




ANSWER KEY: SY-245

SECOND YEAR HIGHER SECONDARY EXAMINATION MARCH 2021

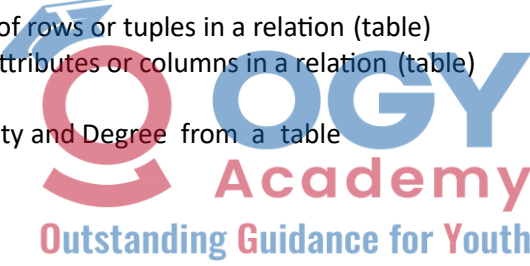
COMPUTER APPLICATION(HUMANITIES)

Qn. No	Sub Qn	ANSWER KEY-Value point	Score	Total Score
1	a b c d e	Desktop Publishing or (i) Ctrl + V or (ii) <SUB> or (iii) Href or (i) GPS or (ii)	1 1 1 1 1	5
2		Typography is the art and technique of arranging letters OR Fonts are classified into two –Sans serif and Serif OR Anything related to font	2 1 + 1 2	2
3		Lithographic, Digital, Gravure, Flexography, Screen printing(Any two name) OR Explain any one from the above (Any 2 valid points only) Lithographic printing It is an offset printing technique using plates. An image is created on the plate using ink. It is then transferred to a rubber blanket. The image on the blanket is transferred to the paper. Lithographic printing is popular for commercial printing of newspapers, books, forms etc. Digital printing In this type of printing, plates are not used. Digital printing has a higher cost per page than offset printing. It also supports the modification of the image anytime. This type of printing is used in Inkjet printer and in laser printer. Gravure printing It is used in package printing. The engraved image in the gravure cylinder is inked and transferred to the material like polyester, nylon, aluminium foil, paper etc. It is a suitable choice to print on laminated packing for different ingredients. It has low cost and good quality. Flexography It is used for printing on packing material. The image is prepared on a plate. This plate is then inked, and then it is transferred to the printing material like plastic, rubber etc. Flexography is used for the production of shopping bags, flexible plastic for milk and other food packets etc. Screen printing Screen printing is a simple process for printing. It is a printing technique that uses a woven mesh to support an ink blocking stencil to receive a desired image. It can be used to print on a wide variety of materials, including paper, plastic, glass, metals, fabrics and others.	1+1 2	2
4		Portrait or Lengthwise or Vertically or <input type="checkbox"/> Landscape or width-wise or Horizontally <input type="checkbox"/>	1 1	2


5		Title bar, Menu bar, Toolbar, Scroll bars, Ruler, Status bar, Text area(Any 4 name) OR Explain any two	½ x 4 2	2										
6		Header: The common text appearing on the top of every page Footer: The common text appearing on the bottom of every page OR Steps to insert header(Insert → Header) and footer(Insert → Footer) OR Any valid point like page figure with header and footer	1 1 1+1 2	2										
7		Water mark is a facility to define Text, graphics or colours in the background of the document pages. OR Steps to insert watermark i) Open the file to be exported ii) File → Export as PDF iii) Type the required water mark iv) Click the Export button OR Export as PDF OR Related point like page figure with water mark	2 2 2 2	2										
8		1)Format → Page or Right click on the page 2)In the Borders tab of this dialog box, select one of the border style and Click OK	1 1	2										
9		Static Web Page -Any one Valid Point from the following table Dynamic Web Page -Any one Valid Point from the following table <table><tr><th>Static web page</th><th>Dynamic web page</th></tr><tr><td>The content and layout of a web page fixed.</td><td>The content and layout may change during runtime.</td></tr><tr><td>Static web pages never use database.</td><td> Dynamic web pages use database</td></tr><tr><td>Static web pages directly run on the browser</td><td>Dynamic web pages runs on the server and display the result on the browser.</td></tr><tr><td>Static web pages are easy to develop.</td><td>Dynamic web pages are difficult to develop.</td></tr></table>	Static web page	Dynamic web page	The content and layout of a web page fixed.	The content and layout may change during runtime.	Static web pages never use database.	 Dynamic web pages use database	Static web pages directly run on the browser	Dynamic web pages runs on the server and display the result on the browser.	Static web pages are easy to develop.	Dynamic web pages are difficult to develop.	1 1	2
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10		Client Side Script -Any one Valid Point or Any one Example(VB Script, Java Script) nt Server Side Script -Any one Valid Poi from the following table or Any one Example(Perl,PHP,ASP,JSP) <table><tr><th>Server side scripting</th></tr></table>	Server side scripting	1 1	2									
Server side scripting														

		Client side scripting			
		Script is copied to the client browser	Script remains in the web server		
		Script is executed in the client browser	Script is executed in the web server and the web page displays in the browser		
		Used for validation of data at the client	Server side scripts usually used to connect to database		
		User can block client side scripting	User cannot block server side scripting.		
		Used to create static web pages	Used to create dynamic web pages		
		It depends on browser type	It does not depend on browser type.		

