

**SOF INTERNATIONAL
COMPUTER SCIENCE OLYMPIAD
2024-25**

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

CLASS **5**
SET-B

Total Questions : 50 | Time : 1 hr.

Guidelines for the Candidate

1. You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
2. Write your **Name, School Code, Class, Section, Roll No.** and **Mobile Number** clearly on the **OMR Sheet** and do not forget to sign it. We will share your marks / result and other information related to SOF exams on your mobile number.
3. The Question Paper comprises four sections:

Logical Reasoning (10 Questions), **Computer Science** (30 Questions), **Information Technology** (5 Questions) and **Achievers Section** (5 Questions).

Each question in Achievers Section carries 3 marks, whereas all other questions carry one mark each.

4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.
5. There is only ONE correct answer. Choose only ONE option for an answer.
6. To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only. E.g.

Q.16: Which of the following is a type of printer?

A. Cathode Ray Tube B. Light Emitting Diode C. Thermal Flatbed D. Liquid Crystal Display

As the correct answer is option C, you must darken the circle corresponding to option C on the OMR Sheet.

16. (A) (B) (C) (D)

7. Rough work should be done in the blank space provided in this booklet.
8. Return the OMR Sheet to the invigilator at the end of the exam.
9. Please fill in your personal details in the space provided before attempting the paper.

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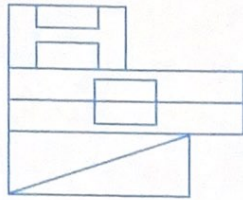
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LOGICAL REASONING

- 1 Find the number of rectangles formed in the given figure.



- A. 9
B. 10
C. 11
D. 12

- 2 Introducing Dhruv, a girl said, "He is the only son of my mother's husband." How is the girl related to Dhruv?

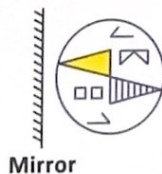
- A. Sister
B. Mother
C. Aunt
D. Daughter

- 3 Find the missing term in the given pattern.

G64, J32, ?, P8, S4, V2

- A. M12
B. N16
C. M16
D. M20

- 4 Select the CORRECT mirror image of the given figure.



- A.
- B.
- C.
- D.

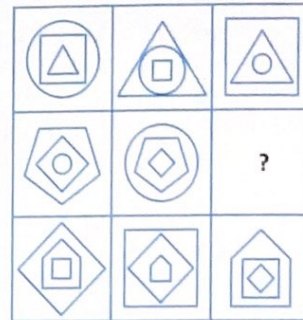
- 5 Which of the following letters will be fifth from the right end, if 1st and 2nd letters, 3rd and 4th letters and so on are interchanged respectively in the word PLATFORM?

- A. A
B. O
C. F
D. T

- 6 An athlete runs 200 m towards South. He then turns right and runs 450 m and finally turns right again and runs 200 m. How far is he now from his starting point?

- A. 550 m
B. 200 m
C. 450 m
D. 400 m

- 7 Find the missing figure in the given figure matrix.



- A.
- B.
- C.
- D.

- 8 In a certain code language, 'MEDAL' is written as 'KGBCJ'. How will 'FORUM' be written in the same code language?

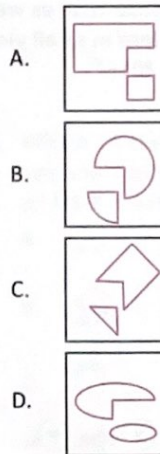
- A. DMPSK
B. DQPWK
C. HQTWO
D. HNTSO

- 9 The given clock shows the time at which the cricket match ended. If the match lasted for $3\frac{1}{2}$ hours, then at what time did the cricket match start?



- A. 11 : 00
B. 10 : 30
C. 10 : 00
D. 9 : 30

- 10 Select the odd one out.



COMPUTER SCIENCE

- 11 Which of the following types of network is depicted in the given diagram?



- A. WAN
B. CAN
C. PAN
D. MAN

- 12 Select the CORRECT match with respect to file extensions.

