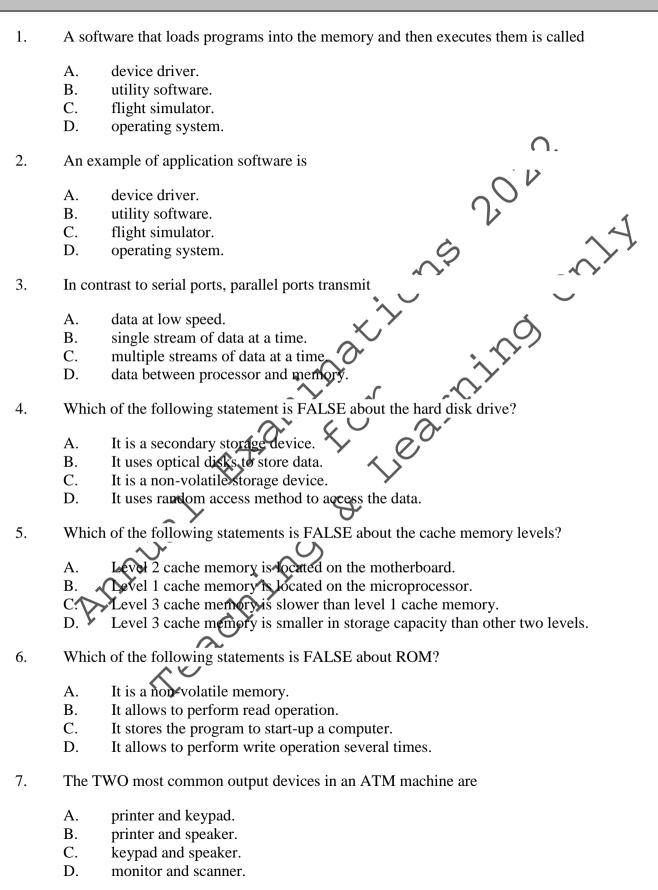


- 6. If you want to change your answer, ERASE the first answer completely with a rubber, before blacking out a new circle.
- 7. DO NOT write anything in the answer grid. The computer only records what is in the circles.
- 8. The marks obtained on the 40 MCQs will be equated to the total marks of 65 for the theory examination results.
- 9. You may use a simple calculator if you wish.

Page 2 of 16

THEORY (Questions 1-40)



Page 3 of 16

10.

8. A CPU contains all of the following components EXCEPT

- A. registers.
- Β. input unit.
- C. control unit.
- arithmetic logic unit. D.
- 9. A device is used to check whether meat is cooked from inside or not. The MOST appropriate sensor used in this device could be a
 - A. gas sensor.
 - Β. pressure sensor.
 - C. moisture sensor.
 - D. temperature sensor.



Two essential devices to make a video call are

- A. webcam and printer.
- В. monitor and scanner.
- C. headphone and scanner.
- webcam and headphones. D.
- 11. Sara has distributed brochures of her home-based business

Three of the essential devices that should be used in developing softcopy and obtaining hardcopy of these brochures are

- mouse, keyboard and printer, A.
- mouse, speaker and monitor. Β.
- C. webcam, monitor and mouse.
- printer, keyboard and headphones. D.
 - イン
- 12. A device which is used to capture the product information is
 - Å. monitor.
 - B. light pen.
 - C. barcode reader.
 - magnetic ink character reader. D.
- 13. The CORRECT pair of a device and its characteristic is

	Device	Characteristic
А	Digital Camera	Adjusting Resolution
В	Joystick	Pointing Device in Laptop
С	Barcode Reader	Checking Originality of Cheques
D	Magnetic Ink Character Reader	Capturing Product Information

Page 4 of 16

14. A signal that causes data transfer from main memory to a CPU register is sent from

- A. input unit.
- B. output unit.
- C. control unit.
- D. arithmetic logic unit.
- 15. Fatima has a handwritten document. She wants to convert the document into editable form in the computer system.

