Session: 2020-21
Computer Applications (Code 165)
Class: X
Sample Question Paper 1 (Theory)

Maximum Marks: 50   **Time Allowed: 2 hours**

General Instructions:

1. This question paper contains two parts A and B. Each part is compulsory.
2. Part A carries 20 marks while part B carries 30 marks.
3. Part-A consists very short answer and case based MCQ Questions and Part-B is Descriptive Paper.
4. Both Part A and Part B have choices.

Part – A:

1. It consists two sections- I and II.
2. Section I has 13 questions of very short answer type. An examinee is to attempt any 10 out of 13 questions.
3. Section II has two case studies. Each case study has 7 case-based sub-parts. An examinee is to attempt any 5 out of 7 sub-parts.
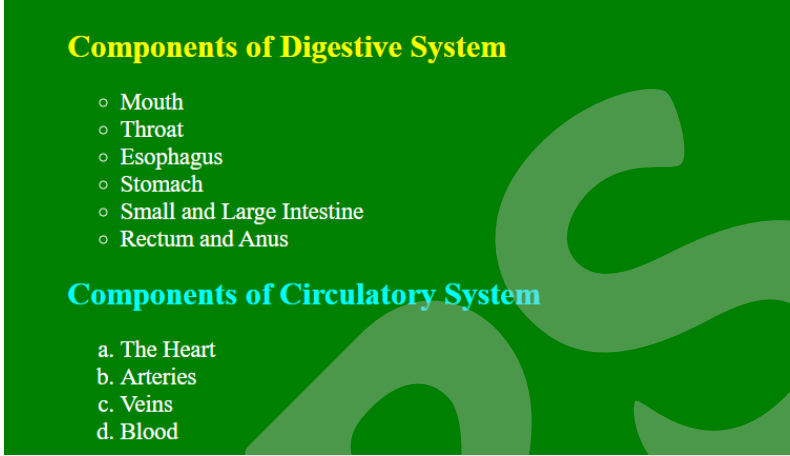
Part – B:

1. Question No. 16 to 20 are short answer Type (SA-I) questions of 2 mark each, Question No 21 to 25 are Short Answer Type (SA-II) questions of 3 marks each and Question No 26 is Long Answer Type question of 5 marks.
2. Internal choice is provided in 1 question of 2 marks, 1 question of 3 marks and 1 question of 5 marks.

Question No.	Part-A	Marks allocated
	Section-I **This section consists of 13 questions of very short answer type. Question no. 4 to 8 are of 'fill in the blank' type. Fill the blank with the most appropriate answer. Attempt any 10 questions from question no 1 to 13.**	
1.	What does WWW stand for?	1
2.	Which tag is used to insert a line horizontally on your web page?	1
3.	What is the correct HTML tag for inserting a line break?	1
4.	The HTML tag for the largest heading is _____.	1
5.	The code for inserting an image in an HTML page is <img src=" " alt=" ">. The src attribute is used for _____.	1
6.	Anything written between <!- -Any Text -- > is considered as a _____._____ .	1
7.	The _____ tag is used to display the text or numbers in the subscript format.	1
8.	_____ is referred to as junk email or unsolicited message sent in bulk by email.	1
9.	What is the default colour of the LINK attribute?	1
10.	Rani wants to start a list from the alphabet 'E'. Which attribute of <OL> tag she should use?	1

11.	What does SMS stand for?	1
12.	A container HTML element has a _____ tag and an _____ tag.	1
13.	Give any one attribute of the <body> tag.	1
	Section-II **Both the Case study-based questions are compulsory. Attempt any 5 questions (out of 7 questions) from each case study. Each question carries 1 mark.**	
14.	**Types of Protocols** There are some specific rules that determine how the data transfer over the networks. These sets of rules are called Protocols. TCP/IP refers to an important internet protocol that is responsible for the transmission or transfer of data packets over networks and across the internet. HTTP is the standard protocol used by the World Wide Web. It determines how different programs exchange data over the Internet. While HTTPs (Hypertext Transfer Protocol Secure) is a protocol which allows the fetching of World Wide Web resources, such as HTML documents. HTTPS is used for secure communication on over a computer network. SMTP is the most common protocol used for transferring e-mails between two or more servers. POP3 is another commonly used e-mail protocol. Telnet is a protocol that is used for accessing a remote computer.	
i.	Which of the following is responsible for the accurate delivery of the data over the Internet? a. SMTP b. TCP c. IP d. POP3	1
ii.	It is the most common protocol used for transferring e-mails between two or more servers. a. SMTP b. HTTP c. HTTPS d. TCP/IP	1
iii.	POP3 protocol is: a. used for composing an email message. b. used in receiving incoming emails. c. used in sending outgoing emails. d. None of these	1
iv.	Which of the following provides you a character-based terminal window on another system? a. FTP b. HTTPS c. TCP d. Telnet	1
v.	What does HTTP stand for? a. Hypertext Markup Language b. Hypertext Marquee Language c. High Markup Language d. Hyperlink Markup Language	1
vi.	Which of the following determines how different programs exchange data over the Internet? a. SMTP	1

