



SAMPLE PAPER

International Olympiad Foundation



EXCELLENCE IN EDUCATION

International Olympiad Foundation

14+

OLYMPIADS

MCQ

FORMAT

0

NEGATIVE MARKS

OLYMPIAD

Cyber Olympiad

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

CLASS / GRADE

Class 6

SUBJECT

IFCO

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. All cats are mammals.

[+1]
[-0]

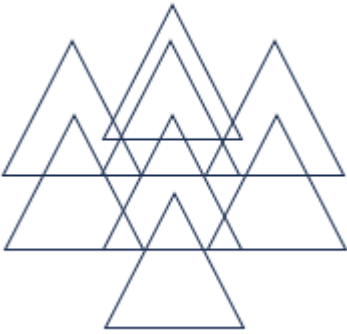
Some mammals are dogs.

Which statement is true?

- A. All cats are dogs.
- B. Some cats are dogs.
- C. Some mammals are not cats.
- D. All dogs are cats.
- E. None of the option is correct

Q2. How many Triangles are there in figure ?

[+1]
[-0]



- A. 21
- B. 20
- C. 22
- D. 26
- E. None of the option is correct

Q3. Choose the correct answer.

[+1]
[-0]

If $2 * 3 = 19$, $4 * 5 = 61$, and $6 * 7 = 127$, what is $8 * 9 = ?$

- A. 217
- B. 145
- C. 165
- D. 225
- E. None of the option is correct

Q4. Pick the odd one out.

[+1]
[-0]

Fir , Nail , Tail , Trunk , Feather

- A. Fir
- B. Nail
- C. Tail
- D. Trunk
- E. Feather

Q5. What number should come next in the series?

[+1]
[-0]

1, 5, 14, 30, 55, __?__

- A. 80
- B. 91
- C. 100
- D. 44
- E. None of the option is correct

Q6. Here are some words translated from an artificial language.

[+1]
[-0]

dranel means "snowfall"

elvix means "fall color"

dranwisp means "snowstorm"

Which word could mean "color storm"?

- A. wispel
- B. vixwisp
- C. dravix
- D. elwisp
- E. None of the option is correct

Q7. In a family, P is Q's brother, R is Q's mother, and S is P's father. T is married to S. Who is T to P?

[+1]
[-0]

- A. Sister
- B. Mother
- C. Wife
- D. Daughter
- E. None of the option is correct

Q8. Choose the correct option to continue the series.

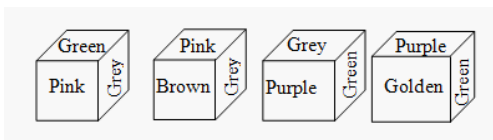
[+1]
[-0]

Apple, Banana, Cherry, Date, Eggplant, ?

- A. Fig
- B. Grape
- C. Fruit
- D. Honey
- E. None of the option is correct

Q9. Refer to the following four positions of the dice and find out the color which is opposite to the face grey?

[+1]
[-0]



- A. Purple
- B. Golden
- C. Green
- D. Brown
- E. None of the option is correct

Q10. Laxman went 15 Kms to North then he turned West and covered 10 Kms . Then he turned South and covered 5 kms . Finally turning to East, he covered 10 Kms . In which direction is he moving now ?

[+1]
[-0]

- A. East
- B. West
- C. North
- D. South
- E. None of the option is correct

Q11. In question, find the missing number from the given responses.

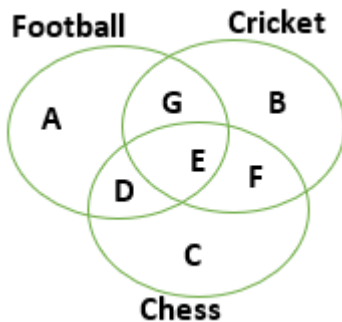
[+1]
[-0]

2	3	6
3	4	5
5	9	?
21	48	65

- A. 12
- B. 8
- C. 7
- D. 4
- E. None of the option is correct

Q12. Study the diagram and identify the people who can play football but not cricket.