An input device that she should use for this purpose is a/ an

- A. barcode reader.
- B. optical mark reader.
- C. magnetic ink character reader.
- D. optical character reader.

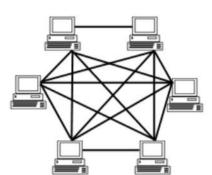
16. A system needs to automatically unlock the main door in a house during the day and lock it at night. The MOST suitable sensor to be used in this system is

- A. light sensor.
- B. pressure sensor.
- C. moisture sensor.
- D. temperature sensor.
- 17. Which of the following statements is TRUE about star topology?
 - A. Detection of fault is difficult
 - B. Easiest network topology to set up
 - C. Lowest cost topology to implement due to short cable length
 - D. Failure of one computer does not stop the functioning of the entire network
- 18. Which of the following is FALSE about peer-to-peer networks?

 - A. A. A. Provides centralised security.
 - B. It can be expanded up to thousands of computers.
 - C. V It is generally used for long distance communication.
 - D. These networks are considered as wide area networks.
- 19. A type of communication technology that provides the LOWEST internet connection speed is a/ an
 - A. dial-up line.
 - B. digital subscriber line.
 - C. code division multiple access.
 - D. integrated services digital network.

Page 5 of 16

20. Consider the given image.



The type of topology shown in this image is

- A. bus.
- B. star.
- C. ring.
- D. mesh.

21. In contrast to bus topology, the mesh topology

- A. is difficult to implement.
- provides ease in adding new computers. B.
- uses less cable to connect computers together C.
- D. halts the entire network if any of the computer's stops working.

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22. A topology which is MOST expensive among other topologies is

- A. bus.
- Β. star.
- C. ring D. mesh
- 23. In contrast to star topology, the ring topology
 - Ά.
 - makes it difficult to detect faults.
 - B. requires more cables for its implementation.
 - C. makes it was to connect new devices to the network.
 - D. ensures that failure of one computer does not stop the functioning of the entire network.
- 24. The purpose of using terminators in the bus topology is to
 - A. increase the data rate of the medium.
 - B. stop signals reaching to unauthorised users.
 - C. stop signals from bouncing back to the medium.
 - D. decrease the chances of signals from getting corrupt.

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Page 6 of 16

- 25. A type of network that has the LOWEST data rate when data is transmitted on longer distances is
 - A. LAN.
 - B. MAN.
 - C. PAN.
 - D. WAN.
- 26. The two types of networks in which the transmission medium is owned by the user are
 - I. PAN
 - II. WAN
 - III. LAN
 - IV. MAN
 - A. I and III.
 - B. I and IV.
 - C. II and IV.
 - D. II and III.

27. In contrast to client-server network, a peer-to-peer network

- I. focuses on sharing the information
- II. uses centralised server to store data
- III. is less stable if number of computers increases
- IV. allows each node to request and respond for the services
- A. I and II.
- B. I and III.
- C. II and IV
- D. III and IX.

28. A type of communication via telephone network that gives a speed of around 256 Kbps is a/ an

- A. **dial**-up line.
- B: digital subscriber fine.
- C. code division multiple access.
- D. integrated services digital network.
- 29. Two of the tags that are related to tables in HTML are
 - A. <tr><tr><td><tr>
 - B. $\langle br \rangle \langle dr \rangle$ and $\langle dt \rangle \langle dt \rangle$
 - C. $<\!\!tr\!\!>\!\!<\!\!tr\!\!>$ and $<\!\!br\!\!>\!\!<\!\!/br\!\!>$
 - D. $<\!\!th\!\!>\!\!<\!\!/th\!\!>$ and $<\!\!dt\!\!>\!\!<\!\!/dt\!\!>$

Page 7 of 16

30. The attribute that specifies the path to an image in a web page is

- A. img
- B. src
- C. alt
- D. tr

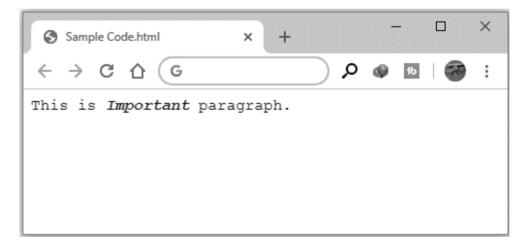
31. An image with the following specifications is to be inserted in a web page.

