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.
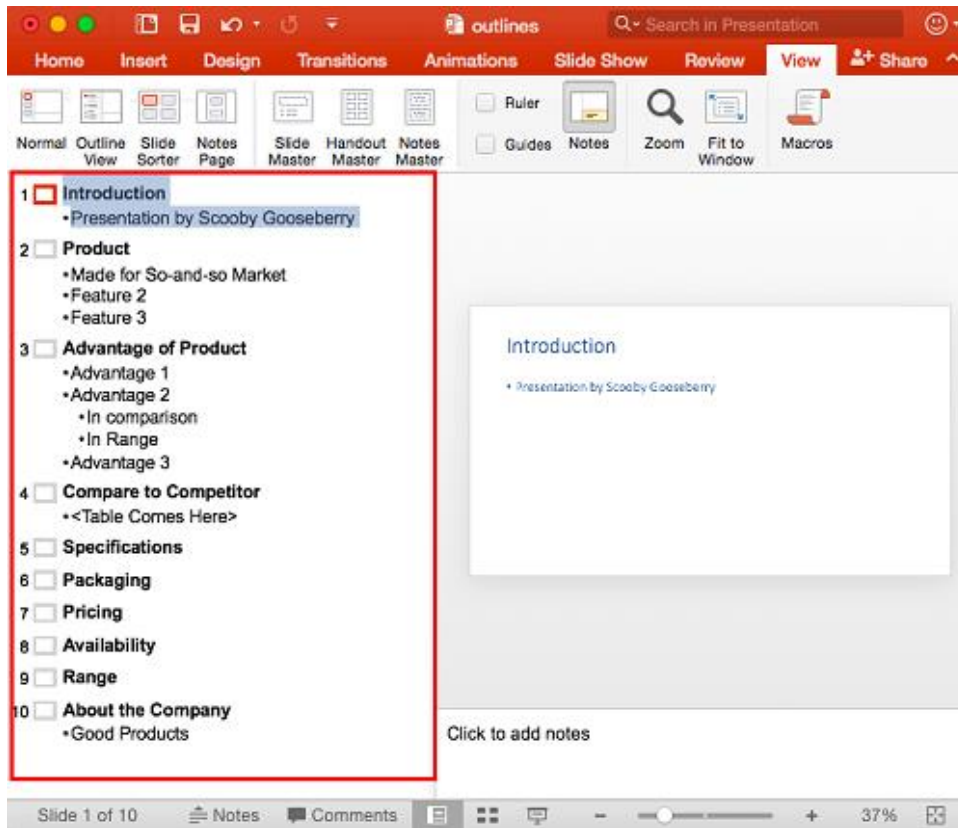
Syllabus

Section 1: Input and Output Devices, Hardware, Software, Storage Devices, Memory –Primary & Secondary Memory, MS Paint, Introduction to Multimedia, 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 and Exploring its Features), Introduction to MS PowerPoint (Component of MS PowerPoint Window and its Features, Inserting Graphics-Pictures and Shapes, Clip Arts, Symbols, SmartArt, Multimedia Objects, Text Box, Inserting Header & Footer and Exploring its Features, Running Slide Shows, Presentation Views), Internet, Computer Networks, Using Windows, Latest Developments in the Field of IT.

Achievers Section: Higher Order Thinking Questions - Syllabus as per Section 1.
Questions are based on Windows 11 and MS Office 2016.
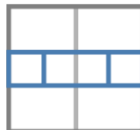
For more details, visit https://www.crestolympiads.com/cyber-olympiad-cco

1. Identify the type of MS PowerPoint View as shown in the below image:

a. Normal
b. Outline
c. Slide Sorter
d. Reading

2. On a MS PowerPoint table identify which of the functions given below is performed by the icon shown here:

a. Merge Cells
b. Output
c. Split Cells
d. Insert Cell

3. Identify the computing device shown in the figure given below:

a. Microsoft Surface Pro
b. Apple iPad
c. iPad Air
d. Google Chrome book

4. Which of the following allows users to insert a rectangular shape in a MS Word document?
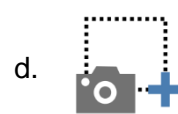
a.

b.

c.

d.

5. The image shown below is an important component of MS Word Which helps us do indentation. This is known as _____.

a. Ruler
c. Scale

b. Track Change
d. Aligner

6. Which of the following allows users to insert a picture in the MS Word document?

a.

b.

c.

d.

