

Name:

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WORKSHEET

1

COMPUTER NETWORKING

Chapter-1

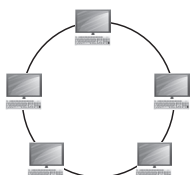
A. Circle the correct option.

1. The process of connecting/separating computers and peripheral devices with each other, so that they can exchange data is called computer networking.
2. A server/client is also called as host computer.
3. LAN/WAN is a digital communication system that interconnects a larger number of computers and other peripheral devices within a radius of less than 1 km.
4. In Ring/Star topology, all the nodes are connected in a circular path.
5. Protocol/Bluetooth is a set of rules that governs the communication between the computers on a network.

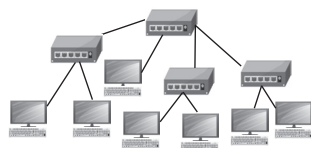
B. Complete the sentences.

1. Modem stands for MODULATOR
2. Networking cable is also known as
3. The computer which stores and provides the access to a database is called a
4. The computer which performs a specific task is called the
5. The total diameter of LAN is not more than

C. Name the type of topology used in below images.



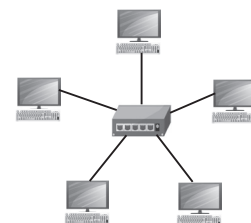
.....



.....



.....



.....

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WORKSHEET

2

COMPUTER NETWORKING

Chapter-1

A. Define the following:

1. Modem -
2. Hub -
3. Computer Network -

B. Tick (✓) the correct option.

1. Which networking device can convert the digital data into analog signal and vice versa?
 - a. Hub
 - b. Modem
 - c. Router
 - d. LAN Card
2. Which of these is not a protocol?
 - a. HTTP
 - b. HTTPS
 - c. FTP
 - d. HTML
3. Which of these is the Internet standard protocol that allows e-mail clients to retrieve e-mail messages from an e-mail server?
 - a. HTTP
 - b. FTP
 - c. POP3
 - d. None of these
4. SMTP stands for
 - a. Simple Mail Transfer Protocol
 - b. Simple Message Transfer Protocol
 - c. Sample Message Transfer Protocol
 - d. All of these
5. Which of the following is a wireless communication technology?
 - a. Bluetooth
 - b. Wi-Fi
 - c. Both a and b
 - d. None of these

C. Write the full form of the following:

1. HTTP -
2. MAN -
3. NIC -

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WORKSHEET

1

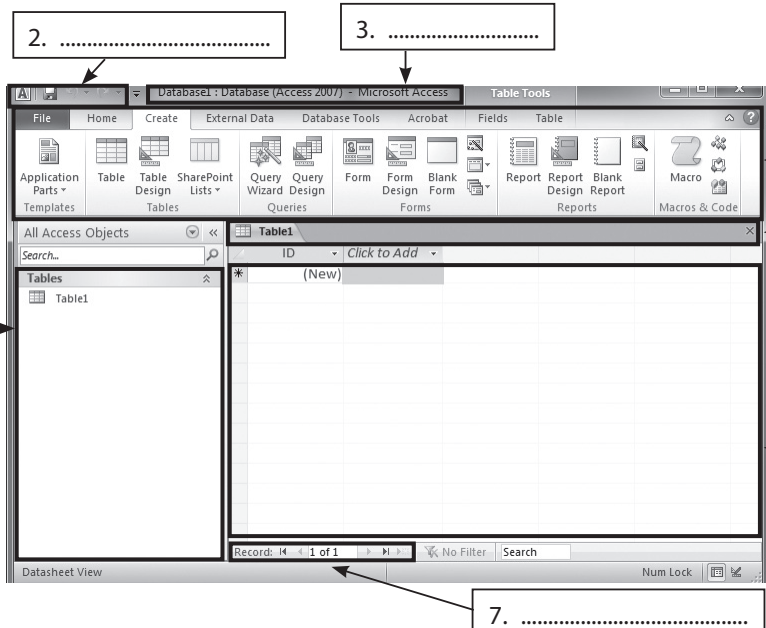
INTRODUCTION TO MS ACCESS 2010

Chapter-2

A. Read the clues and answers the following.

1. It is a type of database that contains records having small number of fields without any structured relationship between them.
2. It is a type of database that stores data in several tables and links those tables together to get a common piece of information.
3. He gave a set of thirteen rules (Codd's rules) to define a Relational Database Management System.
4. It is a group of related data organised in columns and rows in a database.
.....
5. It is a unique field by which the records are uniquely identified in a table.
.....

