - D. X
 - E. None of these
- Q12.** A man walks 1km towards East and then he turns to South and walks 5km. Again he turns to East and walks 2km after this he turns to North and walks 9km. Now, which direction he is facing from his starting point? [+1]
[-0]
- A. South-West
 - B. North-East
 - C. South-East
 - D. North-West
 - E. None of these
- Q13.** Seema is the daughter of Radhika. Mohan is the brother of Radhika. Kirti is the wife of Mohan. How is Kirti related to Seema? [+1]
[-0]
- A. Sister
 - B. Aunt
 - C. Mother
 - D. Grandmother
 - E. None of these
- Q14.** Arrange the following words in a logical and meaningful order. [+1]
[-0]
1. Weekly 2. Daily 3. Monthly 4. Fortnightly 5. Bimonthly
- A. 1-4-3-2-5
 - B. 5-1-2-3-4
 - C. 4-1-2-3-5
 - D. 2-1-4-3-5
 - E. None of these
- Q15.** A tired worker slept at 6:45pm. If he rose at 12noon, for how many hours did he sleep? [+1]
[-0]
- A. 17h 15min
 - B. 5h 15min
 - C. 12h
 - D. 6h 45 min
 - E. None of these
- Q16.** If today is Friday , after Friday what day will be there after 63 days ? [+1]
[-0]
- A. Monday
 - B. Friday
 - C. Sunday
 - D. Saturday
 - E. None of these

Q17. In the given letter series, some of the letters are missing which are given in that order as one of the options below it. Select the correct choice.

[+1]
[-0]

pq _ _ qrp _ r _ q _

- A. p r r p q
- B. r p q p r
- C. p q q r p
- D. p q r p q
- E. None of these

Q18. Arrange the given words as in dictionary and select the one that comes first.

[+1]
[-0]

Foliage , Foment , Foreign , Foetus , Foster

- A. Foliage
- B. Foment
- C. Foreign
- D. Foetus
- E. Foster

Q19. Identify the letter to be moved from the first word to the second word, making two new words.

[+1]
[-0]

TOOLS LOW

- A. T
- B. L
- C. O
- D. S
- E. None of these

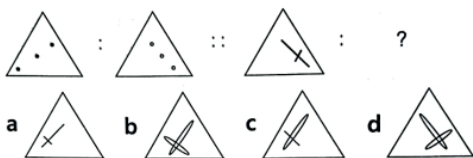
Q20. How many pairs of letters are there in the word 'CARROT' which have as many letters between them in the word as in the alphabets.

[+1]
[-0]

- A. 1
- B. 2
- C. 3
- D. 4
- E. None of these

Q21. Which figure completes the second pair in the same way as the first pair?

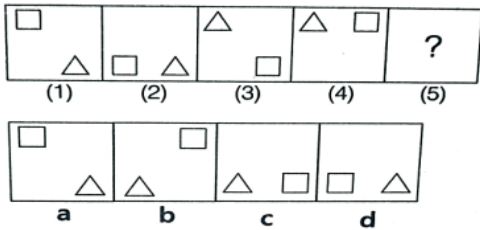
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q22. Choose the correct option to continue the series.

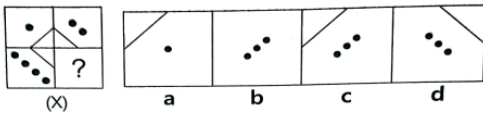
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q23. Choose the correct option to complete the pattern.

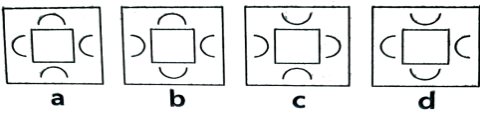
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q24. Choose the odd one out.

[+1]
[-0]

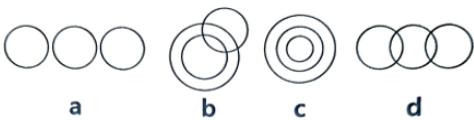


- A. a
- B. b
- C. c
- D. d
- E. None of these

Q25. Which of the following diagrams indicates the best relation amongst?

