

1

COMPUTER LANGUAGES AND NUMBER SYSTEM

Practice time

Page-12 (A)

1. Program.
2. Operating system.
3. Copy right.
4. Open- source.
5. Ubuntu.

(B)

1. Operating system.
2. Ms-windows.
3. Both A and B.
4. Both A and B.
5. Mac OS.
6. Rascal.
7. E-shopping.
8. Windows.
9. Wild card.

(C)

1. Operating system: It is system software when is used for management and coordination of activities and sharing of limited resources of the computer.
2. Types of operating system based on types of computers control are:
 - A. Single uses, single task operating system.
 - B. Single uses multi-tasking operating system.
 - C. Multi uses operating system.=Types of operating system based on licensing are:
 - A. Proprietary operating system.
 - B. Open source operating system.
3. Wild card: The system which are used to ease the process of searching when we don't know exactly what we are looking for but can almost guess examples of wild card supported in windows search.

(D)

1. The advantage of using proprietary operating systems are:
 - A. It has complete control over hand were its functionality.
 - B. It is tail OS mode so meet most of the requirements.
 - C. It has more features as compared to open source OS.
 - D. Customer support is available for public shooting.

- E. A single source for support, bug fixes, security fixes, or regular updates.
2. Five examples of common file extension are:
- A. .mpg= A MPEG video file.
 - B. .docx= file extension for all file of MS-word 2010 words.
 - C. .psd= extension to store images created by adobe Photoshop.
 - D. .pdf= portable document format, file extension of documents that has fixed layout regardless of operating system.
 - E. .mp3= file format used to store digital audio.
3. Advantage of multitasking are:
- A. Data can be copied or moved between programs.
 - B. Increases productivity as multiple programs can be executed at a time.
 - C. Any change or updates can be seen immediately EG: email notification.
- =Disadvantages of multitasking are:
- A. Needs more resources.
 - B. In case of laptop operating device, more power is consumed.

(E)

1. Open source OS available are- Linux, Mac OS, Ubuntu.
2. She should purchase latest version of windows is windows 10 and install it in her computer system.

2

SHORTING DATA AND CHART IN EXCEL

Practice time

Page-29 (A)

1. Sorting.
2. Validation.
3. Sparkline's.
4. Scatter.
5. Legend.

(B)

1. Sorting.
2. Goal seek.
3. Bar chart.
4. Gridlines.
5. Chart area.
6. Tally marks.
7. What if analysis.
8. Blue.
9. Stop.
10. Auto filter.

(C)

1. Chart: It is a visual representation of data in a worksheet to bring more understanding to the data than just looking at the number.
2. Validation: It defines the types of data that should be entered into a cell a presents pencilled data from being entered in Ms excel.
3. Sorting feature of Ms excel is used to arrange the data either number alphabets in Ascending or descending order.

(D)

1. The benefits of using charts in MS excel are:
 - A. Appealing and attractive way to display data.
 - B. Compact and quick to convey information.
 - C. Emphasize main points.
 - D. Long lasting effect.
2. Goal seeks: goal seek feature of MS-excel is used to determine what value needs to be in an input to get the desired result in formulas cell. It has 3 input parameters –formula in a cell, target/desired value and cells to change.
3. A.Sorting- sorting feature is used to arrange the data either in ascending or descending order.
 - B.Filtering- filtering is used to show the data based on certain conditions.

(E)

1.
 - A. Sorting.
 - B. Auto filter.
2. Column or bar chart.

3

FORMS, QUERIES AND REPORTS

Check your knowledge

Page -37 1. True. 2. True.

Practice time

Page-42 (A)

1. Multiple items.
2. Query.
3. Reports.
4. Form wizard.
5. Design.

(B)

1. Worksheet.
2. Layout view.
3. Two.
4. Queries.
5. Query.
6. Primary key.
7. Cannot.
8. Forms.
9. 2
10. Navigation.

(C)

1. Forms-They are the most flexible ways to view, edit and delete data from one or more table in MS access.
2. Query- they are used to extract information from one or more tables based on a set of search conditions.
3. Reports- They are the effective way of presenting data on a paper in a printed format as we have control over size appearance.

(D)

1. Advantages of using forms instead of tables are:
 - A. They are GUI based.
 - B. They use either a table or a query.
 - C. Addition, editing or delete is easy.
 - D. They ensure right data entered in right location and format.
2. Relationship: They are links that cannot a field of one table with the same field in another table. One such relationship can be obtained using primary keys.
3. Creating query using wizard:
 - A. It is quick.
 - B. It is GUI based and does not need an expert.

