



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 7

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. Choose one letter that can be moved from the word on the left to the word on the right, making two new words. Letters cannot be rearranged but can fit anywhere in second word.

[+1]
[-0]

HAND

EVER

- A. A
- B. N
- C. D
- D. H
- E. None of these

Q2. Choose the correct option.

[+1]
[-0]

DFHJ is related to GCKG in the same way as MOQS is related to

- A. NPRU
- B. PLTP
- C. PRTV
- D. JRTP
- E. None of these

Q3. Select the lettered pair that has the same relationship as the original pair of words.

[+1]
[-0]

Hillock : Mountain

- A. Hare : Animal
- B. Ant : Elephant
- C. Bush : Forest
- D. Grass : Tree
- E. None of these

Q4. Choose the correct option to complete the series.

[+1]
[-0]

EG , ? , KM , NP, QS

- A. FH
- B. HJ
- C. IJ
- D. HI
- E. None of these

Q5. Choose the odd one out.

[+1]
[-0]

ABD , EFH , JKM , PQR

- A. ABD
- B. EFH
- C. JKM
- D. PQR
- E. None of these

- Q6.** If 'DUBAI' is coded as 'GWECL', then what is the code of 'CHINA' in the same language? [+1]
[-0]
- A. DIJOB
 - B. ANIHC
 - C. FJLPD
 - D. BGHMZ
 - E. None of these

- Q7.** In a certain code language, 'sky is blue' means 'lib nib kib', 'blue colour' means 'kib tib' and 'colour is fun' means 'tib nib rib'. Which of the following means colour in that code language? [+1]
[-0]
- A. rib
 - B. nib
 - C. tib
 - D. kib
 - E. None of these

Q8- Read the information and answer the question.

- 9.** P, Q, R, S, T, V and W are sitting in a line facing the East. R is immediate right of S. Q is at one of the extreme ends and has T as his neighbour. W is between T and V. S is sitting third from the South end. [+1]
[-0]

Q8: Who is sitting to the right of T ? [+1] [-0]

- A. P
- B. R
- C. W
- D. V
- E. None of these

Q9: Which of the following pairs of people are sitting at the extreme ends ? [+1] [-0]

- A. P and Q
- B. R and T
- C. R and Q
- D. V and Q
- E. None of these

- Q10.** A ship is sailing towards South-East. The captain ordered to turn the ship by angle of 135° in anti-clockwise direction and then 225° in clockwise direction. In which direction is it sailing now? [+1]
[-0]
- A. North -West
 - B. South
 - C. South-West
 - D. East
 - E. None of these

- Q11.** In Mr. Sharma's family, there are one grandfather, one grandmother, two fathers, two mothers, one father-in-law, one mother-in-law, four children, three grandchildren, one brother, two sister, two sons, two daughters and one daughter-in-law. How many members are there in Mr. Sharma's family? [+1]
[-0]
- A. 17
B. 23
C. 25
D. 7
E. None of these
- Q12.** Arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence. [+1]
[-0]
1. Livestock 2. Litter 3. Literary 4. Little 5. Livelihood
- A. 2, 3, 5, 4, 1
B. 3, 2, 4, 5, 1
C. 3, 2, 5, 4, 1
D. 3, 2, 1, 4, 5
E. None of these
- Q13.** How many pairs of letters in the word ' BRIGHTER' have as many letters between them in the word as in the alphabets ? [+1]
[-0]
- A. 1
B. 2
C. 3
D. 4
E. More than 4
- Q14.** If the alphabets are arranged in reverse order, which letter will be the eighth letter to the left of the seventh letter counting from the right end? [+1]
[-0]
- A. N
B. O
C. P
D. Q
E. None of these
- Q15.** Ravi is sixth from the left end and Vijay is tenth from the right end in a row of boys. If there are 8 boys between Ravi and Vijay, how many boys are there in the row? [+1]
[-0]
- A. 23
B. 24
C. 25
D. 26
E. None of these
- Q16.** If 1st October is Sunday, then 1st November will be [+1]
[-0]
- A. Monday
B. Tuesday
C. Wednesday
D. Thursday
E. None of these

Q17. Which would be the proper order of the following (in ascending order)?