[+1]
[-0]

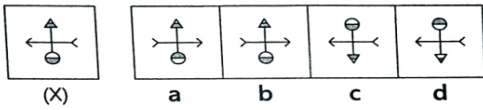
Mustard, Barley, Potato



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q26. Choose the correct mirror image of the fig(X) when the mirror is placed vertically on the right side of the figure.

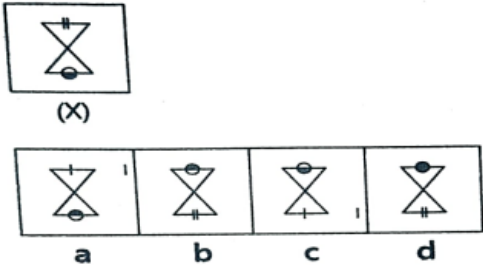
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q27. Choose the correct water image of the figure (X) .

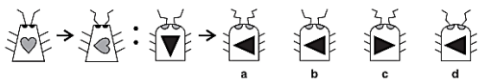
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q28. Which figure completes the second pair in the same way as the first pair?

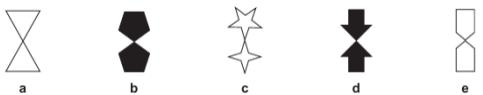
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q29. Choose the odd one out.

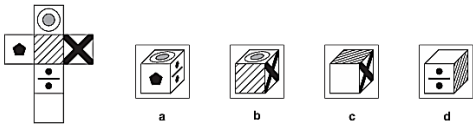
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. e

Q30. Find which cube can be made from the given net.

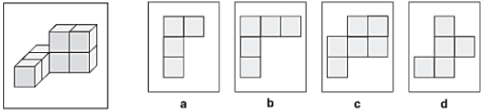
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q31. Choose the option which is 2D view of the figure on the left from the top.

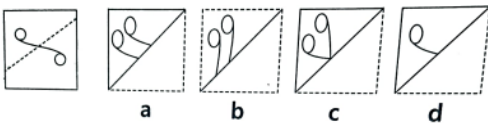
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q32. From amongst the four answer figures, choose the one which resembles the transparent sheet after folding it along a dotted line.

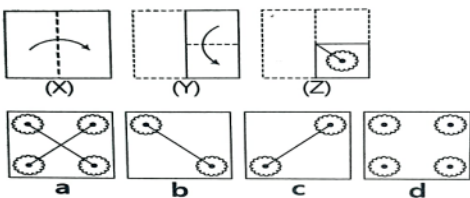
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q33. A piece of paper is folded as shown in the figure and then cut. Choose the correct option from the answer figure which appears the same when unfolded.

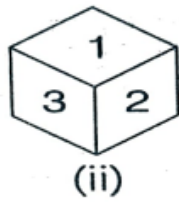
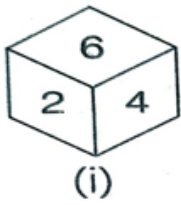
[+1]
[-0]



- A. a
- B. b
- C. c
- D. d
- E. None of these

Q34. A dice is thrown two times and its different positions are shown below. What number is opposite to 2 ?

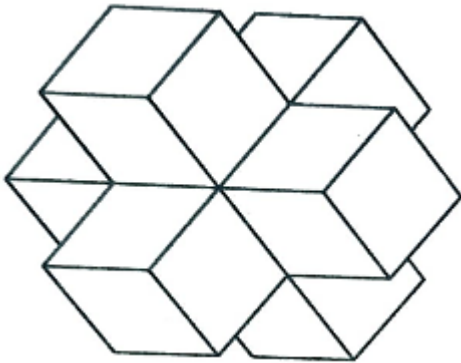
[+1]
[-0]



- A. 6
- B. 3
- C. 4
- D. 5
- E. None of these

Q35. Count the number of cubes in the given figure.