	b. FTP c. HTTP d. POP3		
vii.	Which component of TCP/IP manages the breaking down and reassembling of the data? a. TCP b. IP c. Both a and b d. None of these	1
15.	**Ethical Issues** The onset of the internet has marked the present time as the 'Information Age', which implies that the publishing and access to information is fast, easy, and convenient. With this ease of access, comes the issue of an unauthorised access and sharing of proprietary and confidential information. Following are some of the ethical issues pertaining to the distribution of information via the Internet: Intellectual Property Rights ensure that the creator's hard work is safe and protected from unauthorised copying and piracy. Legal action can be taken if someone copies the work without the permission of the author or the organisation. The common types of Intellectual Property Rights are: Industrial Property and Copyright.. Software piracy refers to the theft of software through illegal copying of genuine programs or counterfeiting and circulation of products which are duplicate copies of the original. Plagiarism is also a fraudulent act. Digital Property Rights refer to the rights given to persons over the digital property created by them.	
i.	Which of the following is not a form of software piracy? a. Softlifting b. Industrial Property c. OEM Unbundling d. None of these	1
ii.	It is a right given to persons over the digital property created by them. a. Copyright b. Industrial Property c. Software Piracy d. Digital Property Rights	1
iii.	Which of the following refers to the theft of software through illegal copying of genuine programs? a. Software Piracy b. Plagiarism c. Both a and b d. None of these	1
iv.	It is a right granted by law to the creator for an original work. a. Plagiarism b. Copyright c. Industrial Property d. None of these	1

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v.	If someone uses or imitates any other person's language and thoughts and projects portrayed as his or her original work, then it refers to: a. Software Piracy b. Plagiarism c. Data encryption d. None of these	1
vi.	Which of the following is a type of Intellectual Property Rights? a. Copyright b. Industrial Property c. Both a and b d. None of these	1
vii.	Which one of these an offence and is subject to penalty under the law? a. Distribution of duplicate copies of an original software b. Copying the work without the author's permission c. Stealing ideas and creation of others d. All of these	1
	Part –B **All questions are compulsory. In case of internal choices, attempt anyone.**	
16.	Define the following terms: a. Client b. Server	2
17.	What is the use of search engines? Give any two examples of them.	2
18.	Differentiate between cell padding and cell spacing with respect to tables in HTML.	2
19	Write the HTML code to create a list of your favorite cricket players: a. The list should be an ordered list using roman numbers as number format. b. The page should have a pink background.	2
20	Define the following a. Encryption b. Antivirus **OR** What is E-learning? Mention any two benefits.	2
21	Rohan's teacher has asked him to create a web page about the wonders of world. He needs to include images when creating the webpage Which tag should he use to include an image? Give the syntax. Also, explain the role of the Alt attribute.	3
22	Describe the use of anchor tag. Give an example. Also, describe the use of HREF attribute.	3
23	Sunita, a student of Class X, wants to represent a table in webpage. Explain her the role of <th> <tr> and <td> tag. Write the HTML code of a table and show the use of <th>, <tr> and <td> tag.	3

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24	Define the following: a. Web browser b. Web portal c. URL	3
25	Define e-governance. How is it different from e-reservation? Give name of a site using which you can book a ticket. **OR** Describe the use of email. Distinguish between the CC and BCC fields.	3
26	 Write the HTML code to design the above-shown web page considering the specifications as given below: • Background color of the page should be green, left margin 50 and top margin 25 • Title of the web page: Inserting List • Heading 1 'Components of Digestive System', size 5, colour yellow and text bold, unordered list (as shown in the above web-page) • Heading 2 'Components of Circulatory System', size 5, color cyan, text bold, ordered list, list type alphabet. • Colour of both type of lists are white and size of text 4 **OR** Answer the following questions: a. Which tag is used to create forms on a web page b. State the use of Action and Method attribute. c. Write the use of <input> tag. d. Describe Type and Name attribute of <input> tag. e. Write a line of code to include checkbox.	5