Design view:

- A. It takes time.
- B. It needs an expert knowledge.

(E)

1. Query.
2. Select * form table 1 where card="gold"

4

COMPUTER NETWORKING

Check your knowledge

Page-47 1. False. 2. False.

Practice time

Page-55 (A)

1. Wi-Fi.
2. Network.
3. Air.
4. Ring.
5. Snitches.

(B)

1. Least two.
2. Server.
3. Megahertz.
4. Nodes.
5. True topology.
6. Routers.
7. Network operation system.
8. Client/server.
9. Difficult communication.
10. Ran.

(C)

1. Two types of network configuration are:
 - A. Peer-to-peer network- It is used when less than 10 computers are involved and strict-security is not necessary.
 - B. Client/server- It's suitable for large computer network the centralized machine sends from server to client.
2. The components of computer networking are:
 - A. Server- The centralized machine.
 - B. Node- computer system connected to servers.
 - C. NIC- (Networking interface card) it allows computer to be a part of a network.
 - D. Hubs – it multiple connects, hubs ensure that right data reach to the destined computer.
 - E. NOS- network operating system.
 - F. LAN- Local area network.

(D)

1. Networking- connection two or more computers to each other results in forming a network.
EG: semi computers are connected to each other through a network.

2. Advantages of network:
 - A. File can be access from other places.
 - B. It promotes resource shorting.
 - C. It increases strange capacity.
 - D. It keeps the entire content at the centre (sense computer).
 - E. It is in expensive.

=Disadvantage of network:

- A. It can bring virus and malware to the system.
 - B. It can breach the security of system.
 - C. Network required an effective network administrator.
 - D. In a network, if a server fail entire network fails.
3. Topology: It is the layout of various components of a network. It decides the physical layout of computer and its resources for sharing data.

(E)

1. LAN.
2. Bluetooth or infrared ray.

5

TABLES AND FORMS IN HTML

Practice time

Page-67 (A)

1. Table.
2. `<td>`
3. Container.
4. Frame.
5. Five.

(B)

1. `<caption>`
2. TR.
3. Table.
4. Two adjacent.
5. Summery.
6. Five.
7. Both.
8. Frame.
9. Foot.
10. Rule.

(C)

1. The value of frame attribute of `<table>` tag to get the outer body only is border.
2. Tag used to divide the windows more than one is frame.
3. The attribute used to merge two or more rows of a table in an HTML documents is row spam or un-spam.

(D)

1. Table: It helps to represent data in structured name using rows and columns.
2. Description list: It helps to contain the detailed information of the term defined in `<dt>` tag.
3. A.Cell spacing: It specifies the space between two indecent cells.
B.Cell padding: It specifies the space between edge of a cell and its content.

(E)

1. Background.
2. Frame tag.
3. Frame tag.

6

PROGRAMMING IN PYTHON

Practice time

Page-81 (A)

1. Object oriented.
2. .py
3. Conditional or decision.
4. +
5. *

(B)

1. All of these.
2. Arguments.
3. If else.
4. Def.
5. Top to bottom.
6. []
7. Keys.
8. Immutable.
9. Both.

(c)

1. Python: It is a high level programming language which is converted into machine language using an interpreter.

Benefits of python:

A. It is used to develop.

B. It is interpreted language so easy to understand.

2. Python is encrypted because it is translated step by step into machine language this is done by an application interpreter.

3. Python program to convert binary to decimal:

```
B-num= ust ("input a binary numbers")
```

```
Value=0
```

```
In range (Len b-num)
```

```
Digit= b-num.pop ()
```

```
If digit='1'
```

```
Value=value+ pow (2, i)
```

```
Print (the decimal value of the number is "value").
```

(D)

	List	Tuple
1.	A. It is a sequence of values.	A. They are also sequence of values.

B. The values in list are called elements items or numbers.	B. The index value of tuple start with 0.
C. They are mutable.	C. They are immutable.