[+1]
[-0]

1. Trillion 2. Thousand 3. Billion 4. Hundred 5. Million

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

Q18. A group of three interrelated words is given. Choose a word from the given alternatives that belongs to the same group.

[+1]
[-0]

Marble : Slate : Gneiss

- A. Limestone
- B. Quartzite
- C. Coal
- D. Sandstone
- E. None of these

Q19. Choose the odd one out.

[+1]
[-0]

- A. Nun
- B. Knight
- C. Monk
- D. Priest
- E. Padre

Q20. In the given letter series, some of the letters are missing which are given in that order as one of the options. Choose the correct option.

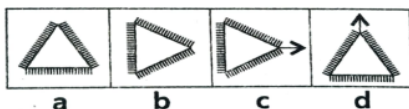
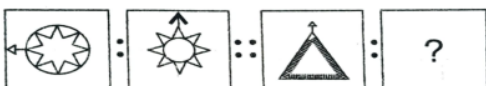
[+1]
[-0]

a _ aab _ _ baaba _ _ a

- A. bbaab
- B. baaab
- C. bbaaa
- D. baabb
- E. None of these

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

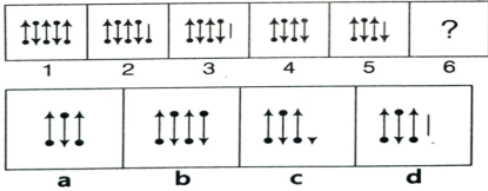
[+1]
[-0]



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

Q22. Choose the correct option to continue the series.

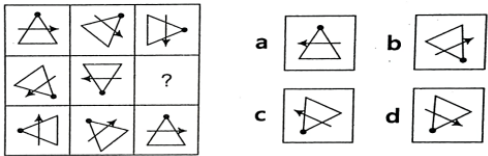
[+1]
[-0]



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

Q23. Choose the correct option that will complete the given figure matrix.

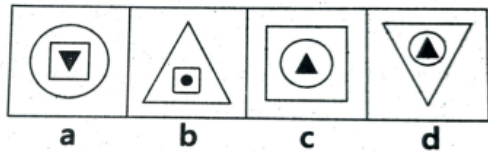
[+1]
[-0]



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

Q24. Choose the figure which is different from others.

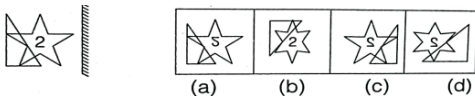
[+1]
[-0]



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

Q25. Choose the correct mirror image of the given figure.

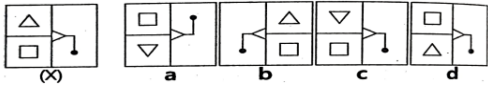
[+1]
[-0]



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

Q26. Choose the correct water image of the given figure(X).

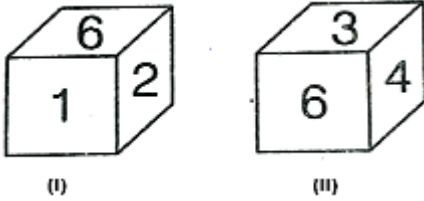
[+1]
[-0]



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

Q27. Two positions of a dice are shown below. When the number 6 will be at the bottom, then which number will be at the top?

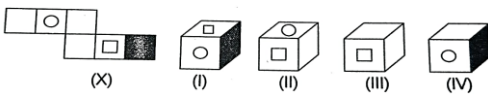
[+1]
[-0]



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

Q28. Choose the correct option that can be formed by folding the net shown in figure(X).

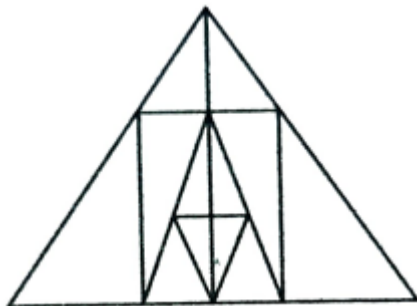
[+1]
[-0]



- A. I and II
- B. II and IV
- C. I and IV
- D. III and IV
- E. None of these

Q29. How many triangles are there in the given figure?

