Dear students, you will be asked questions related to the final written paper of Computer Science which will be of total **40** marks divided into three parts (Part A, Part B and Part C).

1. Part A will be of a total of **10** marks consisting of 4 MCQ , 3 Fill in the blanks question & 3 questions will be questions with True/False, Full Forms and shortcut keys.

2.Part B will be of total **20** marks consisting of **5** questions of **4** marks each, of which 2 questions will have internal exemption.

3.Part C will be of total **10** marks consisting of **2** questions of **5** marks each, of which questions will have internal exemption.

Multiple choice questions:

1……………….font can be used to type in Punjabi.

a. AnmolLipi   b. Raavi   c. Joy   **d. All of the Above**

2. What is the full form of UNICODE?

a. Unium Code   b. Unified code   **c. Universal Code**   d. None of these

3. Which of the following Unicode fonts is used for typing in Punjabi?

a. Anmollipi   **b. Ravi**   c. Asees   d. All of the Above

4. Which of the following phonetic fonts is used for typing in Punjabi?

a. Anmollipi   b. Ravi   c. Asees   d. All of the Above

5. To use number pad,………….Should be kept ON.

a. Num Lock   b. Caps Lock   c. Scroll Lock   d. None of These

6. International Networks of Computer is known as_____

a. ARPANET   b. INTRANET   **c. INTERNET**   d. ETHERNET

7. WWW stands for_____.

a. World Wide Web   **b. World Web Wide**   c. Wide World Web   d. Web World Wide

8. A _____ is an online conversation over the Internet.

a. E-commerce   **b. Chatting**   c. WWW   d. None of these

9. _____ is the fastest way of sending mails.

a. Telegram   b. Letters   c. ISP   **d. E-mail**

10. _____ is a device that connects a computer with telephone line.

a. Modem   b. Telephone Wire   c. Mouse   d. Mobile

11………………..means our computer is receiving data from the Internet.

a.Uploading   **b. Downloading**   c. Surfing   d. None of these

12.   The first opening page of a website is usually called……………………
a. Home Page   b. Web Page   c. Main Page   d. None of these

13. ……………….indicates a state of connectivity.

a. Offline   **b. Online**   c. Inline   d. None of these

14. ……………….. means to move from place to place (one website to another website) on the Internet to search for the topics of interest.

a. Web Searching   b. Downloading   **c. Web Surfing**   d. All of these

15......................is a form of electronic commerce which allows consumers to directly buy goods or services from a seller over the Internet using a web browser.

a. Net Banking   b. E-Mail   **c. Online Shopping**   d. Mobile

16……………………….. is a presentation graphics software.

a. PowerPoint   b. Word   c. Excel   d. Paint

17.A……………….s the process of presenting a topic to an audience.

a. Word Processor   b. Slide   **c. Presentation**   d. Transition

18.A   …………………is a single page of presentation.

a.Slide   b. Document   c. Sheet   d. None of these

19………………. contains the current slide in our presentation.

 a. Outline Pane   b. Content Pane   c. Ribbon   **d. Slide Pane**

20. A_____defines the design and placement of different elements on a slide.

a. Background Style   b. Place holder   **c. Slide Layout**   d. Pattern

21. A_____is a blend of two or more colours merging into each other.

a. Theme   b. Pattern   c. Background Style   **d. Gradient**

22. _____is the default view where we create, edit and design our slides.

a. Normal   b. Slide Show   c. Slide Sorter View   d. Reading View

23. There are _____default slide-background styles available in PowerPoint 2010.

a. 48   b. 4   **c. 12**   d. 3

 24. The _____control allows us to zoom-in for a closer look at slide contents.

 a. Zoom   b. Slide   c. Normal View   d. Gradient

25. A _____ is the visual and motion effect that occurs when we move from one slide to the next slide

during a presentation

a. Slide transition   b. Animation   c. Animation Scheme   d. Slide Show

26. PowerPoint provides _____ types of animations

a. Two   b. Three   **c. Four**   d. Five

27. PowerPoint provides predefined collection of animation effects which are also known as _____.

a. Slide transition   b. Animation   **c. Animation Scheme**   d. Slide Show

28. Full Form of PDF is _____

a. Portable Data Format   b. Portable Document Form c. Portable Data Form   **d. Portable Document Format**

29. We can save our PowerPoint presentation as a PowerPoint Show with _____ extension.

a .ppsx   b .ppt   c .pptx   d .pdf

30. Second generation used the _____ as their basic component.

a. Vacuum Tubes   b. VLSI   c. ULSI   **d. Transistor**

31. The _____ generation of computers used VLSI circuits.

a. First   b. Second   c. Third   **d. Fourth**

32. The third generation of computer used _____ in place of transistors.

a. Integrated Circuits   b. Vacuum Tubes   c. ULSI   d. VLSI

33. _____ is an upcoming branch in computer science which interprets means and methods of making computers think like human beings.

