M. Sc. (Ag.) Agricultural Economics/Genetics & Plant Breeding/ Horticulture/Agronomy/Agricultural Entomology/ Plant Pathology/Agricultural Extension/ Soil Science & Agricultural Chemistry (Third Semester) EXAMINATION, 2021-22

COMPUTER APPLICATION IN AGRICULTURE

Paper Code
CA 5 0 0 2

Questions Booklet Series

B

Time : 1:30 Hours] [*Maximum Marks : 100*

Instructions to the Examinee :

1. Do not open the booklet unless you are asked to do so.

2. The booklet contains 60 questions. Examinee is required to answer any 50 questions in the OMR Answer-Sheet provided and not in the question booklet. If more than 50 questions are attempted by student, then the first attempted 50 questions will be considered for evaluation. All questions carry equal marks.

3. Examine the Booklet and the OMR Answer-Sheet very carefully before you proceed. Faulty question booklet due to missing or duplicate pages/questions or having any other discrepancy should be got immediately replaced.

(Remaining instructions on the last page)

परीक्षार्थियों के लिए निर्देश :

1. प्रश्न-पुस्तिका को तब तक न खोलें जब तक आपसे कहा न जाए।

2. प्रश्न-पुस्तिका में 60 प्रश्न हैं। परीक्षार्थी को किन्हीं 50 प्रश्नों को केवल दी गई OMR आन्सर-शीट पर ही हल करना है, प्रश्न-पुस्तिका पर नहीं। यदि छात्र द्वारा 50 से अधिक प्रश्नों को हल किया जाता है तो प्रारम्भिक हल किये हुए 50 उत्तरों को ही मूल्यांकन हेतु सम्मिलित किया जाएगा। सभी प्रश्नों के अंक समान हैं।

3. प्रश्नों के उत्तर अंकित करने से पूर्व प्रश्न-पुस्तिका तथा OMR आन्सर-शीट को सावधानीपूर्वक देख लें। दोषपूर्ण प्रश्न-पुस्तिका जिसमें कुछ भाग छपने से छूट गए हों या प्रश्न एक से अधिक बार छप गए हों या उसमें किसी अन्य प्रकार की कमी हो, तो उसे तुरन्त बदल लें।

(शेष निर्देश अन्तिम पृष्ठ पर)

(Only for Rough Work)

1. What is the full form of ROM ?

   (A) Random Only Memory

   (B) Read Only Memory

   (C) Rapid Only Memory

   (D) Read Once Memory

2. HTML is used ....

   (A) To create a webpage in the internet

   (B) To compile the program written in high level language

   (C) To send hot mail

   (D) As a protocol to transfer hypertext from one computer to another

3. Data compression .... the size of multimedia files.

   (A) increases

   (B) keeps constant

   (C) reduces

   (D) hides

4. A Personal Computer (PC) is a .... Computer.

   (A) Super

   (B) Mainframe

   (C) Mini

   (D) Micro

5. FTP is used to transfer .... between two computers.

   (A) Databases

   (B) Programs

   (C) Files

   (D) Chat

6. Microprocessors as switching devices are for which generation computers ?

   (A) First Generation

   (B) Second Generation

   (C) Third Generation

   (D) Fourth Generation

7. Copying flies from a remote computer in the internet to your computer is known as ....

   (A) Copying

   (B) Downloading

   (C) E-copy

   (D) Uploading

8. Which among the following is a server based hardware platform of GIS ?

   (A) Autodesk Revit

   (B) STAAD Pro

   (C) Arc GIS

   (D) Google-maps

9. A hybrid computer ....

   (A) Resembles digital computer

   (B) Resembles analogue computer

   (C) Resembles both a digital and analogue computer

   (D) None of the above

10. 'MICR' technology used for clearance of cheques by banks refers to :

   (A) Magnetic Ink Character Recognition

   (B) Magnetic Intelligence Character Recognition

   (C) Magnetic Information Cable Recognition

   (D) Magnetic Insurance Cases Recognition

11. Micro computers were introduced in :

   (A) Ist generation

   (B) IInd generation

   (C) IIIrd generation

   (D) IVth generation

12. The original programs written in the high level language is called ....

   (A) Object program

   (B) Source program

   (C) Assembler

   (D) Operating program

13. Modulator-demodulator is a device that converts :

   (A) Digital signal into analog signal

   (B) Analog signal into digital signal

   (C) Both (A) and (B)

