

FREE PRACTICE PACK · EDITION 1

Class 7 Computer Science Olympiad practice

16 original questions + explained answers

For students preparing for SOF ICSO.

Inside this pack

Eight topic-practice questions and an eight-question, 20-minute mini-mock.

Topics selected for practice

- MS Excel
- Networks and cyber safety
- HTML and CSS
- Scratch and algorithms
- Word and PowerPoint

How to use it

Try the practice first. Complete the mini-mock in one sitting. Check the explanations, mark mistakes, and retry them the next day.

This pack covers selected topics. It is original BodhiScore material, independent of SOF, and is not an official paper or a full-length exam. Check the official syllabus for the complete scope.

Topic practice

Work through these eight questions without a timer. Explain your choice before checking the solutions.

1. MS Excel

Which formula finds the average of numbers in A1 to A5?

- | | |
|-------------------------|---------------------------|
| A. =TOTAL(A1:A5) | B. =AVERAGE(A1:A5) |
| C. =MEAN(A1-A5) | D. =AVERAGE(A1-A5) |
-

2. MS Excel

To arrange student names from A to Z in Excel, which command is appropriate?

- | | |
|--------------------------|---------------------------------|
| A. Merge cells | B. Freeze panes |
| C. Sort ascending | D. Filter by colour only |
-

3. MS Excel

What does a filter do in a worksheet?

- | | |
|--|---|
| A. Deletes every row except one | B. Changes all values to formulas |
| C. Locks the workbook permanently | D. Shows only rows meeting chosen conditions |
-

Topic practice (continued)

4. MS Excel

Cell E4 contains =B4*C4. Which references are used?

- | | |
|---------------------------------|-------------------------------|
| A. Relative references | B. Absolute references |
| C. Mixed references only | D. Named ranges |
-

5. Networks and cyber safety

What is the main purpose of a URL?

- | | |
|---|---|
| A. To give the address of an online resource | B. To increase a screen's brightness |
| C. To compress a spreadsheet | D. To replace a password |
-

6. Networks and cyber safety

A class uses one computer to share a printer with others. This is an example of a

- | | |
|---------------------|-------------------------------|
| A. Flowchart | B. Spreadsheet formula |
| C. Network | D. Slide show |
-

7. Networks and cyber safety

Which password is strongest?

- | | |
|--------------------|---------------------|
| A. 12345678 | B. R7!mQ2#v |
| C. password | D. sanjay123 |
-

Topic practice (continued)

8. Networks and cyber safety

What should you do before installing an unfamiliar app from a link?

- | | |
|---|--|
| A. Disable all security software | B. Enter your password on the page |
| C. Share the link publicly | D. Check with a trusted adult or source |
-

Timed mini-mock

Set a 20-minute timer for these eight questions. Score 1 point per correct answer; there is no penalty for an incorrect answer. This is BodhiScore's practice scoring.

9. HTML and CSS

Which tag creates a horizontal line in an HTML page?

- A. `<br>`
 - B. `<li>`
 - C. `<center>`
 - D. `<hr>`
-

10. HTML and CSS

Which HTML tag creates a list item?

- A. `<p>`
 - B. `<li>`
 - C. `<ul>`
 - D. `<ol>`
-

11. HTML and CSS

Which CSS property changes the background colour of a page element?

- A. `text-align`
 - B. `border-collapse`
 - C. `background-color`
 - D. `font-size`
-

Timed mini-mock (continued)

12. Scratch and algorithms

A program gives the wrong answer because one instruction is incorrect. What is the best first step?

- | | |
|--------------------------------------|---|
| A. Delete the whole project | B. Add random blocks |
| C. Publish it without testing | D. Trace the instructions and locate the error |
-

13. Scratch and algorithms

Which Scratch block is used to make a choice based on a condition?

- | | |
|----------------------|---------------------|
| A. if then | B. repeat 10 |
| C. play sound | D. say Hello |
-

14. Word and PowerPoint

What does Mail Merge help create?

- | | |
|---|-----------------------------------|
| A. Many personalised letters from one template | B. A single animated slide |
| C. A new computer network | D. A password manager |
-

Timed mini-mock (continued)

15. Word and PowerPoint

Which PowerPoint feature lets a presenter jump to a particular slide by clicking an object?

- A. Spell check
 - B. Cell reference
 - C. Hyperlink or action
 - D. Page break
-

16. Scratch and algorithms

A robot follows this rule: if it sees a black line, turn left; otherwise move forward. What concept is this?

- A. Printing
 - B. Decision making
 - C. Storage compression
 - D. Text formatting
-

Answers and explanations

Check why the answer works, then retry any question you missed.

1. B - =AVERAGE(A1:A5)

AVERAGE calculates the arithmetic mean of the values in the specified range.

2. C - Sort ascending

Sorting ascending arranges text alphabetically from A to Z.

3. D - Shows only rows meeting chosen conditions

A filter temporarily hides rows that do not meet the selected condition.

4. A - Relative references

References without dollar signs, such as B4 and C4, are relative references.

5. A - To give the address of an online resource

A Uniform Resource Locator identifies the location of a page or other resource on the web.

6. C - Network

A network allows connected computers and devices to share resources such as a printer.

7. B - R7!mQ2#v

A long password with unrelated letters, numbers and symbols is harder to guess.

8. D - Check with a trusted adult or source

Check that an app and its source are trustworthy before downloading or installing it.

Answers and explanations (continued)

9. D - `<hr>`

The `<hr>` tag inserts a horizontal rule; `<br>` only starts a new line.

10. B - `<li>`

Each item within an ordered or unordered list is marked with `<li>`.

11. C - `background-color`

The `background-color` property controls an element's background colour.

12. D - Trace the instructions and locate the error

Tracing a program step by step helps identify the incorrect instruction for debugging.

13. A - if then

The if then block runs its enclosed instructions only when its condition is true.

14. A - Many personalised letters from one template

Mail Merge combines a main document with a data list to create personalised copies.

15. C - Hyperlink or action

Hyperlinks and actions can link an object to another slide during a presentation.

16. B - Decision making

The robot selects between actions according to a condition, which is decision making.

Topic scope checked against SOF syllabus: [SOF ICSO Class 7 syllabus](#)