[+1]
[-0]



- A. G+E
- B. A+B+C
- C. D+E+F
- D. A+D
- E. None of the option is correct

Q13. In a certain code language, OPERATION is written as NODQBUJPO. How is INVISIBLE written in that code?

[+1]
[-0]

- A. JOWJTJCMF
- B. JOWJTHAKD
- C. HMUHTJCMF
- D. HMUHTHAKD
- E. None of the option is correct

- Q14.** If 2 days before yesterday was Saturday, and today is not Sunday, what day will it be 4 days after tomorrow? [+1]
[-0]
- A. Thursday
 - B. Friday
 - C. Saturday
 - D. Sunday
 - E. None of the options is correct
- Q15.** Three friends, A, B, and C have different ages. A is older than B, and B is older than C. If the sum of their ages is 60 and the difference between A's and C's ages is 10, what is B's age? [+1]
[-0]
- A. 18
 - B. 20
 - C. 22
 - D. 24
 - E. None of the option is correct
- Q16.** What is the purpose of a firewall? [+1]
[-0]
- A. To store files
 - B. To protect a computer from unauthorized access
 - C. To increase processing speed
 - D. To provide Easy Access to system
 - E. None of the option is correct
- Q17.** Which of the following is a correct statement about the iPad Air 2? [+1]
[-0]
- A. It uses Android as its operating system.
 - B. It comes with built-in apps like FaceTime.
 - C. It has a default storage capacity of 1 TB.
 - D. It is primarily a gaming console.
 - E. None of the option is correct
- Q18.** What is the primary difference between a drum plotter and a flatbed plotter? [+1]
[-0]
- A. Drum plotters are smaller in size.
 - B. Drum plotters move the paper, while flatbed plotters do not.
 - C. Flatbed plotters move the paper, while drum plotters do not.
 - D. Flatbed plotters are less accurate.
 - E. None of the option is correct
- Q19.** Which of the following is a key feature of a personal cloud? [+1]
[-0]
- A. It allows access to content from any device.
 - B. It requires a physical storage device.
 - C. It is limited to one platform.
 - D. It is only used for gaming.
 - E. None of the option is Correct

Q20. Which of the following is a correct match for a biometric authentication method?

[+1]
[-0]

Biometric Method	Characteristic
P. Iris Recognition	i. Scans retina patterns
Q. Facial Recognition	ii. Analyses facial features
R. DNA Recognition	iii. Identifies DNA sequences

- A. P- i, Q - ii, R - iii
- B. P- ii, Q - i, R - iii
- C. P- iii, Q - ii, R - i
- D. P- i, Q - iii, R - ii
- E. None of the option is Correct

Q21. What is the role of the Google Play Store?

[+1]
[-0]

- A. To provide cloud storage
- B. To distribute apps for Android devices
- C. To stream videos
- D. To create websites
- E. None of the option is Correct

Q22. What is the main purpose of a botnet?

[+1]
[-0]

- A. To enhance computer performance
- B. To store large amounts of data
- C. To create social media posts
- D. To perform unauthorized activities like sending spam
- E. None of the option is Correct

Q23. Which of the following correctly describes the function of a web crawler?

[+1]
[-0]

- A. It searches the web for specific keywords and indexes web pages.
- B. It creates websites.
- C. It protects websites from viruses.
- D. It compresses web data.
- E. None of the option is Correct

Q24. What does Ctrl + M do in PowerPoint?

[+1]
[-0]

- A. Insert slide
- B. Duplicate slide
- C. Merge shapes
- D. Start slideshow
- E. None of the option is Correct