a. Robotics   b. ULSI   **c. Artificial Intelligence**   d. Integrated Circuits

34. ULSI technology is used in _____ generation of computers.

a. Second   b. Third   c. Fourth   **d. Fifth**

35. A group of _____ bits is called byte

a. 8   b. 16   c. 32   d. 64

36. A bit or a binary digit may be represented by logical _____ and _____

a. 0, 1   b. 0, 0   c. 1, 2   d. 1, 1

37. RAM stands for _____

a. Read Access Memory   **b. Random Access Memory**   c. All of these   d. None of these

38. ROM stands for _____

a. Read Only Memory   b. Random Only Memory   c. Read Open Memory   d. None of these

39. Each track of a disk is subdivided into small portions known as _____

a. Sectors   b. Area   c. Cell   d. Tape

Fill in the blanks:

1.A collection of one or more pages grouped under some domain is called **Website**.

2.**Offline** means not connected with internet.

3.**Information** technology is providing us new tools of communication to collect knowledge and information.

4.Banks that provide the facility of Net Banking are also known as **Web Bank.**

5.We can buy goods from home using **Online Shopping.**

6.Using **Transition** Tab we can apply transition effects.

7.**Duration** option allows us to increase or decrease the duration or time of the effect.

8.**Animation Painter** option is used to copy animation effect.

9.To save the presentation file in the other format ,we have to use **Save As** option.

Full forms:

1	WWW	**World Wide Web**	10	VLSI	**Very Large-Scale Integration**
2	Email	**Electronic Mail**	11	ULSI	**Ultra Large-Scale Integration**
3	MODEM	**Modulator-Demodulator**	12	AI	**Artificial Intelligence**
4	ARPANET	**Advanced Research Projects Agency Network**	13	MB	**Megabyte**
5	ISDN	**Integrated Services Digital Network**	14	GB	**Gigabyte**
6	DSL	**Digital subscriber line**	15	SRAM	**Static Random-Access Memory**
7	ENIAC	**Electronic Numerical Integrator and Computer**	16	PROM	**Programmable Read Only Memory**
8	IBM	**International Business Machines**	17	IR	**Instruction Register**
9	IC	**Integrated Circuits**			

True/False:

1. For typing, the keyboard is divided in two parts: one for the left hand and one for the right hand. **True**

2. Touch typing is a technique by which we can learn typing with all fingers while looking at keyboard. **False**

3. AnmolLipi font helps us typing in Punjabi. **True**

4. We use our little finger for the spacebar. **False**

5. Shift key is used to move down to a new line. **False**

6.The result of any board or university can be seen online. **True**

7.Offline means we are connected with the Internet. **False**

8.A website has only a single web page. **False**

9.Web search is the act of looking for WebPages. **True**

10.Each website has its own unique website address. **True**

Shortcut keys or very short answer questions:

1.How to Open PowerPoint?

Answer: **Start ⟶ All Programs ⟶ Microsoft Office ⟶ Microsoft PowerPoint 2010**

2.What is the Shortcut Key to Save the Presentation in PowerPoint?
Answer: **Ctrl + S**

3.What is the Shortcut Key to Close PowerPoint?
Answer: **Alt+F4**

4.What is the Shortcut Key to Start Slide Show from the first Slide?
Answer: **F5**

5.What is the file extension of presentation file in PowerPoint?
Answer: .**pptx**

6.Which term/word is used to Open PowerPoint using RUN box?
Answer: **Powerpnt**

7.What is the Shortcut Key to Insert a New Slide?

Answer: **Ctrl + M**

8.What is the shortcut key to Create a New Presentation?

Answer: **Ctrl + N**

9.Which tab is used to format text on the slide?

Answer: **Home tab**

10.Which PowerPoint view is used to deliver our presentation to our audience?

Answer: **Slide Show view**

11.Which bar contains the View buttons and Zoom Slider in PowerPoint?

Answer: **Status Bar**

1. What is Touch typing?

Ans: Touch typing is a technique by which we can learn typing with all fingers, step by step, without looking at the keyboard

2. What are the different types of fonts used for typing in Punjabi?

Ans: Different types of fonts used for typing in Punjabi:

1. Phonetic Fonts (Anmollipi)

2. Unicode Fonts (Ravi)

3. How to type in Punjabi language?

Ans: Anmollipi Font is one of easiest Punjabi Font to Learn Typing in Punjabi. Fingers of both hands are placed on the line starting with 'A',also called home row.