   (D) None of the above

14. A computer can understand only ....

   (A) High Level Language

   (B) Assembly Language

   (C) Machine Language

   (D) Flowchart

15. The error detected by a compiler is ....

   (A) Logical error

   (B) Syntax error

   (C) Logical and syntax error

   (D) Execution error

16. The process of correcting errors in a program is known as ....

   (A) Executing

   (B) Editing

   (C) Debugging

   (D) Documenting

17. The language used in database to retrieve records is ....

   (A) Structured Query Language

   (B) COBOL

   (C) Search Query Language

   (D) Job Control Language

18. A flowchart is ....

   (A) A program

   (B) A subroutine

   (C) A compiler

   (D) A programming tool

19. In Programming, "Initialize a variable" means to ....

   (A) Assign a beginning or starting value

   (B) Turn on the computer power

   (C) Boot the system

   (D) Compile the code

20. Software that translates and executes a high level language program in one line at a time is known as ....

   (A) a Compiler

   (B) an Interpreter

   (C) an Assembler

   (D) an Executor

21. In Excel, ... contains one or more worksheets.

   (A) Template

   (B) Workbook

   (C) Active cell

   (D) Label

22. The "home page" of a website is ....

   (A) The largest page.

   (B) The last page.

   (C) The first page.

   (D) The most colorful page.

23. What is backup ?

(A) Adding more data to the existing data

(B) Protecting data by copying it from original source to different destination

(C) Filtering old data from the new data

(D) Accessing data on tape

24. Hardware devices that are not a part of the main computer system and are often added later to the system are called ....

(A) clip art

(B) highlight

(C) execute

(D) peripherals

25. The ...., also called the Web, contains billions of documents.

(A) World Wide Web

(B) HTTP

(C) Web Portal

(D) Domain

26. To move to the bottom of a document in MS-Word, press ....

(A) Insert key

(B) Home key

(C) Ctrl key + End key

(D) End key

27. In MS-Word, what menu is selected to Save or Save As option ?

(A) Tools

(B) File

(C) Format

(D) Edit

28. Which of the following is the largest unit of storage ?

(A) Gigabyte (GB)

(B) Kilobyte (KB)

(C) Megabyte (MB)

(D) Terabyte (TB)

29. Which of the following doesn't determine the capability of GIS ?

(A) Defining a map

(B) Representing cartographic feature

(C) Retrieving data

(D) Transferring data

30. Multiprogramming systems ....

   (A) are easier to develop than single programming systems.

   (B) execute each job faster.

   (C) execute more jobs in the same time period.

   (D) are used only on large mainframe computers.

31. Which of the following operating systems does not implement multitasking truly ?

   (A) Windows 98

   (B) Windows 7

   (C) Windows XP

   (D) MS-DOS

32. A(n) .... is a small group of computers and peripherals linked together in a small geographic area.

   (A) MAN

   (B) PAN

   (C) WAN

   (D) LAN

33. Which part of the computer helps to store information ?

   (A) Disk drive

   (B) Keyboard

   (C) Monitor

   (D) Printer

34. 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 from the Clipboard.

   (C) The selected item is pasted to the Clipboard.

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

35. To save an existing file with a new name or to a new location, you should use the .... command.

   (A) save

   (B) save and replace

   (C) save as

   (D) new file

36. A CPU contains ....

(A) a card reader and a printing device.

(B) an analytical engine and a control unit.

(C) a control unit and an arithmetic logic unit.

(D) an arithmetic logic unit and a card reader.