- Q25.** Which of the following is an example of a 4GL programming language? [+1]
[-0]
- A. C++
 - B. SQL
 - C. Assembly Language
 - D. Machine Language.
 - E. None of the option is correct
- Q26.** Which of the following is NOT a feature of Microsoft Office 365? [+1]
[-0]
- A. Cloud-based collaboration
 - B. Email services
 - C. Video game streaming
 - D. File storage
 - E. None of the option is correct
- Q27.** What is the purpose of a CAPTCHA on a website? [+1]
[-0]
- A. To store user data
 - B. To verify that a user is not a bot
 - C. To compress files
 - D. To increase internet speed
 - E. None of the option is correct
- Q28.** How do you convert text to a table? [+1]
[-0]
- A. Insert → Table → Convert Text
 - B. Home → Paragraph → Convert
 - C. Insert → Table → Quick Tables
 - D. Layout → Convert to Table
 - E. None of the option is correct
- Q29.** Which of the following is NOT a cloud storage service? [+1]
[-0]
- A. OneDrive
 - B. Dropbox
 - C. Google Wallet
 - D. Google Drive
 - E. None of the option is correct
- Q30.** Which of the following scenarios best demonstrates the use of a hybrid computer? [+1]
[-0]
- A. Editing a document in Microsoft Word
 - B. Simulating a car's engine performance in real-time
 - C. Browsing the internet on a smartphone
 - D. Playing a video game on a console
 - E. None of the option is correct

- Q31.** A user is accessing their email account on a public computer and wants to prevent unauthorized access to their account after logging out. Which technology or practice should they use? [+1]
[-0]
- A. Clearing browser cache and cookies
 - B. Using a web crawler
 - C. Saving the website as a bookmark
 - D. Enabling pop-up ads
 - E. None of the option is correct
- Q32.** A company employee is working remotely from a public Wi-Fi network at a café and needs to access sensitive company data. Which technology should they use to ensure their connection is secure? [+1]
[-0]
- A. Cloud storage service
 - B. Virtual Private Network (VPN)
 - C. Web content management system
 - D. File compression tool
 - E. None of the option is correct
- Q33.** A hospital system is implementing a new IT solution to manage patient records and billing for thousands of daily visits. Which of the following activities would NOT typically rely on a mainframe computer? [+1]
[-0]
- A. Aggregating patient billing data for insurance claims
 - B. Storing and retrieving electronic health records securely
 - C. Designing interactive patient education apps
 - D. Processing real-time insurance verification requests
 - E. None of the option is correct
- Q34.** What is the primary difference between DRAM and SRAM? [+1]
[-0]
- A. DRAM is non-volatile, while SRAM is volatile.
 - B. DRAM is more expensive than SRAM.
 - C. SRAM is used for permanent storage.
 - D. SRAM is faster and does not need refreshing.
 - E. None of the option is correct
- Q35.** Which of the following is a correct sequence for setting up a secure email account? [+1]
[-0]
- (i) Enable two-factor authentication,
 - (ii) Create a strong password,
 - (iii) Log out after use,
 - (iv) Verify email address
- A. iv, ii, i, iii
 - B. i, ii, iii, iv
 - C. ii, i, iv, iii
 - D. iii, i, ii, iv
 - E. None of the option is correct

- Q36.** What is the primary function of a kiosk in a shopping mall? [+1]
[-0]
- A. To provide high-speed internet
 - B. To offer information or services
 - C. To store customer data
 - D. To play video games
 - E. None of the option is correct
- Q37.** Which type of computer is most likely to use EBCDIC coding? [+1]
[-0]
- A. Mainframe Computer
 - B. Microcomputer
 - C. Supercomputer
 - D. Hybrid Computer
 - E. None of the option is correct
- Q38.** Which of the following is NOT a function of utility software? [+1]
[-0]
- A. Virus scanning
 - B. File compression
 - C. Word processing
 - D. Disk management
 - E. None of the option is correct
- Q39.** A student uses an app that suggests study tips based on their past quiz scores. Which technology trend is most likely powering this app's ability to make personalized suggestions? [+1]
[-0]
- A. Machine Learning (ML)
 - B. Robotics
 - C. Quantum Technology
 - D. Cyber Security
 - E. None of the option is correct
- Q40.** A museum uses an app that lets visitors point their phones at exhibits to see virtual animations of historical events. This is an example of which IT trend ? [+1]
[-0]
- A. Augmented Reality (AR)
 - B. File sharing
 - C. Optical storage
 - D. Web browsing
 - E. None of the option is correct
- Q41.** A smart home system allows a student to control lights and appliances using a smartphone app. Which technology trend is powering this system? [+1]
[-0]
- A. Internet of Things (IoT)
 - B. Cloud storage
 - C. Biometric scanning
 - D. Video editing
 - E. None of the option is correct