- The name of the image is flower.jpg
- The alternative text for image is "Flower Picture"
- The width and height of the image are to be 100 pixels
- A solid black border having thickness of 3 pixels surrounds the picture

The HTML code to insert these specifications in a web page is

Α	<ing <="" alt="Flower Picture" height="100" src="flower" th="" width="100"></ing>
	style="border:3px solid black">
В	<alt="flower <="" img="" picture"="" src="flower.jpg" td="" width="100"></alt="flower>
D	height="100" style="border:3px solid black">
С	<img <="" alt="Flower Picture" src="flower.jpg" th="" width="100"/>
C	height="100" style="border:3px solid black">
D	

32. Consider the given image of a web page showing a sentence. The font style of sentence is **Courier New**.



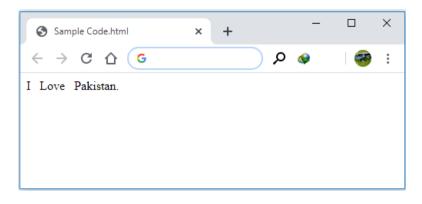
The HTML code to show this sentence is

А	<pre><i>Important</i> paragraph</pre>
	style="font-family:'Courier New' ">
В	<pre>This is</pre>
	<i>Important</i> paragraph.
С	<pre>This is</pre>
	<i>Important<\b><\I> paragraph.<\p></i>
D	<pre>This is</pre>
	<i>Important</i> paragraph.
	PLEASE TURN OVER THE PAGE

S2201-0911110

Page 8 of 16

33. Given is the image of a webpage showing a sentence.



The HTML code for displaying the sentence is

Α	ILovePakistan.
В	I >tor> >Love >Pakistan.
C	I&href&href&hrefLove&href&href&hrefPakistan.
D	I Love Pakistan.
Whicl	h of the following statements is FALSE about HTML?

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- Which of the following statements is FALSE about HTML? 34.
 - It is a markup language. A.
 - B. It is used for creating software.
 - C. Its code is usually written in notepad.
 - It does not need a compiler for execution D.
- 35. Web crawler and database are two basic components of a
 - A. web serve
 - B. web browser.
 - C. search engine.
 - D. uniform resource locater

36. Which of the following HTML tags does not need a closing tag?

- A. <title>
- Β. <head>
- С.

- D.

37. An image can be set as background of a web page by using the

- A. background attribute in the body tag.
- B. body attribute in the background tag.
- С. href attribute in the background tag.
- D. body attribute in the href tag.

Page 9 of 16

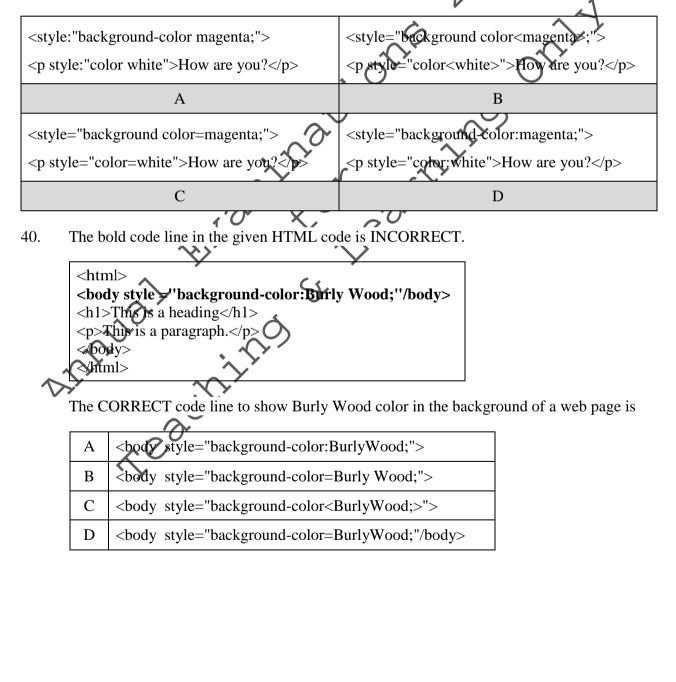
38. The types of tags that are essential to create a definition list are