37. BIOS is the abbreviation of ....

(A) Basic Input-Output System

(B) Best Input-Output System

(C) Basic Input-Output Symbol

(D) Base Input-Output System

38. DBMS stands for ....

(A) Database Business Management System

(B) Database Business Maintenance System

(C) Database Management System

(D) None of the above

39. Information and Communication Technology includes ....

(A) Online learning

(B) Web based Learning

(C) Learning through the use of EDUSAT

(D) All of the above

40. You can use .... to copy selected text, and .... to paste it in a document.

(A) Ctrl + C, Ctrl + V

(B) Ctrl + C, Ctrl + P

(C) Ctrl + S, Ctrl + S

(D) Shift + C, Alt + P

41. A web page is located using a ....

(A) Universal Record Linking

(B) Uniform Resource Locator

(C) Universal Record Locator

(D) Uniformly Reachable Links

42. Benefits of soil information system are ....

(A) Understand detailed soil properties

(B) View soil analysis in 3D

(C) Understand soil variability

(D) All of the above

43. Permanent instructions that the computer uses when it is turned on and that cannot be changed by other instructions are contained in ....

(A) ROM

(B) RAM

(C) ALU

(D) Magnetic Tap

44. Which of the following is true ?

(A) Byte is a single digit in a binary number.

(B) Bit represents a grouping of digital numbers.

(C) An eight-digit binary number is called a byte.

(D) An eight-digit binary number is called a bit.

45. Which is the first program run on a computer when the computer boots up ?

(A) MS-Office

(B) Operating system

(C) System operations

(D) Application software

46. ICT stands for ....

(A) Inter Connected Terminals

(B) Intra Common Terminology

(C) International Communication Technology

(D) Information and Communication Technology

47. Operating system editors, and debuggers comes under ....

(A) System Software

(B) Application Software

(C) Utilities

(D) None of the above

48. Among the following can be expressed as an example of hardware component :

(A) Keyboard

(B) Arc GIS

(C) AutoCAD

(D) Digitalization

49. Which device is required for the Internet connection ?

(A) Joystick

(B) Modem

(C) CD drive

(D) NIC card

50. The Second Generation Computer was based on ....

   (A) Vacuum Tube

   (B) Silicon Chips

   (C) Transistor

   (D) Microprocessors

51. Which of the following is the appropriate definition of Information Technology ?

   (A) Information Technology refers to the use of hardware and software for processing information.

   (B) Information Technology refers to the use of hardware and software for distribution of useful information.

   (C) Information Technology refers to the use of principles of Physical Sciences and Social Sciences for processing of information of many kinds.

   (D) Information Technology refers to the use of hardware and software for storage, retrieval, processing and distributing information of many kinds.

52. The Third Generation Computer was made with ....

   (A) Vacuum tube

   (B) Discrete components

   (C) IC

   (D) Transistor

53. Which program can be used for e-mail ?

   (A) Internet Explorer

   (B) Outlook Express

   (C) NetMeeting

   (D) FrontPage

54. .... provides benefits in geo-fencing, map-making and surveying.

   (A) GPS

   (B) Smartphone

   (C) Dynamic model

   (D) None of the above

55. Through which device the main components of the computer communicate with each other ?

   (A) Keyboard

   (B) System Bus

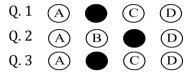   (C) Monitor

   (D) Memory

56. Which is a volatile memory ?

   (A) ROM

   (B) BIOS

   (C) PROM

   (D) RAM

57. .... model is commonly used to track tropical and mid latitude cyclones.

   (A) Climate

   (B) Dynamic

   (C) Statistical

   (D) None of the above

58. .... is used for scanning the pictures and putting them in digitized form in the computer.

   (A) CD-ROM

   (B) Plotter

   (C) Bar-coder

   (D) Scanner

59. Which statement is valid ?

   (A) 1 KB = 8 bytes

   (B) 1 MB = 8 KB

   (C) 1 KB = 1024 bytes

   (D) 1 MB = 1024 bytes

60. Magnetic tape unit is a ....

   (A) Direct access device

   (B) Sequential access device

   (C) Running access device

   (D) All of the above

4. Four alternative answers are mentioned for each question as—A, B, C & D in the booklet. The candidate has to choose the most correct/appropriate answer and mark the same in the OMR Answer-Sheet as per the direction :

Example :

Question :

Q. 1 Ⓐ ⬤ Ⓒ Ⓓ
Q. 2 Ⓐ Ⓑ ⬤ Ⓓ
Q. 3 Ⓐ ⬤ Ⓒ Ⓓ
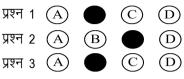
Illegible answers with cutting and over-writing or half filled circle will be cancelled.