- Q42.** A student wants to prevent cyberbullying while using online gaming platforms. Which strategy is most likely to reduce the risk of cyberbullying? [+1]
[-0]
- A. Sharing personal information like their address in public chats
 - B. Using a neutral username and avoiding sharing personal details.
 - C. Responding to rude players with insults to defend themselves.
 - D. Accepting friend requests from unknown players immediately.
 - E. None of the option is correct
- Q43.** A student wants to organize their favourite apps on the Windows 11 Start menu for quick access. They notice a new scrollable layout with a 'Pinned' section. Which action best allows them to customize this section? [+1]
[-0]
- A. Right-click the Taskbar and select 'Taskbar settings.'
 - B. Go to File Explorer and drag files to the Desktop.
 - C. Click the Search bar and type the app's name.
 - D. Open the Start menu, right-click an app, and select 'Pin to Start.'
 - E. None of the option is correct
- Q44.** A student needs to quickly open File Explorer to access their school project folder on Windows 11. Which keyboard shortcut should they use? [+1]
[-0]
- A. Win + I
 - B. Win + E
 - C. Win + L
 - D. Win + R
 - E. None of the option is correct
- Q45.** During a group project, a student wants to allow classmates to suggest edits in an MS Word document without changing the original text. Which feature should they apply? [+1]
[-0]
- A. Review > Track Changes
 - B. Home > Styles
 - C. Insert > Comments
 - D. File > Save As
- A. A
 - B. B
 - C. C
 - D. D
 - E. None of the option is correct
- Q46.** A student notices their computer is slow when opening multiple apps. To improve performance, they should consider the upgrading of which device ? [+1]
[-0]
- A. Monitor
 - B. Random Access Memory (RAM)
 - C. Hard Drive
 - D. DVD Drive
 - E. None of the option is correct

- Q47.** A student accidentally closes a tab in their web browser while working on a science assignment. How can they quickly reopen the closed tab? [+1]
[-0]
- A. Press Ctrl + Shift + T
 - B. Open a new tab and search again
 - C. Go to Settings and reset the browser
 - D. Click the back arrow button
 - E. None of the option is correct
- Q48.** A student notices their Windows 11 computer is running slowly and wants to check which programs are using the most memory. Which utility should they use? [+1]
[-0]
- A. Control Panel
 - B. Task Manager
 - C. File Explorer
 - D. Settings > Personalization
 - E. None of the option is correct
- Q49.** Sohan is preparing a PowerPoint presentation and wants to make all slides use the same background design. Which feature should he evaluate to achieve this? [+1]
[-0]
- A. Insert > Pictures
 - B. Design > Themes > Transitions
 - C. Transitions > Effect Options
 - D. Home > Font Color
- A. A
 - B. B
 - C. C
 - D. D
 - E. None of the option is correct
- Q50.** What does "Cascade Windows" do? [+1]
[-0]
- A. Stacks windows diagonally
 - B. Tiles windows
 - C. Minimizes all
 - D. Closes duplicates
 - E. None of the option is correct



CLASS / GRADE
Class 6

SUBJECT
IFCO

TOTAL QUESTIONS
50

MAX MARKS
50

ANSWER SHEET — 50 QUESTIONS

Q01-Q10	ANSWER	Q11-Q20	ANSWER	Q21-Q30	ANSWER	Q31-Q40	ANSWER	Q41-Q50	ANSWER
Q01	C	Q11	C	Q21	B	Q31	A	Q41	A
Q02	B	Q12	D	Q22	D	Q32	B	Q42	B
Q03	A	Q13	C	Q23	A	Q33	C	Q43	D
Q04	A	Q14	D	Q24	A	Q34	D	Q44	B
Q05	B	Q15	B	Q25	B	Q35	C	Q45	A
Q06	B	Q16	B	Q26	C	Q36	B	Q46	B
Q07	B	Q17	B	Q27	B	Q37	A	Q47	A
Q08	A	Q18	B	Q28	A	Q38	C	Q48	B
Q09	B	Q19	A	Q29	C	Q39	A	Q49	B
Q10	A	Q20	A	Q30	B	Q40	A	Q50	A

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