A. 2 B. 3 C. 4 D. 5

39. Consider the given text.

How are you?

The HTML code to show this text in white color over the magenta background is

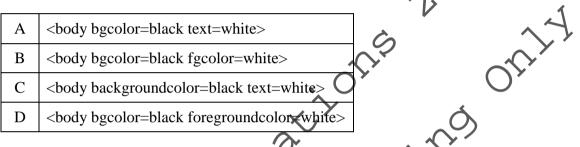


S2201-0911110

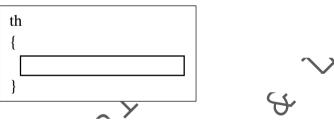
Page 10 of 16

ALTERNATE TO PRACTICAL (ATP: Questions 41-50)

- 41. Which of the following are used as a hyperlink to link a web page to another web page or another section of the same page when user clicks on it?
 - A. Text and Video
 - B. Text and Image
 - C. Video and Document
 - D. Image and Document
- 42. Which of the following HTML codes should be used to display white text on a background having black color?



43. Consider the given incomplete code. This code is supposed to right align the heading of a table.



Which of the following HTML statement lines should go in the empty box to complete the code?

A. text align: right;
B. text-align: right;
C. right: text-align;
D. right text align;

Page 11 of 16

44. Consider the given image.



The HTML code to add a red colored, 7 pixels-thick border around the image is

А	<style>img{border:7px solid red;}</style>	
В	img{border:7px solid red;} <style></td><td>L.</td></tr><tr><td>С</td><td><style>{border:7px solid red;}</style>)
D	 {border:7px solid red;} <style></td><td></td></tr></tbody></table></style>	

45. Consider the given image showing a hyperlink added to a webpage.

Click Here for ZOOM

When someone clicks on Click Here for Zoom, then the Zoom website with the following address will be opened.

https://zoom.us/

The CORRECT HTML code for this purpose is

A Click Here for ZOOM

B at href="https://zoomus/)>Click Here for ZOOM

<a Click Here for ZOOM>href="https://zoom.us/"

D <a>Click Here for ZOOM>href="https://zoom.us/"

S c	MS	× + • · · ×
← -	→ C (G 🔹 :
Ap	ops M G	imail 😰 YouTube 🖹 Maps 🗄 Reading list
Co	nten	t Management System
		gement system (CMS) is a software application that enables <u>users</u> ollaborate on, publish and store digital data content.
6.	The f	ollowing changes need to be made in the heading:
		style: Calibri
		color: Blue
	FUIL	size: 35 pixels
	The r	eplaced HTML code will be
	А	<pre>Content Management System</pre>
	В	<pre>Content Management System</pre>
	С	<pre>Content Management System</pre>
	D	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
7.	The F	ITML code to display the text below the heading is
	A	A content management system (CMS) is a software application that enables users to create, edit, collaborate on, publish and store digital
	В	A content management system (CMS) is a software application that enables <u>users</u> to create, edit, collaborate on, publish and store digital <strike>data</strike> content.
	С	A content management system (CMS) is a <u>software application</u> that enables users to create, edit, collaborate on, publish and store digital <strike>data</strike> content.
	D	A content management system (CMS) is a <u>software application that enables users</u> to create, edit, collaborate on, publish and store digital data <strike> content.</strike>

- B.
- C.
- <h6>Content Management System</h6> Content Management System <title>Content Management System</title> D.