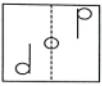
[+1]
[-0]



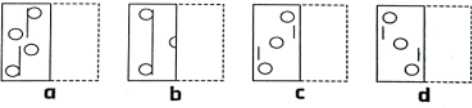
- A. 11
- B. 18
- C. 21
- D. 23
- E. None of these

Q30. From amongst the four answer figures, choose the one which resembles the transparent sheet after folding it along the dotted line.

[+1]
[-0]



Answer Sheets



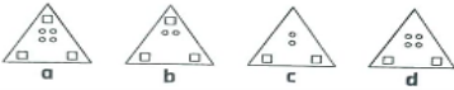
- A. a
- B. b
- C. c
- D. d
- E. None of these

Q31. A piece of paper is folded as shown in the figure and then cut. Choose the correct option from the answer figures which appears the same when paper is unfolded.

[+1]
[-0]



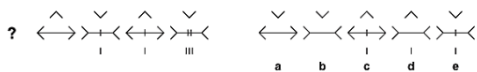
Answer Sheets



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

Q32. Choose the correct option to complete the series.

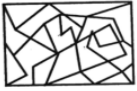
[+1]
[-0]



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

Q33. Choose the correct option which is embedded in given figure (X) .

[+1]
[-0]



(X)



(a)



(b)



(c)



(d)

A. (a)

B. (b)

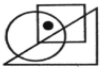
C. (c)

D. (d)

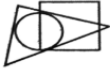
E. None of these

Q34. Choose the figure from the four option figures, which best explains characteristics given in the question fig(X).

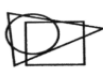
[+1]
[-0]



(X)



(a)



(b)



(c)



(d)

A. (a)

B. (b)

C. (c)

D. (d)

E. None of these

Q35. Which of the following Venn diagram correctly represents

[+1]
[-0]

Whale, Fishes, Crocodile



A. (a)

B. (b)

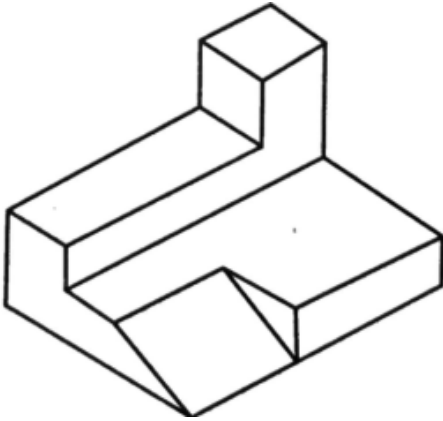
C. (c)

D. (d)

E. None of these

Q36. Find out the total number of surfaces of the object given in the problem figure.

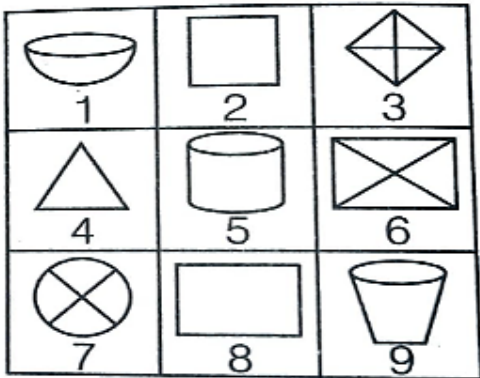
[+1]
[-0]



- A. 14
- B. 13
- C. 12
- D. 11
- E. None of these

Q37. In the given question, group the given figures into 3 classes using each figure only once.

[+1]
[-0]



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

Q38. Choose the correct mirror image when the mirror is placed vertically on the right side of the combination.

[+1]
[-0]

T20B4CZ1

a TSC7B02T
c T20B4CZ1

b TSC7B02T
d TSC7B02T

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

Q39. Choose the correct water image of the given word.

[+1]
[-0]

WATER

a WATER

b WATER

c WATER

d WATER

A. a

B. b

C. c

D. d

E. None of these

Q40. Choose the correct option from the answer figures to complete the question figure.