- A. .WAV – It is an extension that is used for sound, audio and music files.
B. .GIF – It is an extension that is used for video files.
C. .RM – It is an extension that is used only for music files.
D. .AVI – It is an extension that is used only for images.

- 13 + keyboard shortcut is used to make _____ alignment on the selected text in MS-

Word 2016.

- A.
- B.
- C.
- D.

- 14 Select the odd one out.

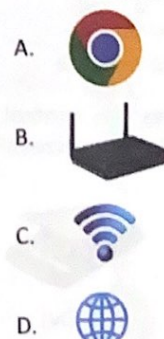


- 15 Which of the following options represents the CORRECT way to access 'Run' command in Windows 10?

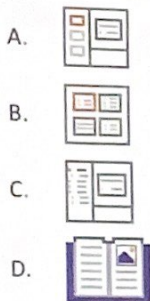
- A. Start → Windows System → Run
B. Start → Windows Security → Run
C. Start → Windows Accessories → Run
D. Start → Windows Ease of Access → Run

- 16 Identify the following device with respect to internet.

- It is a hardware device that connects to a computer, broadband network or wireless router.
- It is a device that connects your home to your internet service provider through a physical connection.



- 17 Which of the following presentation views is used to rearrange all the slides sequence-wise as well as to view all the slide representations in small view in one window in MS-PowerPoint 2016?



- 18 Identify the devices referred as (X) and (Y).

- (X) – It is similar to a mouse, with a sphere on top that is moved for navigation instead of moving the whole mouse.
- (Y) – It is a pointing device that is also known as touchpad, using which the cursor is moved by touching with fingers.

- | (X) | (Y) |
|---------------------|----------------|
| A. Trackball | Trackpad |
| B. Trackpad | Trackball |
| C. Optical mouse | Vertical mouse |
| D. Mechanical mouse | Trackpad |

- 19 Pressing + keys in MS-Paint of Windows 10 will _____.

- A. Zoom in on the current picture
- B. Zoom out on the current picture
- C. Activate Text tool
- D. Activate Color picker tool

- 20 Which of the following statements hold(s) true about the given icon with respect to MS-Paint of Windows 10?

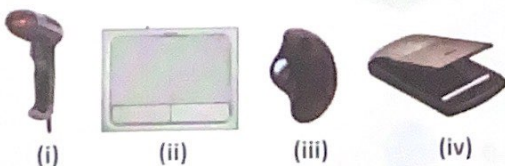


Statement 1 : It is used to view the picture in full screen.

Statement 2 : It is used to show or hide the thumbnail window.

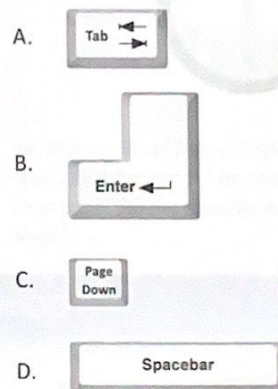
- A. Only Statement 1
- B. Only Statement 2
- C. Both Statement 1 and Statement 2
- D. Neither Statement 1 nor Statement 2

- 21 Which of the following devices can control the movement of the cursor on a computer screen?



- A. (i) only
- B. (iv) only
- C. (ii) and (iii) only
- D. (i) and (iv) only

- 22 Which of the following keys, when pressed, does NOT display the next slide in a presentation during the slide show in MS-PowerPoint 2016?



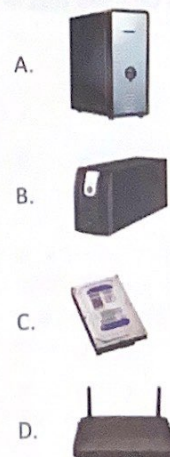
- 23 Utility software are programs designed to perform maintenance work on a computer system, so that the system can function smoothly. Which among the following is/are utility software?

- (i) Word processing software
- (ii) Disk defragmenter
- (iii) Antivirus software
- (iv) Desktop publishing software





- A. (i) and (ii) only
- B. (ii) and (iii) only
- C. (i), (iii) and (iv) only
- D. (i), (ii), (iii) and (iv)

- 24 Identify the following.