Page 13 of 16

49. The HTML code to show the text on the image of tab is

- A. <h4>CMS</h4>
- Β. <title>CMS</title>
- C. <html>CMS</html>
- D. <head>CMS</head>

50. Consider the given image showing the text displayed on a web page

List of Science Subjects

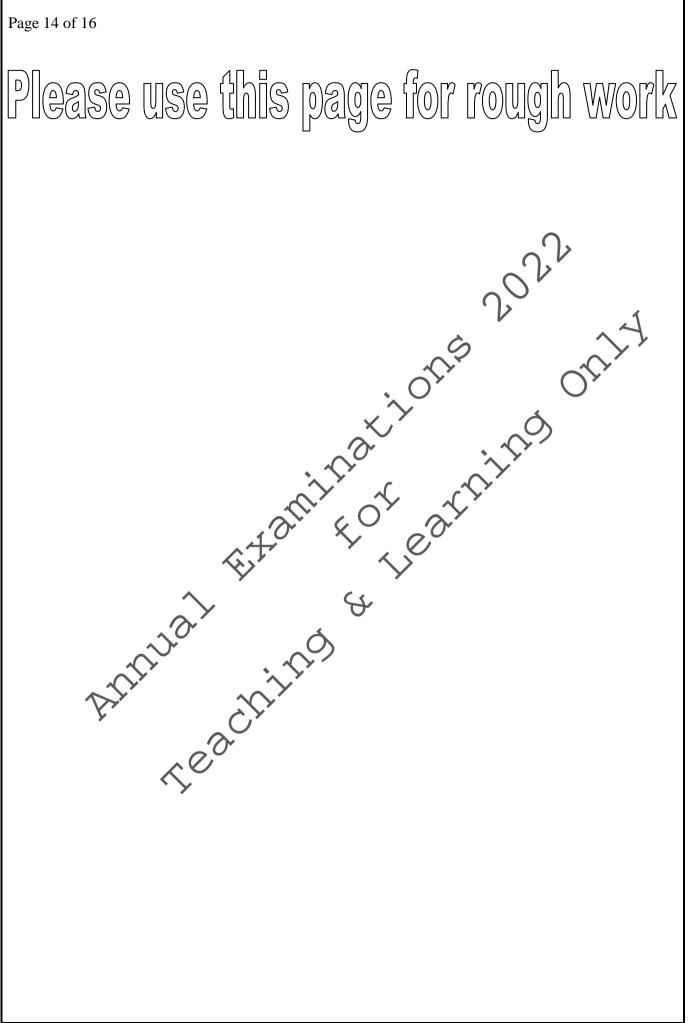
- **Physics**
- Chemistry
- **Biology**

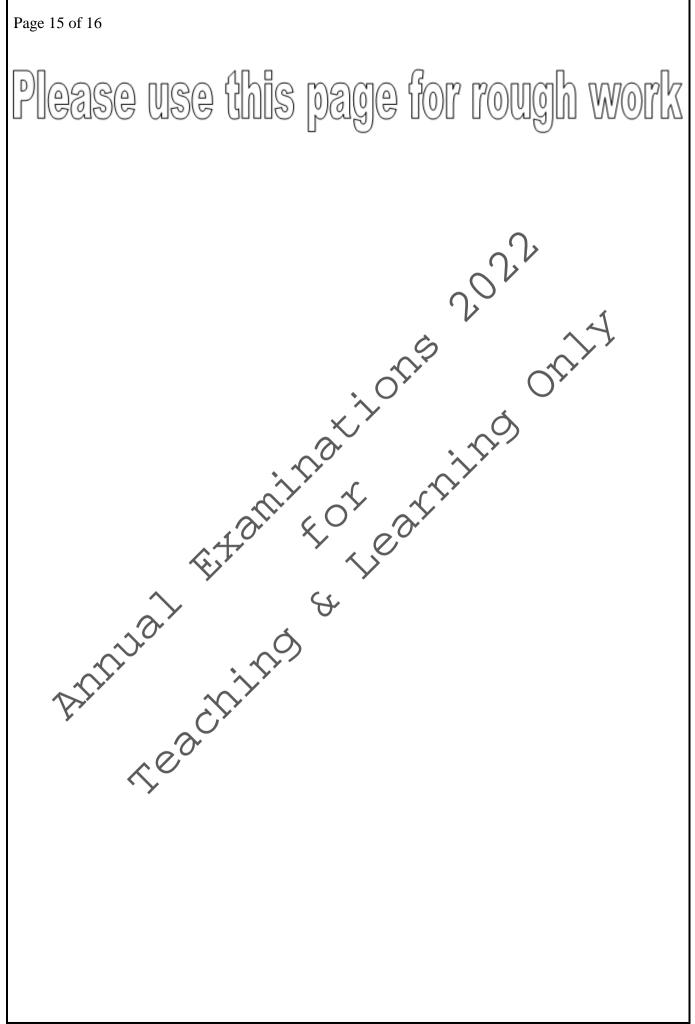