5. Each question carries equal marks. Marks will be awarded according to the number of correct answers you have.

6. All answers are to be given on OMR Answer sheet only. Answers given anywhere other than the place specified in the answer sheet will not be considered valid.

7. Before writing anything on the OMR Answer Sheet, all the instructions given in it should be read carefully.

8. After the completion of the examination candidates should leave the examination hall only after providing their OMR Answer Sheet to the invigilator. Candidate can carry their Question Booklet.

9. There will be no negative marking.

10. Rough work, if any, should be done on the blank pages provided for the purpose in the booklet.

11. To bring and use of log-book, calculator, pager and cellular phone in examination hall is prohibited.

12. In case of any difference found in English and Hindi version of the question, the English version of the question will be held authentic.

Impt. : On opening the question booklet, first check that all the pages of the question booklet are printed properly. If there is ny discrepancy in the question Booklet, then after showing it to the invigilator, get another question Booklet of the same series.

4. प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार सम्भावित उत्तर— A, B, C एवं D हैं। परीक्षार्थी को उन चारों विकल्पों में से एक सबसे सही अथवा सबसे उपयुक्त उत्तर छाँटना है। उत्तर को OMR आन्सर-शीट में सम्बन्धित प्रश्न संख्या में निम्न प्रकार भरना है :

उदाहरण :

प्रश्न :

प्रश्न 1 Ⓐ ⬤ Ⓒ Ⓓ
प्रश्न 2 Ⓐ Ⓑ ⬤ Ⓓ
प्रश्न 3 Ⓐ ⬤ Ⓒ Ⓓ

अपठनीय उत्तर या ऐसे उत्तर जिन्हें काटा या बदला गया है, या गोले में आधा भरकर दिया गया, उन्हें निरस्त कर दिया जाएगा।

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

6. सभी उत्तर केवल ओ. एम. आर. उत्तर-पत्रक (OMR Answer Sheet) पर ही दिये जाने हैं। उत्तर-पत्रक में निर्धारित स्थान के अलावा अन्यत्र कहीं पर दिया गया उत्तर मान्य नहीं होगा।

7. ओ. एम. आर. उत्तर-पत्रक (OMR Answer Sheet) पर कुछ भी लिखने से पूर्व उसमें दिये गये सभी अनुदेशों को सावधानीपूर्वक पढ़ लिया जाये।

8. परीक्षा समाप्ति के उपरान्त परीक्षार्थी कक्ष निरीक्षक को अपनी OMR Answer Sheet उपलब्ध कराने के बाद ही परीक्षा कक्ष से प्रस्थान करें। परीक्षार्थी अपने साथ प्रश्न-पुस्तिका ले जा सकते हैं।

9. निगेटिव मार्किंग नहीं है।

10. कोई भी रफ कार्य, प्रश्न-पुस्तिका के अन्त में, रफ-कार्य के लिए दिए खाली पेज पर ही किया जाना चाहिए।

11. परीक्षा-कक्ष में लॉग-बुक, कैलकुलेटर, पेजर तथा सेल्युलर फोन ले जाना तथा उसका उपयोग करना वर्जित है।

12. प्रश्न के हिन्दी एवं अंग्रेजी रूपान्तरण में भिन्नता होने की दशा में प्रश्न का अंग्रेजी रूपान्तरण ही मान्य होगा।

महत्वपूर्ण : प्रश्नपुस्तिका खोलने पर प्रथमतः जाँच कर देख लें कि प्रश्न-पुस्तिका के सभी पृष्ठ भलीभाँति छपे हुए हैं। यदि प्रश्नपुस्तिका में कोई कमी हो, तो कक्षनिरीक्षक को दिखाकर उसी सिरीज की दूसरी प्रश्न-पुस्तिका प्राप्त कर लें।