



Grade 5



CREST Cyber Olympiad (CCO)

Sample Paper

Pattern and Marking Scheme

Grade	Topic/Section	No. of Questions	Marks per Question	Total marks
Grade 5	Computer & IT	40	1	40
	Achiever's Section	10	2	20
Grand Total		50		60

The total duration of the exam is 60 minutes.

Syllabus

Section 1: Computer & IT

1. Computer System

- Hardware and Software
- Input and Output Devices
- Primary and Secondary Memory
- Memory units; Operating system
- RAM/ROM, Solid State Drive (SSD) and Hard Disk Drive (HDD), Servers

2. MS Word

- Paragraph Formatting Using Paragraph Group
- Drop Cap
- Document Views; Inserting Graphics: Pictures and Shapes
- Clip Arts
- Symbols
- SmartArt
- Multimedia Objects
- Text Box
- Inserting Header and Footer in a Document
- Charts and Tables

3. MS PowerPoint

- Inserting Graphics: Pictures and Shapes
- Clip Arts
- Symbols
- SmartArt
- Multimedia Objects
- Text Box
- Inserting Header & Footer and Exploring its Features
- Running Slideshow
- Presentation Views

4. MS Excel

- Formatting Cells
- Working with Formulas and Functions
- Managing Worksheets
- Charts and Graphs

5. Troubleshooting

- Basic Troubleshooting Steps: “Restart the device” as the first step, Checking connections (E.g., unplugged power cables or loose USBs), Simple error messages (Understanding what they mean)
- Common Issues and Solutions: Computer won’t turn on - Check power supply and cables, Frozen screen - How to close an unresponsive application, Keyboard or mouse not working - Plugging them in correctly),

6. Concept of Authentication

- Authentication and its Types
- Authentication in Daily Life
- User, Accounts and Profiles

7. Cyber Security and Safety

- Malwares - Virus, Worms, Trojan, Spyware
- Basic security concepts - Phishing, Identity Theft, Cyber Stalking, Cyberbullying, Flaming

8. Network and Communication

- Types of computer networks: PAN, LAN, MAN, WAN
- Domain and Servers; Wireless connections: Wi-Fi, Bluetooth, Cellular technologies (4G–5G), NFC (Near-Field Communication)
- ISP (Jio, Airtel, Vodafone Idea (Vi), and BSNL)
- Email and Creating an Account

9. Task Manager

- Processes
- Performance
- App History
- Startup Apps
- Users

10. Latest Developments in the Field of IT

- All in daily life: Voice assistants
- Cloud Storage (Google Drive, One Drive, Dropbox, iCloud)

Section 2: Achievers Section

Higher Order Thinking Questions - Syllabus as per Section 1.

Questions are based on Windows 11 and MS Office 2016.

For more details, visit <https://www.crestolympiads.com/cyber-olympiad-cco>

Computer & IT (Each Question is 1 Mark)

1. Fill in the blank:

In MS Powerpoint, Ctrl + K is a shortcut key used to _____.

- a. end a presentation
- b. insert a hyperlink
- c. return back to the first slide
- d. close MS Powerpoint

2. Fill in the blank:

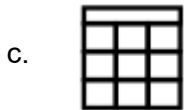
Connection or link to other documents or Web pages that contain related information is called _____.

- a. dial-up
- b. electronic commerce
- c. hyperlink
- d. e-cash

3. Which of the following is a collection of information that determines which files you can access and which settings you use?

- a. Network
- b. User Account
- c. Operating System
- d. File System

4. Which of the following are the phone series made by Apple Inc?



5. MS Word is a text or document editing application program that comes in the package of MS Office Suite. Which among the given options is not related to MS Word?

- a. Page Layout
- b. Antivirus
- c. Mailings
- d. Smart Art

6. In PowerPoint, the Header and Footer buttons can be found on the Insert tab in which group?

- a. Illustrations group
- b. Object group
- c. Links group
- d. Text group

7. Fill in the blank:

The WWW is made up of the set of interconnected _____ that are linked together over the Internet.