[+1]
[-0]

Question Figure



Answer Figures



A

B

C

D

A. A

B. B

C. C

D. D

E. None of these

Q41. In the given question, letters take place of numbers such as

[+1]
[-0]

A=1, B=2, C=3, D=4, Z=26, Answer the following equation in numbers.

$$O \div C - B + T = ?$$

A. 18

B. 15

C. 20

D. 23

E. None of these

Q42. Choose the correct option

[+1]
[-0]

35 is related to 4, in the same way as 93 is related to

A. 5

B. 6

C. 8

D. 9

E. None of these

Q43. Choose the next two terms for the given series.

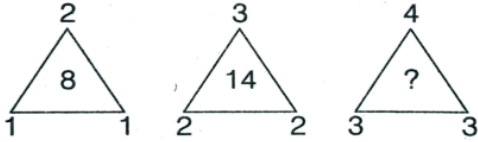
[+1]
[-0]

5, 6, 4, 7, 3, 8, 2, 9, ?, ?

- A. 10, 1
- B. 10, 2
- C. 1, 10
- D. 1, 11
- E. None of these

Q44. Find the number which replaces the question mark.

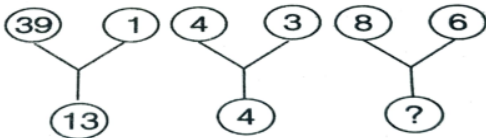
[+1]
[-0]



- A. 16
- B. 18
- C. 20
- D. 25
- E. None of these

Q45. Find the number which replaces the question mark.

[+1]
[-0]



- A. 16
- B. 32
- C. 61
- D. 14
- E. None of these

Q46. Find the number which replaces the question mark.

[+1]
[-0]

8	10	90
6	9	63
4	?	40

- A. 5
- B. 6
- C. 7
- D. 8
- E. None of these

Q47. If '+' denotes '-', '-' denotes 'x', '÷' denotes '+' and 'x' denotes '÷', then find the number which replaces the question mark?

[+1]
[-0]

$$15 - 3 + 10 \times 5 \div 5 = ?$$

- A. 5
- B. 22
- C. 48
- D. 52
- E. None of these

Q48. Find the number which replaces the question mark.

[+1]
[-0]



- A. 72
- B. 70
- C. 68
- D. 66
- E. None of these

Q49. Find the number which replaces the question mark.

[+1]
[-0]

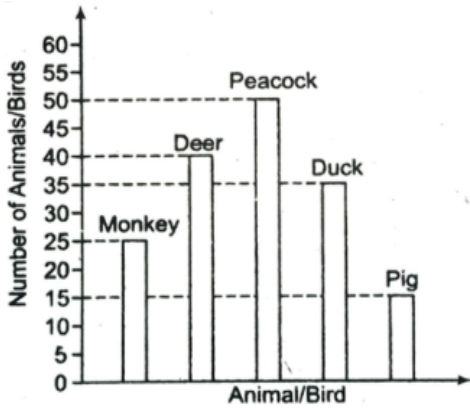
?	13	49
9	17	69
13	11	59

- A. 5
- B. 9
- C. 10
- D. 21
- E. None of these

Q50. A class visit a park and there they saw some animals and birds. They plot a graph by placing the number of animals and birds.

[+1]
[-0]

By how much the sum of number of Deer and Monkey is more than the number of Peacock?



- A. 25
- B. 15
- C. 10
- D. 5
- E. None of these

CLASS / GRADE
Class 7SUBJECT
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	D	Q21	C	Q31	D	Q41	D
Q02	B	Q12	B	Q22	D	Q32	B	Q42	B
Q03	C	Q13	C	Q23	C	Q33	A	Q43	C
Q04	B	Q14	B	Q24	D	Q34	D	Q44	C
Q05	D	Q15	B	Q25	C	Q35	C	Q45	A
Q06	C	Q16	C	Q26	A	Q36	C	Q46	D
Q07	C	Q17	D	Q27	D	Q37	C	Q47	C
Q08	C	Q18	B	Q28	D	Q38	A	Q48	B
Q09	A	Q19	B	Q29	D	Q39	D	Q49	A
Q10	C	Q20	B	Q30	B	Q40	A	Q50	B

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