B. Label the following:



The screenshot shows the Microsoft Access 2010 interface. The following labels point to specific components:

- 1. Points to the **Navigation Pane** (left sidebar).
- 2. Points to the **File** tab in the ribbon.
- 3. Points to the **Table Tools** ribbon.
- 4. Points to the **Table** ribbon.
- 5. Points to the **Table1** table in the **Table Tools** ribbon.
- 6. Points to the **Datasheet View** of the table.
- 7. Points to the **Record** bar at the bottom of the table.

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WORKSHEET**2****INTRODUCTION TO
MS ACCESS 2010****Chapter-2****A. Define the following:**

1. MS Access -
.....
2. Report -
.....
3. Query-
.....

B. Tick (✓) the correct option.

1. Which of the following is not a MS Access object?
a. Query b. Report c. Form d. Database
2. Which of the following is the correct ways to start MS Access 2010?
a. Start → All Programs → Microsoft Office → Microsoft Access 2007
b. Start → All Programs → Microsoft Access 2010 → Microsoft Office
c. Start → All Programs → Microsoft Office → Microsoft Access 2010
d. None of these
3. buttons helps in navigating through the records.
a. Navigation b. Control c. Object d. Database
4. Which of the following data types is used to store the links to web pages, websites, files, etc.?
a. Number b. Memo c. Object d. Hyperlink
5. Which of the following ways is used to create a table in MS Access?
a. Design View b. Datasheet View c. Templates d. All of these

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WORKSHEET

1

MORE ON MS ACCESS 2010

Chapter-3

A. Circle the correct option.

1. Form/ Design View is used to enter, edit and view data.
2. Relationship/Select Query retrieves data from one or more tables.
3. Oracle/SQL is a computer language for relational database and data manipulation which is used to insert, update and modify data.
4. Criteria/ Sort displays the condition on the basis of which the records will be filtered and displayed in the query output.

B. Read the clues and answers the following.

1. It is used to set multiple conditions in a query.
.....
2. It displays the name of the existing tables in the relationship window.
.....
3. It is the first row of the design grid that displays the selected field names from the table.
.....
4. It is a column in one table that must match the Primary Key of another table.
.....
5. It is a query that uses a row headings and column headings so that you can see your data in terms of two categories at once.
.....

C. Write the names of three views in which a form can be displayed.

1.
2.
3.

WORKSHEET

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WORKSHEET

2

MORE ON MS ACCESS 2010

Chapter-3

A. Define the following:

1. Parameter Query -
.....
2. Foreign Key -
.....
3. SQL -
.....

B. Tick (✓) the correct option.

1. are the links that associate a field in one table with the same field in another table.
a. Structures b. Binding c. Relationships d. Printing
2. SQL stands for
a. Structured Query Language b. Structured Question Language
c. Both a and b d. None of these
3. Which of the following is a type of query in MS Access?
a. Select Query b. Parameter Query c. Action Query d. All of these

C. Write 'T' for true and 'F' for false. Correct the false statements.

1. Sort parameter displays the name of the existing tables in the relationship window.
.....
2. We can run the query by clicking on the Report button.
.....
3. Split Form form type is useful in creating navigational menu systems.
.....

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WORKSHEET

1

LISTS AND TABLES IN HTML

Chapter-4

A. Circle the correct option.

1. An unordered list is also called bulleted/numbered list.
2. The / tag is used to define an unordered lists.
3. A list is a collection of related/different items.
4. The default bullet style is Disc/Square in HTML.
5. The <TR>/<TD> tag is used for defining table rows in HTML.

B. Read the clues and answers the following.

1. It is a combination of rows and columns in HTML.

.....

2. It is a tag used for defining the title of a table.

.....

3. It is an attribute used to give color to the border of the table.

.....

4. It is a tag used to define an item in the list.

.....

5. It is tag used for defining table headings.

.....

C. Identify the type of lists and write their names:

1. Apple
2. Mango
3. Orange
4. Banana

- Sweaters
- Caps
- Gloves
- Jackets

1. Beverages
 - Cold Drinks
2. Cappuccino
 - Hot Drinks

.....

.....

.....