- a. E-documents
- b. Web pages
- c. Files
- d. Hyperlinks

8. Which of the following terms is the most closely related to main memory?
- a. Non-volatile
 - b. Permanent
 - c. Control unit
 - d. Temporary
9. Which of the following options best describe the purpose of using 'Drop Cap' in MS Word?
- a. Makes the first letter of the first word at beginning of paragraph in large capital letter
 - b. Makes the first letter of word at beginning of sentence in capital letter
 - c. Makes the first letter of each word in capital letter
 - d. Drop all capital letters from a paragraph
10. Videos and music on a computer can be played on which of the following software?
- a. Microsoft Office
 - b. Corel Draw X4
 - c. Media Player
 - d. Norton Anti Virus
11. What is the name given to the Client Program (software) that is used to look at various kinds of Internet resources?
- a. Address Book
 - b. Provider
 - c. Browser
 - d. Protocol
12. Which of the following options cannot be used to close a window?
- a. Press Alt + F4
 - b. Open file tab and click Exit
 - c. Click X on the upper right corner of the window
 - d. Click on the Tab button
13. Which of the following type of components is available in a dual-core version?
- a. RAM
 - b. CPU
 - c. SSD
 - d. PCI Card
14. What file extension do most Windows programs have?
- a. .zip
 - b. .bas
 - c. .exe
 - d. .cpp
15. Fill in the blanks:
- i. _____ software is used to create full motion video, animation, sound, etc.
 - ii. _____ software is used for the production of any sort of printable material.
- a. (i) Graphics
 - b. (i) Multimedia
 - (ii) Multimedia
 - (ii) Word Processor
 - c. (i) Presentation
 - d. (i) Word Processing
 - (ii) Utility
 - (ii) Graphics

16. What is the default font size of a new Word document based on normal template?

- a. 10pt
- b. 11pt
- c. 12pt
- d. 8pt

17. Which view displays the slides only with the button at the bottom in MS PowerPoint?

- a. Play slide show
- b. Reading View
- c. Slide Sorter View
- d. Normal View

18. Which of the following unit of measurement was used to describe dial-up modem speeds?

- a. Kbps
- b. Gbps
- c. KHz
- d. GHz

19. Fill in the blank:

The tools which help us to find information on the internet is called _____.

- a. find engine
- b. search engine
- c. search pot
- d. find station

20. Which of the following is a group of conducting wires or lines over which electrical signals corresponding to data and instructions are transmitted?

- a. Path
- b. System
- c. Bus
- d. Stock

21. What is the shortcut key to insert Endnote in MS Word?

- a. Alt + Ctrl + D
- b. Alt + Ctrl + E
- c. Ctrl + D
- d. Ctrl + E

22. Fill in the blank:

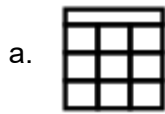
The process of loading Operating system files from Hard Disk into the Main Memory is called _____.

- a. Copying
- b. Booting
- c. Installing
- d. Uploading

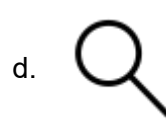
23. What happens if you try to store a 2 GB file on a 1.44 MB floppy disk?

- a. It will store partially.
- b. It will ask to split the file.
- c. It will give an error.
- d. It will compress the file.

24. Chloe is making a chart and wants to add something that shows the exact numbers used in the chart. What should she insert?



25. Lucas wants to compare two sets of data side-by-side visually. Which tool should he use?



26. Noah wants to multiply cells A2 and B2. Which formula is correct?

- a. =A2*B2
c. =A2xB2

- b. =MULTIPLY(A2,B2)
d. =A2+B2

27. Why might someone rename a worksheet in Excel?

- a. To sort data alphabetically.
c. To format numbers consistently.
- b. To link formulas between files.
d. To organise data clearly by purpose.

28. A student presses the power button but nothing happens on the computer. What should be checked first?

- a. Keyboard settings
c. Mouse speed
- b. Printer ink level
d. Power supply and cables

29. Your mouse works on one port but not another. What does this suggest?

- a. Mouse is broken
c. Mouse driver is not updated
- b. USB port might be faulty
d. The keyboard interferes

30. What can happen if you forget to log out on a public computer?

- a. Someone might read your files.
- b. Your password becomes stronger.
- c. Your screen turns blue.
- d. Your internet stops working.





31. Why should you sign in with your own account on a shared tablet?

- a. To allow others to use your account freely.
- b. To delete unnecessary files from the device.
- c. To speed up the tablet for everyone.
- d. To access your saved apps and preferences.





32. Which of these daily activities most likely involves two-factor authentication?

- a. To Print important documents
- b. Connecting to Wifi network
- c. Logging into email
- d. Pairing bluetooth device

33. Whenever Mia uses the same public Wi-Fi, her device slows down and apps crash. What type of malware might be sneaking in?

- a. 
Worm
- b. 
Virus
- c. 
Adware
- d. 
Spyware

34. Noah's photo was taken from social media and used to create a fake account. What is this an example of?

- a. 
Identity Theft
- b. 
Cyberbullying
- c. 
Cyber Stalking
- d. 
Phishing

35. Henry's classmate kept messaging him threats even after being asked to stop. He also followed him on every platform. What is this?



