

Roll Number

SET A



INDIAN SCHOOL MUSCAT
FINAL EXAMINATION
COMPUTER APPLICATIONS

CLASS: X

Sub. Code: 165

Time Allotted: 2 Hrs.

04.02.2021

Max. Marks: 50

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 of 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.

Part-A

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 | How do you insert comments in a HTML file ? | 1 |
| 2 | Give an example of empty tag in HTML. | 1 |
| 3 | Write the HTML code to display a horizontal line in blue colour. | 1 |
| 4 | _____ tag is used in HTML to link web pages. | 1 |
| 5 | _____ attribute is used to set the space / distance between two cells in a table. | 1 |
| 6 | _____ attribute of font tag is used to change the font style / type. | 1 |
| 7 | _____ and _____ attributes of IMG tag are used to change the dimensions of a picture inserted in a web page. | 1 |

- 8 Shraavan is doing a Science project about Human Body. He got some pictures and information from various sites in internet and he used them without making any changes and submitted it as his project. Which term describes this ? 1
- 9 Sheela is designing a webpage and wants to give yellow colour to the text. Which attribute of <BODY> tag she should use ? 1
- 10 What is the use of <INPUT> tag ? 1
- 11 Expand : (i) SCP (ii) POP3 1
- 12 What is the importance of the start attribute of tag ? 1
- 13 Give the HTML code to display the text "Best Wishes" in Arial font with size 17 in red colour. 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 After the introduction of World Wide Web in 1989, the use of the Internet changed radically. WWW , also known as Web in short , was developed by Tim Berners Lee of the European Laboratory for Particle Physics(CERN) in Switzerland. WWW represents an information space where documents and other web resources resides. These documents are connected by hyperlinks and can be accessed by URLs using Internet. WWW makes up a large part of the Internet and consists of websites that have one or more Web pages. However, apart from the websites, the Internet also consists of the following: 5
1. Forums, blogs and groups where users can seek help and advice on various topics.
 2. Databases that are used for research by private and academic organizations.
 3. E-mail, chatting and Instant Messaging (IM) systems.
- (i) Which among these gives the correct full form of URL? 1
- a. Uniform Reform Locators
 - b. Unified Resource Locator
 - c. Uniform Reserve Locator
 - d. Uniform Resource Locator
- (ii) The word BLOG is made of 2 words which are: 1
- a. Wide Log
 - b. Web Log
 - c. World Log
 - d. None of these
- (iii) Priya wants to make her garden look beautiful, so she is searching for some creative ideas. Which of these she should use to search for some relevant information ? 1
- a. Google Chrome
 - b. Netscape Navigator
 - c. Mozilla Firefox
 - d. Any of the above

- (iv) In WWW, E-mails are sent from sender to receiver through a set of _____ protocols. 1
- SMTP and POP
 - SMTP and FTP
 - SMTP and HTTP
 - SMTP and SFTP
- (v) Sharan and Sankalp want to discuss a very important issue related to their work. But due to pandemic they cannot meet. Suggest them the most suitable way of doing this. 1
- Email
 - Chatting using Internet Relay Chat
 - Video conferencing through Skype or Zoom
 - SMS
- (vi) In WWW, Web Portal is 1
- The main page of a web site that is displayed first on the screen whenever we open or access a website.
 - The collection of web pages related to each other and linked to each other by hyperlinks.
 - An application that is used to access or retrieve information from the Internet.
 - A website that presents information from several sources using different hyperlinks to the respective Web pages.
- (vii) Praveen wants to have his own website for his book shop. He wants to design his own website. Help him to choose the most appropriate language to do the same. 1
- Python
 - C++
 - Ms-Access
 - HTML
- 15 **Security of Transactions in E-commerce** 5
- Encryption is a mechanism of converting a message or information into an unreadable form (also called ciphertext). This is done to ensure that except for the sender and the recipient, no other person can read the encrypted information. In this way, encryption helps to maintain the privacy of data. Apart from encryption, the Internet provides another security provision, called a digital signature, which is a digital code attached to electronically transmitted data to uniquely identify the sender. It helps you to ensure data integrity and authentication. Another provision to ensure the security of data on a website is a digital certificate. It ensures users that the website they are visiting is trustworthy.
- (i) While doing transactions in E-commerce Websites, which of these are important ? 1
- Username
 - Password
 - Privacy of data
 - All of these
- (ii) Which of the following is used for converting a message or information from unreadable form to readable form? 1
- Encryption
 - Decryption
 - Cryptography
 - Authorization