4. Name any three fonts to type in Punjabi Language?

Ans:

1.Joy
2.Anmollipi
3.Asees

5.What is PowerPoint?
Ans**:** PowerPoint is very easy-to-use presentation graphics software. It allows us to create very impressive and professional looking electronic slide-shows.

6.Write a short note on Presentation.
Ans**:** A presentation is the process of presenting a topic to an audience. The aim of presentation is to make subject matter easy to understand by inserting pictures, text, graphs, charts, animation etc.

7.What is a Slide?
Ans**:** A slide is a single page of presentation. It is just like a 35mm film based slide. A slide can be considered as a work-area in PowerPoint where we put contents for creating presentation.

8.Write the main Components of PowerPoint Window.

Ans**:** Title Bar, Quick Access Toolbar, Ribbon and Tabs, Outline/Slides Tabs, Slide Pane, Status Bar etc.

9.How will you play presentation for the audience in PowerPoint?

Ans**:** To play the presentation from the very first slide, Press **FS** shortcut key.

10.Write about Slide Pane and Notes Pane in PowerPoint.

Ans**:**   **Slide Pane :** It contains the current slide in our presentation.
            Notes Pane : It is located below the slide pane.

11.What is Slide Transition?

Ans: A slide transition is the visual and motion effect that occurs when we move from oneslide to the next slide during a presentation.

12.What is Animation?

Ans: Animations are visual effects that display movement on the objects in the presentation.

13.What are Animation Schemes in PowerPoint?

Ans: PowerPoint provides predefined collection of animation effects which are also known as Animation Schemes.

14.How will you preview animations in PowerPoint?

Ans: Click on the Preview button in Preview group of Animations tab at any time to test how our animations look

15.Write the name of four types of animations available in PowerPoint.

Ans: 1. Entrance   2. Emphasis   3. Exit   4. Motion Paths

16. Write the main features of First-Generation computers.

Ans: The main features of first-generation computers are:

1. Vacuum tubes were used as basic processing components.
2. Machine and Assembly languages were used in these generations.
3. Size of these computers is very large.
4. These computers produced a lot of heat.
5. These computers were very expensive and difficult to use.

17. Which technology was used for Second Generation of Computers?

Ans: Following technologies were used in this generation of computers:
Transistors were used as basic processing components.
The magnetic core was used as the primary memory.
Magnetic tapes and disks were used as secondary storage devices.

18. What is IC?

Ans: IC stands for Integrated Circuits. A single IC contains several transistors, registers, and capacitors. IC was invented by Jack Kilby. These circuits were used to make third generation computers.

19. Write about Fourth Generation of computers.

Ans: The time interval of fourth-generation computers was from 1975 to 1989.Computers of this generation used VLSI circuits. These circuits made it possible to build fourth-generation's Microcomputers. Computers of this generation were very powerful, small, and reliable.

20. What is AI? Write the areas which are included in AI.

Ans: **AI** stands for Artificial Intelligence. It is a new branch of computer science that enables computers to think and act like humans. AI includes some of the key areas:

1. Robotics   2.Game Playing   3.Expert System   4.Systems for understanding Natural Languages

21. Write the examples of First Generation of Computers.

Ans: Some of the main Computers of First Generations are as follows:

1. ENIAC   2.EDVAC   3.EDSAC   4.UNIVAC I   5.IBM 701

22. What is Memory?

Ans: The memory of a computer is like the human brain. This is the storage area of the computer in which data and instructions are stored. Computer memory is divided into many smaller parts, called cells.

23. Write the names of different types of Memory.

Ans: Memory can be classified into two main types:

➢ Internal Memory

➢ External Memory

24. What is Primary Memory?

Ans: Primary memory is internal memory. This memory is also called main memory. The CPU has direct access to this memory. Computer cannot start without this memory. Primary memory can be classified into two main categories: RAM and ROM.

25. Write the name of various types of ROM.

Ans: ROM stands for **Read Only Memory**. Following are the names of the different types of ROM:

➢ MROM (Masked ROM)
➢ PROM (Programmable ROM)
➢ EPROM (Erasable and Programmable ROM)
➢ EEPROM (Electrically Erasable and Programmable ROM)

5 Marks Questions:

1. What is MODEM? Also explain its types and speed.

Answer: Full Form of MODEM is Modulator-Demodulator. A modem is a device that enables a computer to transmit data over telephone or cable lines. Computer information is stored digitally, whereas information transmitted over telephone lines is transmitted in the form of analog waves. A modem converts between these two forms i.e. by converting the digital data used by your computer into an analog signal used on phone lines and then converting it back once received on the other end.

Types of Modem : Modem is of two types: External and Internal.

