B.Ed.-First Year (Second Semester) Examination, July-2022

(B.Ed.202)

Pedagogy of Computer Science

Time : 1:30 Hours   **Maximum Marks-80**

जब तक कहा न जाय, इस प्रश्नपुस्तिका को न खोलें

K-383

निर्देश :–

1. परीक्षार्थी अपने अनुक्रमांक, विषय एवं प्रश्नपुस्तिका की सीरीज का विवरण यथास्थान सही– सही भरें, अन्यथा मूल्यांकन में किसी भी प्रकार की विसंगति की दशा में उसकी जिम्मेदारी स्वयं परीक्षार्थी की होगी।

2. इस प्रश्नपुस्तिका में 100 प्रश्न हैं, जिनमे से केवल 75 प्रश्नों के उत्तर परीक्षार्थियों द्वारा दिये जाने है। प्रत्येक प्रश्न के चार वैकल्पिक उत्तर प्रश्न के नीचे दिये गये हैं। इन चारों में से केवल एक ही उत्तर सही है। जिस उत्तर को आप सही या सबसे उचित समझते हैं, अपने उत्तर पत्रक (O.M.R. ANSWER SHEET) में उसके अक्षर वाले वृत्त को काले या नीले बाल प्वांइट पेन से पूरा भर दें। यदि किसी परीक्षार्थी द्वारा किसी प्रश्न का एक से अधिक उत्तर दिया जाता है, तो उसे गलत उत्तर माना जायेगा।

3. प्रत्येक प्रश्न के अंक समान हैं। आप के जितने उत्तर सही होंगे, उन्हीं के अनुसार अंक प्रदान किये जायेंगे।

4. सभी उत्तर केवल ओ०एम०आर० उत्तर पत्रक (O.M.R. ANSWER SHEET) पर ही दिये जाने हैं। उत्तर पत्रक में निर्धारित स्थान के अलावा अन्यत्र कहीं पर दिया गया उत्तर मान्य नहीं होगा।

5. ओ०एम०आर० उत्तर पत्रक (O.M.R. ANSWER SHEET) पर कुछ भी लिखने से पूर्व उसमें दिये गये सभी अनुदेशों को सावधानीपूर्वक पढ़ लिया जाय।

6. परीक्षा समाप्ति के उपरान्त परीक्षार्थी कक्ष निरीक्षक को अपनी ओ०एम०आर० शीट उपलब्ध कराने के बाद ही परीक्षा कक्ष से प्रस्थान करें।

7. निगेटिव मार्किंग नहीं है।

महत्वपूर्ण :– प्रश्नपुस्तिका खोलने पर प्रथमतः जाँच कर देख लें कि प्रश्नपुस्तिका के सभी पृष्ठ भलीभाँति छपे हुए हैं। यदि प्रश्नपुस्तिका में कोई कमी हो, तो कक्ष निरीक्षक को दिखाकर उसी सीरीज की दूसरी प्रश्नपुस्तिका प्राप्त कर लें।

1. Eight Bits make up a:

    (A) Byte

    (B) Megabyte

    (C) Kilobyte

    (D) None

2. Arrange in ascending order the units of memory TB, KB, GB, MB:

    (A) TB>MB>GB>KB

    (B) MB>GB>TB>KB

    (C) TB>GB>MB>KB

    (D) GB>MB>KB>TB

3. Computer Monitor is also known as:

    (A) DVU

    (B) UVD

    (C) VDU

    (D) CCTV

4. A collection of interrelated records is called a:

    (A) Utility file

    (B) Database

    (C) Datasheet

    (D) Spreadsheet

5. Removing and replacing devices without turning off your computer is referred to as:

    (A) Hot swapping

    (B) Bay swap

    (C) USB swapping

    (D) Plug-n-play

6. Junk e-mail is also called:

   (A) Spool

   (B) Spam

   (C) Spoof

   (D) Crap

7. File extension is used:

   (A) To identify file

   (B) To identify file type

   (C) For naming file

   (D) To make items complex

8. Files deleted from hard-disc are sent to:

   (A) Clipboard

   (B) Dustbin

   (C) Floppy disk

   (D) Recycle bin

9. Which of the following is not an example of hardware?

   (A) Scanner

   (B) Printer

   (C) Monitor

   (D) Interpreter

10. A word processor is used for:

    (A) Write text

    (B) Edit text

    (C) Print text

    (D) All of these

11. Communications bandwidth that has the highest capacity and is used by microwave, cable and fibre optics lines is known as:

(A) Bus width

(B) Hyper-link

(C) Broadband

(D) Carrier wave

12. "Dpi" stands for:

(A) Dots per inch

(B) Digits per unit

(C) Dots pixel inch

(D) Diagrams per inch

13. Which of the following is not the characteristic of a computer?

(A) Computer cannot think at its own

(B) Computer is an electrical machine

(C) Computer processes information error free

(D) Computer can hold data for any length of time

14. The basic architecture of the computer was developed by:

(A) John Von Neumann

(B) Charles Babbage

(C) Blaise Pascal

(D) Garden Moore

15. One way to make a PowerPoint slide display animations is to:

(A) Select the slide in normal view; and click Format, Animation

(B) Click the PowerPoint window and move it around vigorously with the mouse for a manual animation effect

(C) Select the slide in slide sorter view, right-click and choose preset animations from the shortcut menu

(D) PowerPoint does not have an animation feature

16. What does ASCII stand for?

    (A) Array of Simple Character Iteration Indices

    (B) Another Stupid Character Identification Idea

    (C) Alternate Source Code Image Improvement

    (D) American Standard Code for Information Interchange

17. Which country proposed the 'Social Media (Basic Expectations and Defamation) Bill 2021'?

    (A) USA

    (B) Australia

    (C) China

    (D) India

18. A set of rules that governs data communication:

    (A) Standards

    (B) RFCs

    (C) Protocols

    (D) None of these

19. Who founded Facebook?

    (A) Mark Zuckerberg

    (B) Matt Mullenweg

    (C) Bill Gates

    (D) Steve Chen

20. Social Network sites use which media for communication?

    (A) Text

    (B) Video

    (C) Audio

    (D) All of the these

21. The abbreviation of FTP?

    (A) File transfer protocol

    (B) File transmission protocol

    (C) File transfer program

    (D) File transfer protection

22. Which is called the main page of a website?

    (A) Browser page

    (B) Home page

    (C) Bookmark

    (D) Search page

23. Which term is used for creating of web pages?

    (A) HTML

    (B) FTP

    (C) URL

    (D) HTTP

24. Wi-Fi stand for_____.

    (A) Wireless function

    (B) Wireless fidelity

    (C) Wireless functioning

    (D) None of above

25. Social networks are organized primarily _____.

    (A) Brands

    (B) People

    (C) Discussions

    (D) Interests

26. Barcodes store information using:

   (A) Thick and thin lines

   (B) Punched holes

   (C) Dots

   (D) All of the above

27. Internet is:

   (A) A worldwide interconnected network of computers which use a common protocol to communicate with one another

   (B) A worldwide network of computers

   (C) An interconnected network of computers

   (D) A local computer network

28. Sending an E-mail is similar to:

   (A) Sending a package

   (B) Talking on the phone

   (C) Writing a letter

   (D) Drawing a picture

29. Mention the name of the OER portal that supports the international community of educators, learners, and researchers:

   (A) Dgroups.org

   (B) ePathshala

   (C) ePGPathshala

   (D) MERLOT

30. Which search engine is commonly used to find, locate and retrieve OER?

   (A) Bing

   (B) Google

   (C) Yahoo!