- (iii) To uniquely identify the sender , _____ is used 1
a. Digital ticket
b. Digital license
c. Digital photo
d. Digital Signature
- (iv) While doing E-commerce transactions, we use cards like VISA and Mastercard. _____ is 1
a system which ensures the security of such financial transactions.
a. TCP/IP
b. SET
c. FTP
d. POP3
- (v) When we convert the message into an unreadable form, it is known as 1
a. Decryption
b. Encryption
c. Password
d. Username
- (vi) Which among these is a process of determining whether an individual making a 1
payment or withdrawing funds through the internet is actually who he or she claims to
be?
a. Digital Certificate
b. Digital License
c. Authentication
d. Decryption
- (vii) Digital Certificate is issued by 1
a. Certification Bank
b. Certification Site
c. Certification Authority
d. Certification protocol

Part-B

All questions are compulsory. In case of internal choices, attempt any one.

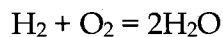
- 16 Deepa is learning about WWW. She wants to know the difference between website and 2
web page. Help her in understanding their difference, their roles with appropriate
examples.
- 17 Maya wants to send some mail to her friends but when she opens her Email , she gets 2
confused between Cc and Bcc options while composing the mail. Help her to find the
difference with suitable examples.
- 18 Reena wants to create a web page for her school. She wants to have yellow background 2
colour for the page with the text in blue colour. She also has hyperlinks in her page. She
wants to give the unvisited link black colour, with the active link in red colour and
visited link in green colour. Help her with the correct HTML command.

- 19 What is the use of radio button ? Explain the way to create a radio button with an example. 2
- 20 (a) What do you understand by Intellectual Property Rights ? 2
(b) What do you understand by Software License ? What is meant by Open Source ?

(OR)

What do you understand by Netiquette ? List any two netiquettes.

- 21 Explain the use of tag and <DL> tag with a suitable example for each. 3
- 22 Meena has just started learning superscripts and subscripts in HTML. She wants to make a web page with the following formulae. 3



$$A^2 + B^2 + 2AB = (A + B)^2$$

Help her in designing the HTML code.

- 23 Write an HTML code to design the following form in HTML. 3

Enter your name:

☐ Swimming ☐ Sports

- 24 India in the coming years has to bridge the gap between the people in terms of Internet availability and infrastructure if it has to become a super power. Presently many people do not have access to Internet. What is this concept known as ? Why is this problem still persisting in India and how can we get rid of this problem ? 3
- 25 What is E-banking? Write any one advantage and one disadvantage of E-banking. 3

(OR)

Distinguish between :

- (a) Web server and Web client
- (b) Downloading and uploading
- (c) HTTP and HTTPS



- Background color of the webpage is yellow
- Heading “LATEST NEWS” should be in first level of heading
- The image named “news.jpg” should be placed at the center of the web page.
- Formatting style for the paragraph
 - Font size : 3
 - Font style: Arial
 - Font color: black
- The text in the paragraph should be in italics and superscript/ subscript tag should be used wherever appropriate.
- The hyperlink file is “regist.html” and hypertext is Click here.

(OR)

- a. What is the use of <caption> tag in a table? Give an example.
- b. Priya wants to insert an audio file by the name oldsong.mp3. Help her to write the code.
- c. Vinay has created a form which has two boxes. In the first box whatever typed is displayed as it is but in the other box, whatever typed is displayed as dark black dots (like bullets). Help him to understand this.
- d. Write HTML code to display the following table

Car type	Company	Sales in 2019 and 2020	
Sedan	Ford	4000	4300
SUV	Mahindra	5000	7600

End of the Question Paper