2. The built in type provides functions which programmer can develop or used to make either charts or reports.
3. "wap to find sum of two distances with and inches.
 - A. `d-ft=int(input("enter distance in feet"))`
 - B. `d-inches= d-ft*12`
 - C. `d-yards=d-ft/3.0`
 - D. `Print (The distance in inches is %inches %d-inches)`
 - E. `Print (The distance in yards is %0.2f+%d-yards)`
4. "wap to find sum of digits of a given no:
 - A. `Num= int(input(enter a number))`
 - B. `Result=0`
 - C. `While(num>0):`
 - D. `Rem=num%10`
 - E. `Result=rem+result`
 - F. `Num=int(num/10)`
 - G. `Prints ("sum of all digits is "result)`

7

ARTIFICIAL INTELLIGENCE

Practice time

Page-87 (A)

1. Multitasking.
2. Machines.
3. Humans.
4. Robotics.
5. AI.

(B)

1. Perl.
2. Both A and B.
3. Both A and B.
4. AI.
5. Cemented buildings.
6. Both A and B.
7. Program.
8. Application of AI.
9. Human dignity.
10. Robotics.

(C)

1. AI is a booming technology of computer science which means manmade thinking power. It can create machine with thinking ability.
2. AI is useful to us in following ways:
 - A. Tag friends in photo uploaded to Facebook.
 - B. Categorizing mail by Gmail as important.
 - C. Use of Siri and Alexa personal assistants.
3. We can develop AI using following steps:
 - A. Identify the problem.
 - B. Prepare the data.
 - C. Use the algorithm.
 - D. Train the algorithm.
 - E. Choose a particular programming language.
 - F. Run on a selected platform.

(D)

1. The common uses of AI are:
 - A. Speech recognition by policy.
 - B. Handwriting recognition by policy.
 - C. Input- picture of criminals using vision system.

2. Three application of AI are:
 - A. Expert system- application which integrate machine and special information to impact reason and advising.
 - B. Intelligent robots- They perform tasks given by human.
 - C. Games- It is used to developed games like chess, poker etc.
3. Robotics: It a branch of AI composed of electrical mechanical and computer energy for designing, construction and application of robots.
4. Threats from AI are:
 - A. Threats to privacy- AI programs can understand natural language and conservations.
 - B. Threats to human dignity- AI system can replace humans holding dignified positions.
 - C. Threats to shopping- AI programs can lead to difficulty in shopping system from achieving their styptic.

1

COMPUTER LANGUAGES AND NUMBER SYSTEM

ADDITIONAL QUESTION

Practice time

Page-12 (A)

1. _____ is a lines based three operating system.

(B)

1. Operating system developed by apple.
 - A. Ubuntu.
 - B. Mac OS.
 - C. Android.
 - D. 'R' in 12 to 5 stands for.
 - E. Ready.
 - F. Resourceful.
 - G. Real.
2. Single uses, single task operating system is _____ .
 - A. Palm OS.
 - B. Hand OS.
 - C. Single OS.
3. _____ is not a job of an operating system.
 - A. Error detection.
 - B. System protection.
 - C. E-shopping.
4. _____ is not an open source operating system.
 - A. Ubuntu.
 - B. Linux.
 - C. Windows.
5. _____ symbols used for guessing while searching are.
 - A. Wild card.
 - B. Data card.
 - C. Sound card.

2

SHORTING DATA AND CHART IN EXCEL

ADDITIONAL QUESTION

Practice time

page-27 (A)

1. A _____ chart is used to find a relationship between variable handy.
2. _____ helps us to show the different between two categorise within the helps of colours and patterns.

_____ helps to quickly understand the value or percentages of the data without looking at exact values.

(B)

1. _____ this includes all the objects and elements in a chart.
 - A. Chart area.
 - B. Plot area.
 - C. Print area.
2. Which of the following is following is not a excel chart types.
 - A. Pedal.
 - B. Doughnut.
 - C. Tally mark.
3. Goal seek is located in _____ button.
 - A. What if analysis.
 - B. Legend.
 - C. Track changes.
4. When track changes is on and you edit a cell which bottom triangle indicate that changes have made into the cell.
 - A. Yellow.
 - B. Green.
 - C. Blue.
5. _____ validation has two button percentage cell.
 - A. Warning.

B. Stop.

C. Information.

6. _____ allows a user to filter numbers, text or dates in a list according to a set criteria.

A. Sorting.

B. Auto filter.

C. Track usages.

3

FORMS, QUERIES AND REPORTS

ADDITIONAL QUESTION

Practice time

(A)

1. _____ speeds up the process of creating a form.
2. Queries can be created using scratch in _____ view.

(B)

1. _____ allows to pull information from one or more tables based on a set of search conditions.
 - A. Themes.
 - B. Queries.
 - C. Forms.
2. Which of the following is not a component of a report?
 - A. Summery.
 - B. Footer element.
 - C. Query.
3. This feature is used to establish a relationship between the tables through common field.
 - A. Query.
 - B. Primary key.
 - C. Themes.
4. We _____ run a query without saving it.
 - A. Cannot.
 - B. Can.
 - C. Not sure.
5. _____ are most flexible ways to view edit and delete data in tables.
 - A. Summery.
 - B. Forms.
 - C. Reports.