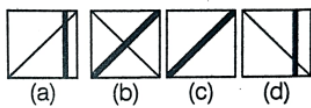
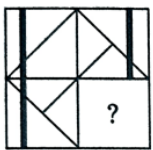
[+1]
[-0]



- A. 10
- B. 7
- C. 8
- D. 9
- E. None of these

Q36. Choose the correct option which completes the given figure.

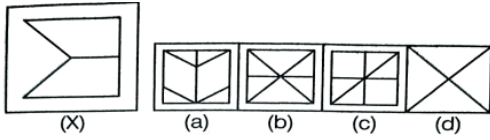
[+1]
[-0]



- A. (a)
- B. (b)
- C. (c)
- D. (d)
- E. None of these

Q37. Choose the correct option in which the given fig(X) is embedded.

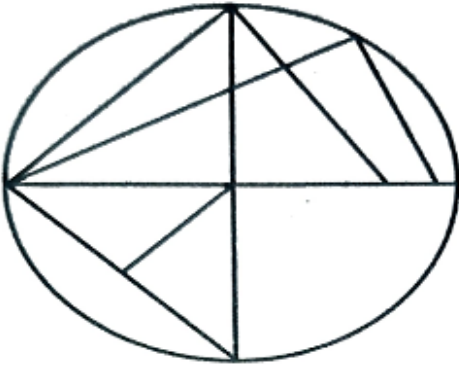
[+1]
[-0]



- A. (a)
- B. (b)
- C. (c)
- D. (d)
- E. None of these

Q38. Count the number of triangles in the given figure.

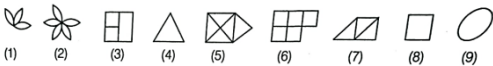
[+1]
[-0]



- A. 8
- B. 9
- C. 10
- D. 11
- E. None of these

Q39. Group the given figures into three classes using each figure only once.

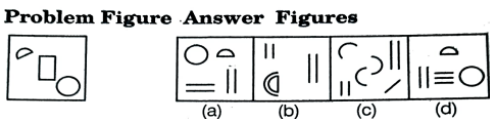
[+1]
[-0]



- A. (1,2,3); (4,8,9); (5,7,6)
- B. (4,5,7); (3,1,2); (6,8,9)
- C. (1,3,7); (4,8,9); (2,5,6)
- D. (3,5,6); (8,7,4); (9,1,2)
- E. None of these

Q40. Choose the correct option whose parts can be combined to form the problem figure.

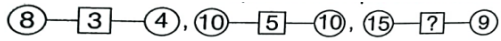
[+1]
[-0]



- A. (a)
- B. (b)
- C. (c)
- D. (d)
- E. None of these

Q41. Which number will replace the question mark?

[+1]
[-0]



- A. 4
- B. 6
- C. 8
- D. 42
- E. None of these

Q42. Choose the correct option to continue the series.

[+1]
[-0]

7 , 11 , 17 , 25 , 35 , ___?___

- A. 45
- B. 47
- C. 49
- D. 51
- E. None of these

Q43. If 'x' means '+', '+' means 'x', '-' means '+' and '+-' means 'x', then what is the value of given equation.

[+1]
[-0]

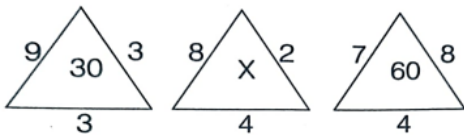
$$125 \times 25 + 20 - 80 = ?$$

- A. 90
- B. 180
- C. 200
- D. 20
- E. None of these

Q44. Choose the correct option.