Identity Theft



Phishing



Cyber Stalking



Cyberbullying

36. Liam streams YouTube videos while walking in a cave where there's no network. What connection is in use?

- a. 5G
- b. Bluetooth
- c. 4G
- d. Wi-Fi

37. Ryan streams YouTube videos while walking outdoors where there's no router. What connection is in use?

- a. Bluetooth
- b. Wi-Fi
- c. 5G
- d. NFC

38. Ava opens Task Manager to check why a game is lagging. Which performance metric is most important in this case?

- a. Network
- b. Disk
- c. Battery
- d. GPU

39. Maya wants to keep her homework safe even if her laptop is lost. What should she do?

- a. Save it on her desktop
- b. Save it only on a USB
- c. Upload it to iCloud
- d. Print a copy

40. What feature enables voice assistants to suggest nearby restaurants when you ask, 'Where should I eat?'

- a. GPS integration
- b. A built-in recipe book
- c. Voice imitation software
- d. Menu card of restaurants

Achiever's Section (Each Question is 2 Marks)

41. Which of the following does not store data permanently?

- | | |
|------------------------|--------------------|
| a. Non-volatile memory | b. volatile memory |
| c. Pendrive | d. HDD |

42. Jack wants to run a PowerPoint presentation using shortcut key. Which one of the following shortcut key Jack should apply to run the presentation?

- | | |
|-------------|-------|
| a. Alt + F8 | b. F5 |
| c. F7 | d. F1 |

43. Your grandparents stay away from you. You want to make them happy. Which of the following can you do over the internet to make them happy without visiting them?

- Ordering flowers for them and getting them delivered.
- Baking cakes for them
- Sending the gifts
- Speaking with them

- | | |
|--------------------|------------------|
| a. Only III and IV | b. I, II and IV |
| c. Only II | d. I, III and IV |

44. Fill in the blank:

In a mainframe computer, numerous programs are loaded in a memory and its operating system runs those programs one by one and executes them simultaneously. This technique is called _____.

- | | |
|-------------------|--------------------|
| a. multitasking | b. multiprocessing |
| c. multithreading | d. multiuser |

45. Match the following:

	Column-I		Column-II
1.	1 Byte	a.	Secondary Memory
2.	RAM	b.	8 bits
3.	PROM	c.	Ultraviolet Light
4.	EPROM	d.	Once programmer, cannot be erased
5.	Pen Drive	e.	Volatile Memory

- | | |
|--------------------------------------|--------------------------------------|
| a. 1 – b, 2 – e, 3 – d, 4 – c, 5 – a | b. 1 – b, 2 – c, 3 – e, 4 – d, 5 – a |
| c. 1 – a, 2 – b, 3 – d, 4 – c, 5 – e | d. 1 – a, 2 – e, 3 – d, 4 – c, 5 – b |

46. Match the following:

	Column-I		Column-II
1.	Ctrl + F	a.	Replace
2.	Ctrl + H	b.	Copy
3.	Ctrl + C	c.	Bold
4.	Ctrl + B	d.	Find

a. 1 – d, 2 – a, 3 – b, 4 – c

c. 1 – d, 2 – c, 3 – a, 4 – b

b. 1 – a, 2 – b, 3 – c, 4 – d

d. 1 – a, 2 – d, 3 – b, 4 – c

47. Which document view allows Ryan to see how his Word document would look as a printed book?

a. Print Layout

b. Web Layout

c. Print Look

d. Outline

48. If Kevin changes his profile picture, which part of his user account is he using?

a. Settings→ Accounts→ Your info

b. Settings→ Accounts→ Sign-in options

c. Settings→ Accounts→ Other Users

d. Settings→ Accounts→ Email & accounts

49. Layla's laptop slows down every time she opens her browser. Ads pop up even without websites open. What caused this?



Spyware



Trojan



Worm



Adware

50. Why might a user want to use the 'Switch User' feature instead of 'Log Off'?

a. To reset the computer settings

b. To run diagnostics tools

c. To let others access

d. To shut down the PC faster

Answer Key

1.	b	2.	c	3.	b	4.	a	5.	b	6.	d	7.	b
8.	d	9.	a	10.	c	11.	c	12.	d	13.	b	14.	c
15.	b	16.	b	17.	b	18.	a	19.	b	20.	c	21.	a
22.	b	23.	c	24.	a	25.	c	26.	a	27.	d	28.	d
29.	b	30.	a	31.	d	32.	c	33.	a	34.	a	35.	c
36.	d	37.	c	38.	d	39.	c	40.	a	41.	b	42.	b
43.	d	44.	b	45.	a	46.	a	47.	a	48.	a	49.	d
50.	c												