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WORKSHEET**2****LISTS AND TABLES IN HTML****Chapter-4****A. Write the full form of the following:**

1. <TR> -
2. <DT> -
3. <DL> -

B. Tick (✓) the correct option.

1. The tag which allows the user to insert a table in a web page.
a. b. <TABLE> c. <A> d.
2. Which of the following is incorrect?
a. <OL TYPE ="A"> - will start the list from Z.
b. <OL TYPE ="a" START="4"> - will start the list from d.
c. <OL TYPE ="1" START="25"> - will start the list from 25.
d. <OL TYPE ="I" START="II"> - will start the list from II.
3. Which of these is not an attribute of the <TABLE> tag?
a. BORDER b. FRAMES c. BGCOLOR d. SRC
4. Identify the incorrect statement from the following:
a. "justify" – stretches the content so that each character has equal width.
b. "center" –aligns text to the center of the cell.
c. "left" – aligns text to the left edge of the cell.
d. None of these
5. The attribute is used to give color to the border of the table.
a. BORDERCOLOR b. BGCOLOR c. COLOR d. All of these
6. Which of the following attributes is used to align the position of text in the cell vertically?
a. ALIGN b. VALIGN c. CELLPADDING d. CELLSPACING

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WORKSHEET

1

MORE ON HTML

Chapter-5

A. Circle the correct option.

1. HTML allows you to insert images inside the web pages through the /<IMAGE> tag.
2. The ALT/SRC attribute specifies the source or URL of the image that has to be inserted in the web page.
3. HTML allows/ does not you to move your objects left, right, up, and down.
4. We can/cannot move images from left to right on a HTML web page.
5. Hyperlink text is generally seen in blue/green color.

B. Read the clues and answers the following.

1. It is an attribute that indicates the speed of the moving object.
.....
2. It is an attribute that allows you to set the direction in which the object will move.
.....
3. It is a tag used for creating links, that is, hyperlinking in HTML web pages.
.....
4. It is an attribute that specifies the thickness of the border surrounding the image.
.....
5. It is an attribute that have three values, which are SLIDE, SCROLL and ALTERNATE.
.....

C. Write the HTML code to create a Web page that has an image "lily.jpg" on the right side.

.....

.....

.....

.....

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WORKSHEET**2****MORE ON HTML****Chapter-5****A. Write the tag to:**

1. Move an object or text on the Web page.

.....

2. Insert an image on the Web page.

.....

3. Create a hyperlink.

.....

4. Divide a browser window into many sections.

.....

B. Tick (✓) the correct option.

1. Which attribute specifies the alternate text to be displayed in the web browser, if the provided image is not found?

a. SRC b. ALT c. ALTERNATE d. Noneofthese

2. Which of the following attributes of the <FRAMESET> tag is used to divide the window into vertical frames?

a. SRC b. ROWS c. COLS d. FRAMES

3. To create a hyperlink to an email, which of the following options is used with the email address of the recipient.

a. MAILTO b. MAIL c. Both a and b d. Noneofthese

4. Which of the following attributes is used with the HREF attribute to create internal linking?

a. ALINK b. VLINK c. NAME d. LINK

5. Which of the following values is not used with the DIRECTION attribute of the <MARQUEE> tag?

a. LEFT b. RIGHT c. DOWN d. TOP

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WORKSHEET

1

MORE ON PHOTOSHOP CS6

Chapter-6




A. Circle the correct option.

1. Retouching/Correction tools are used to remove or add some features to the image.
2. Clone Stamp/Healing Brush Tool is used to duplicate a part of an image.
3. Pattern Stamp/Blur Tool is used to give attractive textures and backgrounds to the image.
4. We can/cannot create a new layer in Photoshop.
5. Spot Healing Brush/ Sharpen Tool is used to repair dark spots, scratches, etc. from the image.

B. Read the clues and answers the following.

1. It is a tool used to sharpen the image.
.....
2. It is a tool used to blur the background of an image.
.....
3. These are transparent sheets containing objects which are stacked on top of each other.
.....
4. It is a shortcut key used to select the Spot Healing Brush Tool.
.....
5. It is a bar from where you can select the brush size and hardness.
.....

C. Name the following tools of Photoshop:

1. 
2. 
3. 

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WORKSHEET

2

MORE ON PHOTOSHOP CS6

Chapter-6

A. Fill in the blanks.

1. Tool helps you to sharpen images to improve their quality.
2. You can create a new layer by pressing keys.
3. are transparent sheets.
4. Tool is used to duplicate a part of an image.