   (D) None of the above

31. What is/are the main barrier(s) in using the Open Educational Resources (OER)?

   (A) Lack of time

   (B) Lack of awareness

   (C) Low internet connectivity

   (D) All of the above

32. ICT stands for:

   (A) Information and computer technology

   (B) Innovation and computer technology

   (C) Information and communication technology

   (D) Instruction and communication technology

33. CAI Stands for:

   (A) Computer Analysed Instruction

   (B) Computer-Assisted Instruction

   (C) Computer-Assisted Interview

   (D) Computer Analysed Interview

34. Who defined Teaching as a system of actions intended to produce learning?

   (A) N.L. Gage

   (B) John Brubacher

   (C) B.O. Smith

   (D) Clarke

35. Distinct approaches to educational technology do not include:

   (A) Hardware approach

   (B) Software approach

   (C) System approach

   (D) Philosophical approach

36. Why computer-assisted learning is beneficial for teachers?

   (A) It helps them to evaluate their own performance

   (B) It helps them to convey vast information

   (C) It helps them to save time

   (D) Both (B) and (C)

37. USB stands for:

   (A) United Serial Bus

   (B) Universal Serial By-Pass

   (C) Universal System Bus

   (D) Universal Serial Bus

38. WWW stands for:

   (A) World Wide Web

   (B) Web World Web

   (C) World Wide Weblink

   (D) Wide World Web

39. Web address is also called a_____.

   (A) LRU

   (B) URL

   (C) LUR

   (D) ULR

40. Which protocol is used to transmit information on the World Wide Web:

   (A) HTPP

   (B) HPPT

   (C) HTTTP

   (D) HTTP

41. The internet also known simply as:

   (A) NAT

   (B) NOT

   (C) NET

   (D) NFT

42. It is a software program designed to record ('log') every keystroke on the machine on which it runs:

   (A) Key logger

   (B) Worm

   (C) Virus

   (D) Cracker

43. Which file contents are readymade styles that can be used for a word document?

   (A) Presentation

   (B) Letters

   (C) Magic wands

   (D) Templates

44. What do you need to put your web pages on the WWW?

   (A) A connection to the internet

   (B) A web browser

   (C) A web server

   (D) All of The Above

45. What happens when you press Ctrl + V Key?

   (A) A Capital V letter is typed into your document at the cursor point

   (B) The selected item is pasted to the clipboard

   (C) The selected item is pasted from the clipboard

   (D) The selected drawing objects are distributed vertically on the page

46. Which command is used to quit PowerPoint:

    (A) Alt + Shift + F4

    (B) Alt + F4

    (C) F4

    (D) Either (A) or (B)

47. You can keep your personal files/folders in:

    (A) My Documents

    (B) My Files

    (C) My Text

    (D) None of The Above

48. Microsoft Word, Microsoft Excel, and Microsoft PowerPoint are the part of:

    (A) Microsoft Office Suite

    (B) Microsoft Windows

    (C) Mac OS X

    (D) None of these

49. You can replace the text _____.

    (A) Ctrl + H

    (B) Ctrl + R

    (C) Replace from the edit menu

    (D) Both (A) and (C)

50. Ctrl + I is used to:

    (A) Italic

    (B) Left Indent

    (C) Save Document

    (D) Close Document

51. Which of the following registers is loaded with the contents of the memory location pointed by the PC?

    (A) Memory Address Register

    (B) Memory Data Register

    (C) Instruction Register

    (D) Program Counter

52. A compiler means:

    (A) A person who compiles source programs

    (B) The same thing as a programmer

    (C) Keypunch operator

    (D) A program which translates a source program into an object program

53. A language that is close to used within the computer is:

    (A) High-level language

    (B) Assembly language

    (C) Low-level language

    (D) All of the above

54. The complete picture of data stored in a database is known as:

    (A) Record

    (B) Schema

    (C) System flowchart

    (D) DBMS

55. The symbols used in an assembly language are:

    (A) Codes

    (B) Mnemonics

    (C) Assembler

    (D) All of the above

56. A program that performs a useful task while simultaneously allowing destructive acts is:

   (A) Worm

   (B) Trojan Horse

   (C) Virus

   (D) Macro Virus

57. Memory in which any location can be reached in a fixed and short amount of time after specifying its address is called:

   (A) Sequential access memory

   (B) Random access memory

   (C) Secondary memory

   (D) Mass storage

58. Protocols are:

   (A) Sets of rules

   (B) Sets of maps

   (C) Sets of computers

   (D) Sets of product

59. What does FTP stand for?

   (A) File Transfer Protocol

   (B) File Transfer Program

   (C) File Thread Protocol

   (D) File Thread Program

60. In processing cheques which of the following I/O techniques have banks traditionally followed?

   (A) OCR (Optical Character Recognition)

   (B) MICR (Magnetic Ink Character Recognition)

   (C) Barcode

   (D) VRT (Volume Rendering Technique)

61. Which of the following can't spread the virus:

    (A) An e-mail with an attachment

    (B) A plain text mail

    (C) Downloading files over the web

    (D) None of these

62. In a network, the computer that stores the files and processes the data is named as:

    (A) Server

    (B) Terminal

    (C) Modem

    (D) All of these

63. The ability of an operating system to control the activities of multiple programs at the same time is called_____.

    (A) Multi-tasking

    (B) Multi-processing

    (C) Multi-operating

    (D) Multi-paging

64. The MS-DOS operating system is a_____.

    (A) Graphical user interface, single-tasking operating system

    (B) Graphical user interface, multi-tasking operating system

    (C) Command-driven interface, single-tasking operating system

    (D) Command-driven interface, multi-tasking operating system

65. Hardware includes_____.

    (A) All devices used to input data into a computer

    (B) Sets of instructions that a computer runs or executes

    (C) The computer and all the devices connected to it that are used to input and output data

    (D) All devices involved in processing information including the central processing unit, memory and storage

66. Firewalls are used to protect against _____.

    (A) Unauthorized Access

    (B) Virus Attacks

    (C) Data-Driven Attacks

    (D) Fire Attacks

67. A self-replicating program, similar to a virus which was taken from a 1970s science fiction novel by John Bruner entitled the Shockwave Rider is_____.

    (A) Bug

    (B) Vice

    (C) Lice

    (D) Worm

68. What is considered the 'backbone' of the World Wide Web?

    (A) Uniform resource locator (URL)

    (B) Hypertext mark-up language (HTML)

    (C) Hypertext transfer protocol (HTTP)

    (D) File transfer protocol (FTP)

69. Which of the following would most likely NOT be a symptom of a virus?

    (A) Existing program files and icons disappear

    (B) The CD-ROM stops functioning

    (C) The Web browser opens to an unusual home page

    (D) Odd messages or images are displayed on the screen

70. Linux is a(n) _____ operating system.

    (A) Open-source

    (B) Microsoft

    (C) Windows

    (D) Mac

71. Two or more computers connected to each other to share information from a_____.

    (A) Server

    (B) Router

    (C) Network

    (D) Tunnel

72. _____is the process of finding errors in software code.

    (A) Compiling

    (B) Testing

    (C) Running

    (D) Debugging

73. What is Cache RAM?

    (A) Extra memory used for overflow from your Hard Disk

    (B) A place to store secret information like passwords

    (C) Its the same as your Hard Disk Drive

    (D) Fast memory used for data that is accessed often

74. An optical input device that interprets pencil marks on paper media is:

    (A) Magnetic tape

    (B) Optical scanners

    (C) Punch card reader

    (D) O.M.R.

75. CPU controls _____.

    (A) All Input, Output and processing

    (B) Controls Memory

    (C) Controlled by the input data

    (D) None of the above

76. What does the Portable program mean?

   (A) Independent from its authors

   (B) Independent of platform

   (C) Program with wheels

   (D) None of the above

77. DNS in internet technology stands for:

   (A) Distributed Name System

   (B) Data Name System

   (C) Dynamic Name System

   (D) Domain Name System

78. Which of the following is the product of data processing?

   (A) Information

   (B) Data

   (C) Software Program

   (D) System

79. A list of instructions used by a computer is called:

   (A) Text

   (B) CPU

   (C) Program

   (D) Output

80. Which of the following is true about primary storage?

   (A) It is a part of the CPU

   (B) It allows very fast access to data

   (C) It is relatively more expensive

   (D) All of the above

81.   In a client/server model, a client program _____.

   (A)   Asks for information

   (B)   Provides information and files

   (C)   Serves software files to other computers

   (D)   Distributes data files to other computers

82.   _____is the high speed memory used in the computer.