[+1]
[-0]

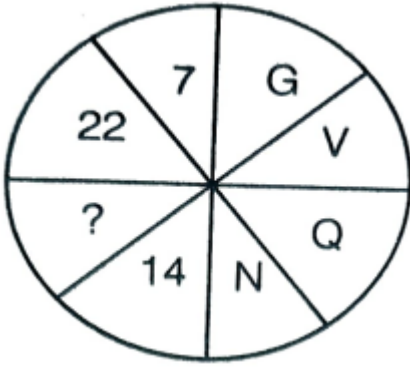
The value of $(X^2 - 1)$ is



- A. 195
- B. 399
- C. 999
- D. 933
- E. None of these

Q45. Which number will replace the question mark?

[+1]
[-0]



- A. 12
- B. 17
- C. 14
- D. 15
- E. None of these

Q46. Which number will replace the question mark?

[+1]
[-0]

41	53
73	?

- A. 51
- B. 57
- C. 93
- D. 67
- E. None of these

Q47. Which number will replace the question mark?

[+1]
[-0]

5	6	1
?	4	8
7	2	3

- A. 2
- B. 0
- C. 1
- D. 3
- E. None of these

Q48. Which number will replace the question mark?

[+1]
[-0]

4	$\frac{2}{5}$	$\frac{18}{5}$
7	$\frac{5}{3}$	$\frac{16}{3}$
3	?	$\frac{25}{9}$

A. $\frac{29}{9}$

B. $\frac{7}{9}$

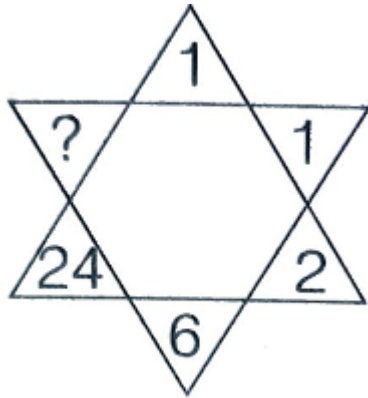
C. $\frac{20}{9}$

D. $\frac{2}{9}$

E. None of these

Q49. Which number will replace the question mark?

[+1]
[-0]



A. 72

B. 120

C. 100

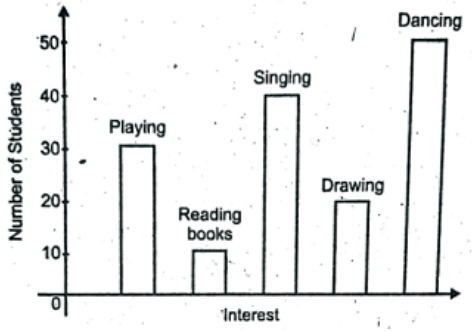
D. 96

E. None of these

Q50. The bar chart given below shows the interest of student in certain classes.

[+1]
[-0]

Interest of students less than 50 and more than 30 is in _____ .



- A. Singing
- B. Playing
- C. Drawing
- D. Dancing
- E. None of these

CLASS / GRADE
Class 6SUBJECT
IFRAOTOTAL QUESTIONS
50MAX MARKS
50**ANSWER SHEET — 50 QUESTIONS**

Q NO.	ANSWER	Q NO.	ANSWER	Q NO.	ANSWER	Q NO.	ANSWER	Q NO.	ANSWER
Q01	B	Q11	C	Q21	B	Q31	B	Q41	B
Q02	C	Q12	B	Q22	A	Q32	C	Q42	B
Q03	B	Q13	B	Q23	C	Q33	A	Q43	B
Q04	C	Q14	D	Q24	C	Q34	D	Q44	B
Q05	A	Q15	A	Q25	A	Q35	B	Q45	B
Q06	D	Q16	B	Q26	B	Q36	A	Q46	D
Q07	E	Q17	B	Q27	B	Q37	B	Q47	B
Q08	C	Q18	D	Q28	A	Q38	D	Q48	D
Q09	B	Q19	D	Q29	C	Q39	C	Q49	B
Q10	B	Q20	A	Q30	B	Q40	C	Q50	A

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