B. Tick (✓) the correct option.

1. Which of these tools is used to repair dark spots on the image?
 - a. Text Tool
 - b. Spot Healing Brush Tool
 - c. Brush Tool
 - d. Rectangle Tool
2. Pattern Stamp Tool is a hidden tool under tool.
 - a. Blur Tool
 - b. Sharpen Tool
 - c. Clone Stamp Tool
 - d. None of these
3. To create a new layer, click on the Create a new layer button at the bottom of the panel.
 - a. Layers
 - b. Options bar
 - c. Both a and b
 - d. None of these
4. The Tool is used to give attractive textures and backgrounds to the image.
 - a. Blur
 - b. Layer
 - c. Sharpen
 - d. Pattern Stamp

C. Write a short note on the following:

1. Retouching Tools -
2. Correction Tools -

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Date:

WORKSHEET

1

INTERNET SERVICES AND CYBER CRIME

Chapter-7

A. Circle the correct option.

1. E-mail stands for electronic/electric mail.
2. The first VoIP service was developed in 1973/1963 by Danny Cohen.
3. In online community, newsgroup is the title given to a news/discussion group.
4. One of the popular websites which allow you to create blogs is Gmail/Wordpress.

B. Read the clues and answers the following.

1. It is also known as Diary of Events.
.....
2. It is just like a paper greeting card.
.....
3. It is a service where the users are able to store and manage data on remote server in place of their local computer.
.....
4. It is a criminal activity in which computers are used to do crime.
.....
5. It is a technique of watching the person while talking to him.
.....

C. Write one example of each of the following:

1. Cloud Storage Service -
2. E-Greetings Website -
3. Blogging Website -
4. Cybercrime -

WORKSHEET

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WORKSHEET**2****INTERNET SERVICES AND
CYBER CRIME****Chapter-7****A. Fill in the blanks.**

1. is a service where the users are able to store and manage data on remote server in place of their local computer.
2. The process of protecting computer resources such as networks, devices, programs, and data from unauthorised access is called
3. VoIP stands for
4. refers to a communication in the form of small messages among the computers over the Internet.

B. Tick (✓) the correct option.

1. Which of the following is not an online chatting program for computers?
a. Google Talk b. Yahoo Messenger c. LiveChat d. Wordpress
2. Which of the following is not an example of the Cloud Storage Service?
a. SkyDrive b. Dropbox c. Google Drive d. Pen Drive
3. Gmail is an example of a/an
a. E-mail Service Provider b. Cloud Storage Service
c. Blogging Website d. None of these
4. The keeps a check on the comments of participants in a newsgroup.
a. System Admin b. News Admin c. Computer d. All of these
5. Which of the following is not a social networking website?
a. Facebook b. Twitter c. Instagram d. None of these
6. Which of the following is a communication service?
a. E-mail b. Chatting
c. Video Conferencing d. All of these

Name:

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WORKSHEET

1

CONTROL STRUCTURES IN PYTHON

Chapter-8

A. Circle the correct option.

1. The input()/print() function is used to take the input from the user during execution.
2. The int()/integer() function is used to convert the input value into integer.
3. The string()/print() function automatically converts the provided items into string.
4. The input()/print() function without any value or expression prints a blank line.

B. Read the clues and answers the following.

1. It is the most basic conditional statement in Python that allows you to test a condition before executing the statements.
.....
2. It is a type of statements that allows us to repeat a set of instructions a given number of times.
.....
3. It is a loop in Python to repeat a set of statements a definite number of times.
.....
4. It skips rest of the statements in the loop and jumps over to the statement following the loop.
.....
5. It forces the next iteration of the loop to take place and skips the current iteration.
.....

C. Write one example of each of the following:

1. Conditional Statement -
2. Looping Statement -
3. Jumping Statement -

Name:

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WORKSHEET**2****CONTROL STRUCTURES IN PYTHON****Chapter-8****A. Fill in the blanks.**

1. The and functions are used to take input from the user during execution and to print the output on the screen respectively..
2. The statement helps us to test multiple conditions and execute one out of the multiple blocks of statements.
3. If $x = 10$, then the code $\text{if } x \% 2 == 0$: will return

B. Tick (✓) the correct option.

1. Which of the following is an example of the conditional statement?
a. if b. if...else c. if...elif...else d. All of these

2. What will be the output of the following code?

```
A = 20              B = 30              C = 40
```

```
print(A+B-C)
```

- a. 10 b. 20 c. 50 d. 0
3. Which of the following is not a looping statement?
a. for b. continue c. while d. All of these
4. Which of the following is jumping statement?
a. continue b. break c. for d. All of these
5. What will be the output of the following code?

```
for x in [10, 20]:
```

```
    if(x==10):
```

```
        print(x)
```