- It is a device that allows a computer to keep running for at least a short time when incoming power is interrupted.
- It provides protection against power fluctuations.



25 Select the **INCORRECT** match with respect to the document views in MS-Word 2016.

- A.  – It is used to read a document, including some tools designed for reading instead of writing.
- B.  – It is used to show how the document would look like a webpage.
- C.  – It is used to show the document in outline form where the content is shown in bulleted form.
- D.  – It is used to show how the document will look if printed.

26 Which of the following statements is/are **CORRECT** about the given icon of MS-PowerPoint 2016?



- A. It is used to maintain the space between each typed character, like tight, very tight, normal, etc.
- B. It is used to change the selected text into uppercase, lower case, sentence case, etc.
- C. It is used to clear all formatting from the selected text.
- D. Both A and B

27 Identify the following with respect to internet.





- In website, it is an icon, graphic or text that links to another file or an object.
 - It is a clickable link within a document or webpage, that takes you to another page or document, when clicked.
- A. URL
- B. Domain name system
- C. Hyperlink
- D. E-mail

28 Select the **INCORRECT** match with respect to an E-mail.

- A. BCC – It stands for Blind carbon copy. It is a way to send people a copy of an e-mail while keeping their e-mail address hidden from the rest of the recipients.
- B. CC – It stands for Create copy. It is a copy of an e-mail message sent to a recipient whose, e-mail address appears in the message's CC header field.

- C. Subject – The subject of e-mail message is a short summary of its contents.
- D. To – The "To" line of an e-mail contains its primary recipient.

29 Which of the following options is used to insert symbols that are not present on keyboard in a slide of MS-PowerPoint 2016?

- A. 
- B. 
- C. 
- D. 

30 1GB = _____.

- A. 1024 KB
- B. 1024 MB
- C. 1024 TB
- D. 1024 YB





31 Arrange the following in increasing order of their storage capacity.

- A. CD-ROM → DVD → Blu-ray
- B. Blu-ray → DVD → CD-ROM
- C. DVD → Blu-ray → CD-ROM
- D. CD-ROM → Blu-ray → DVD

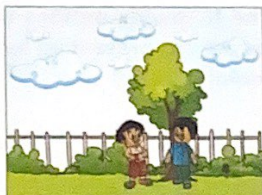
32 A/An _____ serves as a centralized platform for sharing important information, news and updates within the organization.









- A. Internet
- B. Intranet
- C. Ethernet
- D. Firewall

33 Select the **INCORRECT** match.

- A.  – It is an input device that is designed to read the text printed with magnetic ink.
- B.  – It is an input device that is used to select and display objects directly on a computer screen.
- C.  – It is an input device in which a source of light is passed through a barcode and details are displayed on the screen.
- D.  – It is an output device which is made up of a stick with a spherical base.

- 34 You have created a drawing in MS-Paint of Windows 10 as shown here. You want to select and keep only the top most cloud shown in the drawing. Which of the following combination of options would you choose to do so?



- A.  
- B.  
- C.  
- D.  

- 35 Identify the following with respect to multimedia animation.

- It is an animation that changes one image slowly into another.
- It is often used to change one face into another face.

- A. Linear media
B. Morphing
C. Passive media
D. Sampling

- 36 What is the use of Control Panel in Windows 10?

- A. It identifies the path for the currently opened folder of File Explorer.
B. It is the command center for configuring Windows settings.
C. It is the command used to close a window.
D. It lets you attach, or pin a program icon directly to the taskbar or Start menu.

- 37 Which of the following statements is/are CORRECT about the given device?

- (i) It is a portable storage device.





- (ii) It is a data storage device that connects to a computer by means of a USB port.

- (iii) It is commonly used for storage, data backup and transferring files between devices.







- A. (i) only
B. (ii) and (iii) only
C. (i) and (ii) only
D. (i), (ii) and (iii)

- 38 Select the CORRECT match with respects to MS-PowerPoint 2016.