7. Which of the following statement is true?

a. Cache memories are bigger than RAM
c. ROM are faster than RAM

b. Cache memories are smaller than RAM
d. Information in ROM can be written by users

8. Fill in the blank:
A software program that adds functionality to your computer or help your computer perform better is called as _____.

a. Utility program
c. Specialised program

b. Function program
d. Manufacturer program

9. When you install a new program on your computer, it is typically added to which of the following menu in Windows 11?

a. All Programs
c. Start Programs

b. Select Programs
d. Desktop Programs

10. Which of the following shortcut keys is used to close current or active window?

a. Alt + F4

b. Ctrl + F4

	c.	Alt + F6		d.	Ctrl + F6

11. In MS PowerPoint, you can add any picture in your document from which menu?

	a.	Home		b.	View
	c.	Insert		d.	Format

12. Which key on the keyboard can be used to view Slide Show?

	a.	F1		b.	F2
	c.	F5		d.	F10

13. Which among the following is used for modulation and demodulation?

	a.	Modem		b.	Protocols
	c.	Gateway		d.	Multiplexer

14. In Computing, what is the full form of HTTPS?

	a.	Hyper Test Transfer Protocol Secure		b.	High Text Transfer Public Secure
	c.	Hyper Text Transition Protocol Secure		d.	Hyper Text Transfer Protocol Secure

15. Which is the following is the output device of a computer?
	a.	Plotter		b.	Pen drive
	c.	Joystick		d.	Scanner

16. Fill in the blank:
A Program that can either talk numeric that is made available in digital format for automatic download over the Internet to a personal MP3 or Digital Device is called _____.

	a.	Procast		b.	Blog
	c.	Podcast		d.	Wiki

17. 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

18. Which of the following is the combination of numbers, alphabets along with username used to get access to user account?

	a.	Password		b.	QR Code
	c.	IP address		d.	Host-Id

19. Which of the following is the communication protocol that sets the standard used by every computer that accesses Web based information?

	a.	XML		b.	DML

c. HTTP	d. HTML

20. When you connect to this service your computer is communicating with a server at your Internet Service Provider (ISP). What does this refer?

a. Modem	b. Internet
c. Computer	d. Server

21. Fill in the blank:
If you want to extend the length of the network without having the signal degrade. You would use a _____.

a. repeater	b. router
c. gateway	d. switch

22. Fill in the blank:
A(n) _____ uses pictures (called icons) and menus displayed on the screen to send commands to the computer system.

a. CUI	b. GUI
c. System Utility	d. API

23. While searching a website, you have been unable to find information that was on the site several months ago. What might you do to attempt to locate that information?

a. Visit Google's cached page to view the older copy
b. Forget about it as there is no way to find this information
c. Visit a partner site of the organization to see if it is there
d. Use the way back machine

24. Which of the following terms is the most closely related to main memory?

a. Non-volatile	b. Permanent
c. Control unit	d. Temporary

25. Fill in the blank:
In Inkjet technology the droplets of ink are deflected by _____.

a. Multi directional nozzles	b. Electronically charged plates
c. High pressure plates	d. Electro static absorption

26. Which among the following part of a computer system interprets program instructions and initiate control operations?

a. Input	b. Storage unit
c. Logic unit	d. Control unit

27. Identify the type of printer which is most commonly used for desk-top publishing?

a.

Laser printer

b.

Inkjet Printer

c.

Daisywheel Printer

d.

Dot-matrix Printer

28. What is the name given to a device that is used to bring information into a computer?

a. ALU
c. Control unit

b. Input device
d. Output device

29. Fill in the blank:
Any storage device added to a computer beyond the immediately usable main storage is referred to as _____.

a. floppy disk
c. backing store

b. hard disk
d. punched card

30. Fill in the blank:
Any set of data that must be preserved over a long period is referred to as _____ data.

a. logged
c. buffer

b. archive
d. accumulator

31. In order to compare two Word documents, Richa wants to see all the page of both documents on the single screen. Which of the following options can be useful?

a. Print Preview
c. Arrange all

b. Thumbnails
d. View Side by side

32. Fill in the blank:
It's a good practice to rehearse a presentation before presenting to the audience. One can use PowerPoint's _____ feature to advance slides while practicing the presentation.

a. animation
c. playback

b. record timings
d. rehearse timings

33. Martin has created a document in MS Word and now he wants to explain a concept at the bottom of the page. Which of the following options should he use?

    a. Select footer from the insert menu
    b. Select bookmark from the insert menu
    c. Select 'insert footnote' from the reference menu
    d. Select 'insert endnote' from the reference menu

34. What is the purpose of "Hanging indent" in MS Word?

    a. Indents the first line of sentence
    b. Indents all text except the first line
    c. Aligning texts with the body of the paragraph
    d. Indents the body of the text

35. Fill in the blank:
On clicking the File menu in MS PowerPoint, we are taken to the _____.

    a. 'Save As' Dialog box   b. 'Print' Dialog box
    c. File Dialog box   d. Backstage view

36. Which of the following is a highly popular online video streaming site?

    a. Amazon   b. GitHub
    c. Flickr   d. Youtube

37. Complete the sentence:
In order to include a page number at the bottom of every page of a document in MS Word one must _____.

    a. create a header and include a page number field in the header
    b. create a footer and include a page number field in the footer
    c. create a footer and type the page number in every page
    d. Choose window tab

38. Fill in the blank:
The "Show/Hide" command shown by the icon on standard toolbar allows users to see _____ which are otherwise not visible in the "Normal View".

    a. Header and Footer   b. Tables and Columns
    c. Clipart and Smart Arts   d. Page Breaks and Section Breaks