- a. 10 b. 20
- c. Error d. Nothing will print
6. Find the output of the following code:

```
for x in [10, 15, 20, 25]:
```

```
    if(x == 20):
```

```
        break:
```

```
    print("the value of x is", x)
```

- a. Incorrect syntax of break statement b. No Error
- c. incorrect syntax of for loop d. None of these

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WORKSHEET

1

ARTIFICIAL INTELLIGENCE

Chapter-9

A. Circle the correct option.

1. The gestation of Artificial Intelligence started in 1950/1951.
2. Alan Turing/ John McCarthy is called the father of computer science & Artificial Intelligence.
3. Machine/Deep Learning is a subset of AI that includes abstruse statistical techniques which enables machines to improve at tasks with experience.
4. Machine vision/translation is used to capture and analyse visual information using a camera, analog to digital conversion and digital signal processing.

B. Read the clues and answers the following.

1. It is a core subject area of Artificial Intelligence.
.....
2. It is used for translating one language to another.
.....
3. It is an area where computer science and engineering emphasise on creation of intelligent systems that can work and react like humans.
.....
4. It is also known as narrow AI.
.....

C. Write a short note on the following:

1. Deep Learning -
.....
2. Weak Artificial Intelligence Hypothesis -
.....
3. Strong Artificial Intelligence Hypothesis -
.....

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WORKSHEET**2****ARTIFICIAL INTELLIGENCE****Chapter-9****A. Fill in the blanks.**

1. is called the father of computer science & Artificial Intelligence.
2. Ultimate goal of Artificial Intelligence (AI) is to emulate the capabilities of the
3. first coined the term "Artificial Intelligence".
4. is an area where computer science and engineering emphasise on creation of intelligent systems that can work and react like humans.

B. Tick the correct option.

1. Which of the following is a subset of Artificial Intelligence?
a. Machine learning b. Deepest Learning c. Both a and b d. None of these
2. Artificial Intelligence is being successfully implemented in
a. Robotics b. Machine vision c. Machine learning d. All of these
3. The earliest successful Artificial Intelligence program was written in by Christopher Strachey.
a. 1952 b. 1951 c. 1961 d. 1971
4. The weak AI is also known as AI.
a. narrow b. strong c. Both a and b d. None of these
5. The assertion that machines that do so strong AI are actually thinking (not just simulating thinking) is called the AI hypothesis.
a. Stronger b. Weak c. Strong d. Weaker
6. first coined the term "Artificial Intelligence" in 1956
a. John McCarthy b. Alan Turing
c. Christopher Strachey d. None of these

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WORKSHEET

1

ROBOTICS

Chapter-10

A. Circle the correct option.

1. A robot is a machine which works like a plant/human.
2. Human/Robot works according to the programmed instructions.
3. The term robot/robotics was coined by Karel Capek.
4. Service/Industrial robots include domestic robots that clean the carpet or cut grass in the garden and move on their own.

B. Read the clues and answers the following.

1. These robots are mainly used in manufacturing industries such as automotive industries.
.....
2. It is the engineering science and technology of robots, their designing, manufacturing and application.
.....
3. It is used as an operating system in mobile devices.
.....
4. It is a robot that monitored the volcanic activity of Alaska's Mount Spurr in the year 1994.
.....

C. Write a short note on the following:

1. Mechatronics -
.....
2. Android -
.....

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WORKSHEET**2****ROBOTICS****Chapter-10****A. Fill in the blanks.**

1. The field of mechanics and electronics together have given rise to a new emerging sector called.....
2. also refers to a mobile operating system (OS) based on Linux.
3. A robot developed in can attack on insects.
4. are made up of a vast variety of electronic components, sensors, servo motors, flexible axis devices, chips and microprocessors.
5. IC stands for

B. Tick (✓) the correct option.

1. Which of the following is a type of Robot?
a. Service b. Industrial c. Both a and b d. None of these
2. The word robot comes from the Slavic word
a. Robota b. Machine c. Robotics d. None of these
3. The term robotics was first used in print by..... in his science fiction short story 'Liar' published in May 1941.
a. Robert Gill b. Karel Capek c. Issac Asimov d. John McCarthy
4. Robotics has paved the way for computers associating closely with brains.
a. Human b. Animal c. Both a and b d. None of these
5. robots include domestic robots that clean the carpet or cut grass in the garden and move on their own.
a. Industrial b. Service c. Strong d. Weak
6. Robots are machines which work like
a. Humans b. Plants c. Mobiles d. None of these