The HTML code that would display the list shown in the web page is

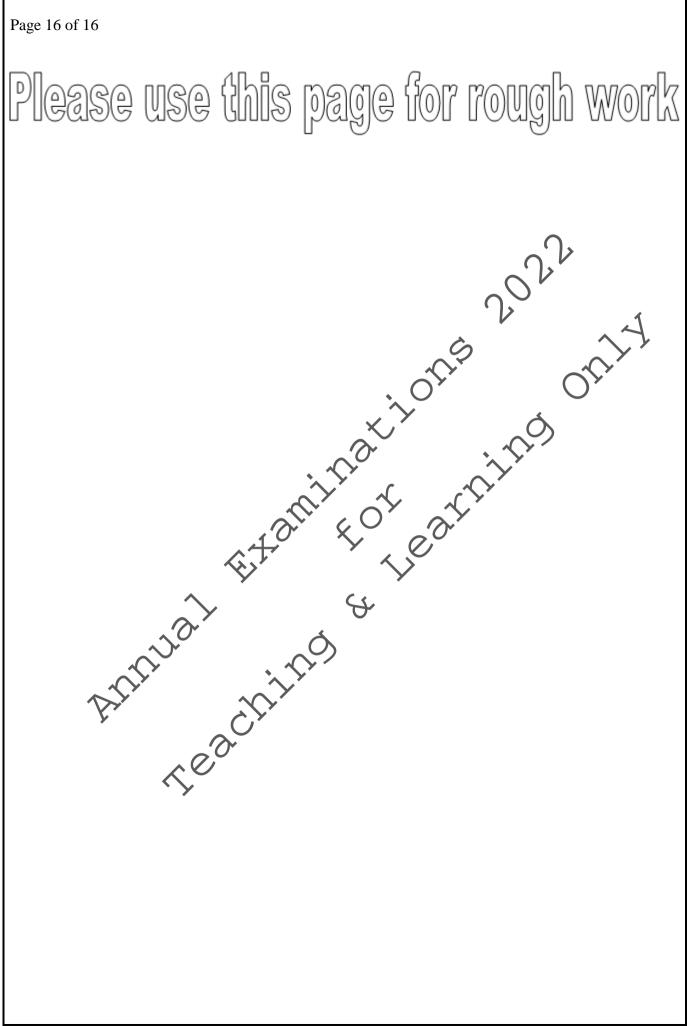
Lischenistry
Lischenistry</lischenistry
Lischenistry
Lischeni <u>Physics</u>>chemistry</u>>cli>Biology</u>> А <l>PhysicsChemistrySlologyAlpha< PhysicsChemistryBiology

V

PhysicsChemistryBiology







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