39. In MS Word, what is the use of the icon shown below:

    a. Grow Font and Shrink Font   b. Grow Font and Reduce Font
    c. Enlarge Font Shrink Font   d. Enlarge Font and Reduce Font

40. Which of the following is not a valid alignment option in MS PowerPoint?

a. Left
b. Right
c. Corner
d. Center

41. Identify the correct option based on the description given below:
1. A collection of data or computer instructions that tell the computer how to work.
2. A term used for a set of instructions that allow the computer to perform more than one task.
3. They are broadly categorised into two types.

a. Hardware
b. Software
c. Human ware
d. Firmware

42. Identify the correct option based on the description given below:
1. A networking device that forwards data packets between computer networks.
2. Usually perform the traffic directing functions on the Internet.
3. It can reduce network traffic by creating collision domains and also by creating broadcast domains.

a. Bridge
b. Modem
c. Router
d. WiFi

43. Identify the kind of file as per the extension given under column A.

Column I		Column II	
i.	MPG	a.	Image File
ii.	PNG	b.	MS Word Document
iii.	PPT	c.	Animation/Video File
iv.	DOC	d.	MS PowerPoint Presentation

a. (i) - (b), (ii) - (a), (iii) - (c), (iv) - (d)
b. (i) - (c), (ii) - (b), (iii) - (d), (iv) - (a)
c. (i) - (c), (ii) - (a), (iii) - (d), (iv) - (b)
d. (i) - (d), (ii) - (b), (iii) - (c), (iv) - (a)

44. Bridge, Robin, Mathew and Rachel are discussing about computer's memory. Read their statements and identify who is incorrect?
Bridge: An EPROM can be programmed, erased and reprogrammed by the user with an EPROM programming instrument.
Robin: Magnetic tape is a medium for magnetic recording, made of a thin, magnetisable coating on a long, narrow strip of plastic film and is non-volatile.
Mathew: Magnetic core and semiconductor memories are used as mass memory medium.
Rachel: RAM is a type of computer memory that can be accessed randomly.

a. Rachel
b. Robin
c. Mathew
d. Bridge

45. Identify the correct option based on the description given below:
   1. A device which performs optical character recognition and produces coded signals corresponding to the characters identified.
   2. It is an input device that uses a light beam to scan codes, text, or graphic images directly into a computer or computer system.
   3. The technology used in this device was developed by Willard Boyle and George Smith developed in 1969.
   4. It was built in 1957 at the US National Bureau of Standards by a team led by Russell A. Kirsch.

   a. OMR
   b. Punch Card Reader
   c. Optical Scanners
   d. Magnetic Tape

46. Four friends, Anthony, Vinson, Shane and John are discussing about the features of main memory of computer which is usually volatile memory. Who among them is telling an incorrect feature of a volatile memory?
   Anthony: Main memory is faster than other mass storage devices.
   Vinson: Volatile memory is more expensive than non-volatile memory devices.
   Shane: It is a type of computer memory that requires power to maintain the stored information.
   John: Main memory is widely used for secondary storage as well as mass storage.

   a. Vinson
   b. Shane
   c. Anthony
   d. John

47. Ana heard about the "Disk Cleanup" for the first time and he did not know about this accessory program. So, he asked his teacher about its use. What according to you would have been told by his teacher?

   a. It is a utility included with Microsoft Windows operating systems and is used to view the characters in any installed font, to check what keyboard input (Alt code) is used to enter those characters, and to copy characters to the clipboard in lieu of typing them.
   b. It allows you to capture portions of your screen using four methods and then save these snips as a JPG, GIF, PNG, or MHT file. The capture methods that can be used to take snips are free-form, rectangular, window, and full-screen.
   c. It is a utility built into Windows removes temporary, cache and log files created by the operating system and other programs -- never your documents, media or programs themselves.
   d. It is a utility in Microsoft Windows designed to increase access speed by rearranging files stored on a disk to occupy contiguous storage locations, a technique called defragmentation.

48. Match the following alignment related icons with their function in PowerPoint 2010:

Column I			Column II
a.		**i.**	Send to back
b.		**ii.**	Send Backward
c.		**iii.**	Bring to front
d.		**iv.**	Bring Forward

a. (a) - (iv), (b) - (i), (c) - (iii), (d) - (ii)
b. (a) - (iii), (b) - (iv), (c) - (i), (d) - (ii)
c. (a) - (iii), (b) - (i), (c) - (iv), (d) - (ii)
d. (a) - (iii), (b) - (i), (c) - (ii), (d) - (iv)

49. Who among the following best describes the term "Server"?
Atlee: It is the part of graphic design that deals in the arrangement of visual elements on a page.
Tenzim: It is the structure of the network of how all the components are interconnected to each other.
Oliver: It is an agreement between two people or groups about how something happens or will happen.
Petrick: It is a computer program or a device that provides functionality for other programs or devices.

a. Petrick
b. Atlee
c. Tenzim
d. Oliver

50. Which among the following social media applications does not have any followers and following options?

a.
b.

c.
d.

Answer Key

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