- A.  – Can be used to insert a SmartArt graphic to visually communicate information.
- B.  – Used to create a beautiful presentation for your favourite photo collection.
- C.  – Used to find and insert pictures from a variety of online sources.
- D.  – Can be used to insert ready-made, shapes, such as circles, squares, and arrows, etc.

- 39 Which of the following options of views shows how your document looks as a webpage in MS-Word 2016?

- A. 
- B. 
- C. 
- D. 

- 40 What is the maximum percentage to zoom-in the screen in MS-PowerPoint 2016?

- A. 500%
B. 400%
C. 450%
D. 600%


INFORMATION TECHNOLOGY

- 41 Select the INCORRECT match with respect to Google apps.

- A.  – Google Drive

- B.  – Google Sheets

- C.  – Google Photos

- D.  – Google Documents

- 42 Which of the following statements hold(s) true regarding the given app?



Statement 1 : It is an instant messaging mobile app.

Statement 2 : It is used for sharing photos, videos, audio recording, as well as for group chats.

- A. Only Statement 1
- B. Only Statement 2
- C. Both Statement 1 and Statement 2
- D. Neither Statement 1 nor Statement 2

- 43 Identify the following.

- It is a voice-activated speaker powered by the Google Assistant.
- It helps the user to plan their day and get things done automatically.

- A. Google Data
- B. Google Home
- C. Google Drive
- D. Google Voice

- 44 Identify the given app.



- A. Google Classroom
- B. Google Speaker
- C. Google Voice
- D. Google Phone

- 45 Which of the following statements is/are CORRECT about GPS (Global Positioning System)?

- A. It is a space-based satellite navigation system.
- B. It provides location and time information in all weather conditions.
- C. It can be used to track the vehicles.
- D. All of these

ACHIEVERS SECTION

- 46 Which of the following is the CORRECT option, if you want to insert a set of different shapes and move them together in MS-PowerPoint 2016?

- A. Select all by pressing key with a left-click and then right-click and choose Group option.
- B. Select all the shapes and then right-click on Shapes and choose Size and Position option.
- C. Select all the shapes and then right-click on Shapes and choose Regroup.
- D. Select all the shapes by pressing key and then right-click on Shapes and choose Format object.

- 47 Match the following network related terms given in Column-I with their explanations given in Column-II.

Column-I	Column-II
(a) Protocol	(i) It is a company that provides internet access.
(b) Modem	(ii) It defines what, how and when data is communicated.
(c) ISP	(iii) It is a protocol that is used to deliver webpages to web browsers.
(d) HTTP	(iv) It is a device that encodes digital computer signals into analog telephone signals and vice-versa.

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

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

- 48 Which of the following statements hold(s) true regarding memory of a computer?

Statement 1 : ROM is a type of computer memory, that is used to temporarily store data that the computer is currently using or processing.

Statement 2 : RAM is a type of computer memory, that is used to permanently store data that does not need to be modified.

- A. Only Statement 1
- B. Only Statement 2
- C. Both Statement 1 and Statement 2
- D. Neither Statement 1 nor Statement 2

- 49 Which of the following order of steps will allow you to see only content in the header and footer area by hiding document content in MS-Word 2016? (Assume that header and footer is already inserted)

- A. Header & Footer tab → Navigation group → Uncheck the box labelled as 'Show Data Only'.
- B. Header & Footer tab → Insert group → Select 'Hide Info'.
- C. Header & Footer tab → Position group → Click 'Hide Document Text'.
- D. Header & Footer Tools → Design tab → Options group → Uncheck the box labelled as 'Show Document Text'.

- 50 Unscramble the letters of the given word and select the CORRECT statements about it with respect to MS-Paint of Windows 10.

RIIDNSEGL


(i) It is activated by pressing  +  keys.

- (ii) It can be enabled from the View tab.
(iii) It is used to line up and measure objects in your picture.
A. (i) and (ii) only
B. (i) and (iii) only
C. (ii) and (iii) only
D. (i), (ii) and (iii)

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