6. In split form, some data is displayed in _____ views simultaneously.
 - A. 1
 - B. 2
 - C. 3
7. After saving a form, it can be reviewed in _____ panel.
 - A. Navigation.
 - B. Task.
 - C. Wizard.

4

COMPUTER NETWORKING

ADDITIONAL QUESTION

Practice time

page-55 (A)

1. The transmission of data in _____ topology is unidirectional.
2. _____ are smart jobs.

(B)

1. A topology having root node and other nodes connection in a hierarchy is called.
 - A. Tree topology.
 - B. Mesh topology.
 - C. Ring topology.
2. Device having wireless antenna to receive radio signals.
 - A. Wireless network.
 - B. Routers.
 - C. NIC'S.
3. Nos stands for _____.
 - A. Network operating.
 - B. No operating system.
 - C. New operating system.
4. _____ network are best suitable for large networks.
 - A. Pee to pee.
 - B. Local area.
 - C. Client/server.
5. _____ is not an advantage of a network.
 - A. High storage.
 - B. Difficult communication.
 - C. Flexibility.
6. _____ is not a type of network.

- A. Man.
- B. Ran.
- C. Pan.

5

TABLES AND FORMS IN HTML

ADDITIONAL QUESTION

Practice time

(A)

1. The _____ attribute specifies the part of table border to be visible.
2. Rules attribute can have _____ types of values to specify rules.

(B)

1. Cell spacing is the space between _____.
 - A. Two adjacent.
 - B. Edge of cell and its contents.
 - C. Cells of MS excel.
2. _____ attribute provides extra information about table and its contents.
 - A. Frame.
 - B. Summary.
 - C. Rule.
3. The attribute which specifies no of rows a cell should span is.
 - A. Row span.
 - B. Col span.
 - C. Cell span.
4. The feature used to merge the data cell are.
 - A. Row span.
 - B. Cell span.
 - C. Both.
5. ___ divides the web page into separate windows with both vertical and horizontal scroll bars.
 - A. Frame.
 - B. Rule.
 - C. Row span.
6. A table can be divided into head, a body and.
 - A. Foot.

- B. Rule.
 - C. Cell headed.
7. Which one out of the following is not a values of frame attribute.
- A. Above.
 - B. Void.
 - C. Rule.

6

PROGRAMMING IN PYTHON

ADDITIONAL QUESTION

Practice time

(A)

1. _____ is used for concatenation of two list.
2. _____ is used for repeating the list a given number of times.

(B)

1. _____ are values provided in function call/invoke statement.
 - A. Arguments.
 - B. Parameters.
 - C. Both.
2. Which among the following is not an inactive statement?
 - A. While.
 - B. For.
 - C. If else.
3. The keyword used to define a user defined function is.
 - A. Define.
 - B. Def.
 - C. Fun.
4. The flow of execution of python language is.
 - A. Top to bottom.
 - B. Bottom to top.
 - C. Left to right.
5. A list in python is represented using.
 - A. { }
 - B. []
 - C. ()
6. In dictionaries, index value can be any other data type called _____.
 - A. Keys.
 - B. Index.
 - C. Value.

7. In python, tuples are _____.
 - A. Mutable.
 - B. Immutable.
 - C. Either of them.
8. Source operation work on _____.
 - A. Tuples.
 - B. Lists.
 - C. Both.

7

ARTIFICIAL INTELLIGENCE

ADDITIONAL QUESTION

Practice time

(A)

1. _____ is a branch of AI.
2. Man made thinking power is s_____.

(B)

1. Gmail in boxes our mail according and label them an important due to.
A. AI.
B. Programming.
C. Robotics.
2. Which one is not an application on of AI?
A. Vision system.
B. Commented buildings.
C. Hand writing recognition.
3. Robotics composed of _____ engineering along with computer science.
A. Electrical.
B. Mathematical.
C. Both A and B.
4. In robotics _____ determined what, and how a robot should do something.
A. Program.
B. AI.
C. Science.
5. Introduction on with computer that understand natural language spoken by human is.
A. Application of AI.
B. Robotics.
C. AI ethics.
6. Replacing human using robotics is a threat to
A. Human safety.

- B. Human dignity.
 - C. Human privacy.
7. _____ have electrical components which power & control the machinery.
- A. Robotics.
 - B. AI ethics.
 - C. AI.