Speed of modem: Generally a modem with 28.8kbps speed is used. Surfing needs modem speed not less than 56 kbps.

2. Explain the facilities provided by the Internet.

Answer: FACILITIES PROVIDED BY INTERNET

1. Internet provide us the facility to read news from various online new-papers.
2. Internet is a major source of art and entertainment
3. We can purchase many types of goods from home with the help of internet
4. We can send and receive messages to anyone at any time with the help of internet
5. We can book railway/air tickets from home with the help of internet
6. We can do chatting with the help of internet
7. Internet provides us the facility of video conferencing

3. What is E-mail? Write the advantages of using email.

Answer: Electronic mail is more commonly known as email.We can send and receive messages with the help of e-mail to any part of the world. Text, video, audio and other files can also be sent and received through it.

Advantages of E-Mail :

1.Cost: Cost given for use of internet is the only money given. User need not to give money for postal stamps. It is cheaper than fax. The e-mail does not need such costs.

2.Speed : Its speed is greater than postal transmission. E-mail message can reach its destination within no time. We can correspond any times in a day.

3.Convenience : Computer user can type the message in his computer and send e-mail at any time of his convenience. It saves paper, postal cost and any other problem.

4. Write a note on World Wide We

Answer: The World Wide Web (WWW) and the Internet work together but they are the different things.The Internet is a global network of networks while the World Wide Web (www) is collection of information which is accessed via the Internet.We can access the information stored on the www by using the web browsers such as Internet Explorer, Mozilla Firefox etc.

5. What are the main services provided by Internet? Explain briefly.

1. **Email:** We can send or receive messages worldwide using this service.
2. **Chatting:** It is an online conversation over the Internet using text messages.
3. **E-Commerce:** Doing business electronically with the help of internet is called e-commerce.
4. **Searching:** We can search any type of information on the internet.
5. **Surfing:** Process of using websites over internet is known as surfing
6. **Video Conferencing:** It involves face to face conversation using video cameras connected to computers.
7. **File Downloading:** We can download different types of files using internet.

6.Explain the Need of Information Technology.

Answer: Information technology is used to perform many tasks as mentioned below:

1.For Business and Industry : Information technology is used in business and industryfor following purposes:

➢ **Office Automation** : Information technology helps to perform routine office work and to increase productivity in the business and industry.
➢ **Management Information System :** Information technology helps the manager to take quick decision in the business and industry.

2.At home : Information technology is used to perform following tasks at home:

➢ **Communication :** Instead of sending letters, we can communicate with email and chatting.
➢ **Education :** Student use internet for their study. There are various types of educational software which help students to do their study at homes.
➢ **Entertainment :** The older means of entertainment are replaced by computer and internet. Traditional tapes and cassettes have been replaced by audio-video CD's/DVD's.

3.For Training : In schools, information Technology is used to provide easy and effective knowledge to students by teachers. Effective multimedia presentation contents are proving very helpful in this regard. Information technology is also helpful in the field of science and medicine.

7.Write the steps to view online result.
Answer: Steps to view online result:
1. Open any web browser, such as - Internet Explorer, Mozilla Firefox etc.

2. In the address bar, type website address of Punjab School Education Board, i.e.www.pseb.ac.in
3. Click on "Result" Link. It will open a web page showing links for various results.
4. Click on the Result link that we want to see.
 5.   Fill our exam details, such as roll no, name etc.
 6.   Click on "Find Results" button.

8.Write a note on Mobile Technology

Answer: The meaning of mobile technology is clear from its name itself - a technology that is portable.

Mobile technology is rapidly changing the face of communication in the most remote areas of the world.

Today, out of the seven billion people in the world, approximately six billion are cell phone subscribers.

Here are some important uses of Mobile Technology:

1. Education
2. Surveys and Polling
3. Banking
4. Data Analysis

9.Explain about on-line shopping?

Answer: Online Shopping or Online Retailing is a form of electronic commerce which allows consumers to directly buy goods or services from a seller over the Internet using a web browser. We can purchase products from almost anywhere if the vendor makes his products available through the Internet. We can pay the bill of our shopping by using a credit/debit card or net banking etc. The good thing is that purchasing things online is very easy. The advantage for online shopping is that we can purchase items from home and the items will be delivered at home.

10.What is Net Banking? Explain?

Answer: A system of banking in which customers can view their account details, pay bills, and transfer money to others by means of the Internet, is known as Net Banking. Internet banking is also called Online Banking. Internet banking uses the Internet to conduct banking activities, for example: transferring funds to others, paying bills, viewing our own account balances etc. Banks that provide the facility of Net Banking are also known as Virtual Bank or Cyber Banks or Web Banks.