   (A)   RAM

   (B)   Hard Disk

   (C)   Cache

   (D)   BIOS

83.   Internet Explorer is a type of:

   (A)   Operating System

   (B)   Browser

   (C)   IP address

   (D)   Compiler

84.   The file extension of MS-Word document in Office 2007 is_____.

   (A)   .doc

   (B)   .docx

   (C)   .pdf

   (D)   .txt

85.   The most advanced form of ROM is?

   (A)   PROM

   (B)   RAM

   (C)   EEPROM

   (D)   Cache Memory

86. ROM is needed for storing an initial program called _____.

   (A) Computer Startup Loader

   (B) OS Version

   (C) Kernel

   (D) Bootstrap Loader

87. Which memory is nonvolatile and may be written only once?

   (A) RAM

   (B) EEPROM

   (C) EPROM

   (D) PROM

88. The operating system manages:

   (A) Memory

   (B) Processor

   (C) Disk and I/O Devices

   (D) All of the above

89. RAM chips:

   (A) Allow the computer to store data electronically

   (B) Store data indefinitely unless you delete it

   (C) Are secondary memory

   (D) All of the above

90. Operating System is the most common type of _____ software.

   (A) Communication

   (B) Application

   (C) System

   (D) Word Processing Software

91. Which network protocol is used to send E-mail?

(A) FTP

(B) SSH

(C) POP3

(D) SMTP

92. Which one of the following is not an application software package?

(A) Red Hat Linux

(B) Microsoft Office

(C) Adobe Pagemaker

(D) Open Office

93. Time during which a job is processed by the computer is:

(A) Execution Time

(B) Delay Time

(C) Real Time

(D) Waiting Time

94. Which of the following memory is non-volatile?

(A) SRAM

(B) DRAM

(C) ROM

(D) All of the above

95. Microprocessor was introduced in which generation of computer?

(A) Second Generation

(B) Fourth Generation

(C) Both (A) and (B)

(D) Third Generation

96. Which one is not an input device?

   (A) Keyboard

   (B) Mouse

   (C) Speaker

   (D) Scanner

97. Fifth-generation computers are based on:

   (A) Artificial Intelligence

   (B) Programming Intelligence

   (C) System Knowledge

   (D) VVLSI

98. In how many generations a computer can be classified?

   (A) 3

   (B) 4

   (C) 5

   (D) 6

99. Which protocol provides an e-mail facility among different hosts?

   (A) FTP

   (B) SMTP

   (C) TELNET

   (D) SNMP

100. A light-sensitive device that converts drawing, printed text, or other images into digital form is:

   (A) Keyboard

   (B) Plotter

   (C) Scanner

   (D) OMR

******

Rough Work / रफ कार्य

DO NOT OPEN THE QUESTION BOOKLET UNTIL ASKED TO DO SO

1. Examinee should enter his / her roll number, subject and Question Booklet Series correctly in the O.M.R. sheet, the examinee will be responsible for the error he / she has made.

2. **This Question Booklet contains 100 questions, out of which only 75 Question are to be Answered by the examinee. Every question has 4 options and only one of them is correct. The answer which seems correct to you, darken that option number in your Answer Booklet (O.M.R ANSWER SHEET) completely with black or blue ball point pen. If any examinee will mark more than one answer of a particular question, then the answer will be marked as wrong.**

3. Every question has same marks. Every question you attempt correctly, marks will be given according to that.

4. Every answer should be marked only on Answer Booklet **(O.M.R ANSWER SHEET).**Answer marked anywhere else other than the determined place will not be considered valid.

5. Please read all the instructions carefully before attempting anything on Answer Booklet**(O.M.R ANSWER SHEET).**

6. After completion of examination, please hand over the **O.M.R. SHEET** to the Examiner before leaving the examination room.

7. There is no negative marking.

Note: On opening the question booklet, first check that all the pages of the question booklet are printed properly in case there is an issue please ask the examiner to change the booklet of same series and get another one.