11		Container Tags - <BODY>, Empty Tags - , OR Definition of container tag Definition of empty tag	$\frac{1}{2}+\frac{1}{2}$ $\frac{1}{2}+\frac{1}{2}$ 1 1	2
12		<TH> -Used to define heading cells <TD> - Used to define data cells OR <TH> -Table heading <TD> -Table data OR Any one valid point related to <TH> and <TD>	1 1 1 1 1+1	2
13		A link to a particular section of the same document OR <a> tag Attributes of <a> tag -Name, Href	2 1 $\frac{1}{2}+\frac{1}{2}$	2
14		<DL> , <DT> , <DD> Names of any two tags from the above OR Example	1 + 1 2	2
15		Hardware, Software, Data, Users, Procedures (Any Four names) OR Explain any two from the above	$\frac{1}{2} \times 4$ 2	2

16	a) b)	<p>Cardinality:-The number of rows or tuples in a relation (table)</p> <p>Degree;-The number of attributes or columns in a relation (table)</p> <p>Example -Write Cardinality and Degree from a table</p> <p style="text-align: center;"></p> <p style="text-align: right;">OR</p>	1 1 2	2
17		<p>DBA, Application programmers, Sophisticated users, Naïve/End users</p> <p>OR</p> <p>Explain any two from the above</p>	$\frac{1}{2} \times 4$ 2	2
18		<p>Select, Project-Unary operators</p> <p>Intersect , Union - Binary operation</p>	$\frac{1}{2} \times 2$ $\frac{1}{2} \times 2$	2
19		<p>Definition of database abstraction:</p> <p>OR</p> <p>Physical/External level, Logical /Conceptual level ,View/External/User level (Names of any 2 of the above abstractive levels)</p> <p>OR</p> <p>Diagram of database abstraction</p> <p>OR</p> <p>Any valid point related to database abstraction</p>	2 1 x 2 2 1	2 2
20		DDL, DML, DCL (names of any two SQL components)	1 +1	2
21		<p>SMS: It allows transferring short text messages containing upto 160 characters between mobile phones.SMS messages are exchanged using the protocol called Signalling System No.7(SS7) (Any one valid point)</p> <p>MMS:It allows sending multimedia contents (text, graphics, music, video clips etc) between mobile phones. MMS does not specify a maximum size for a multimedia message. (Any one valid point)</p> <p>OR (Full form only)</p> <p>SMS –Short Message Service</p> <p>MMS- Multimedia Messaging Service</p>	1 1 1 1	2

22	<p>Balance, Repetition, Contrast, Harmony, Unity, Dominance</p> <p>Names only</p> <p>OR</p> <p>Explain any two (Any 2 valid points for each)</p> <p>Balance : Balance is the distribution of the visual weight of objects ,colours,texture and space. In visual images, balance is formal when both sides are symmetrically arranged. Balance is informal when sides are not exactly symmetrical, but the resulting images is still balanced.</p> <p>Repetition : Repetitive works with a pattern makes the artwork look active. There are two type of repetitions. They are <i>repetition without variation</i> and <i>repetition with variation</i>. Repetition with various give a work has a sense of motion.</p> <p>Contrast: Contrast is the association of opposing elements like opposite colours, tone, direction etc</p> <p>Harmony : Harmony is the visually satisfying effect of combining similar, related elements.</p> <p>Unity: Relating the design elements to the idea being expressed strengthens unity .Unity in a painting also refers to the visual linking of various elements of the work.</p> <p>Dominance: Dominance can be applied to one or more of the elements to give emphasis.</p>	<p>½ x6</p> <p>1½X 2</p>	3
23	<p>Two types (Names only)-</p> <p>i) Web based publishing</p> <p>ii) Digital distribution</p> <p>OR</p> <p>Explanation with name</p> <p>i) Web based publishing: Web publishing or online publishing is the process of publishing content on the Internet or Eg: Wikipedia, online news paper, blogs (any 3)</p> <p>ii) Digital distribution: -The electronically published materials like e-books, e-journals, etc . can be downloaded from various websites.</p>	<p>1</p> <p>1</p> <p>1½</p> <p>1½</p>	3
24	<p>Quickness, Word wrapping, Editing features, Drawing and graphics, Tables, Formatting features, Header ,Footer and Page Number, Object Linking and Embedding, Spell check and Grammar check, Mail merging, Index and Table of contents, Templates</p> <p>Name any 6 point</p> <p>OR</p> <p>Explain any two</p>	<p>½ x6</p> <p>1 ½x2</p>	3
25	<p>i) Open the document to be printed ii) Use the command sequence File Print →</p> <p>OR</p> <p>The keyboard shortcut Ctrl + P</p> <p>OR</p> <p>Use the Print button in the Standard toolbar The Print dialogue box will be opened</p> <p>iii) On clicking the OK button ,the document will be printed, if the printer is ready</p>	<p>1 x3</p>	3

26		a. Image files such as photos, drawing or scanned images. b. Diagrams created using tools available in Drawing toolbar c. Charts created using the chart facility OR a. Adding an image b. Using drawing tools c. Inserting charts	1 1 1 1 1 1	3
27		Mail merge is a tool in word processors which allows to create formal letters, mailing labels and envelopes by linking a main document to a set of data or data source (or This facility helps to print many documents with the same content and addressed to different people) OR Tools —→ Mail merge Wizards OR Valid point OR Write the name of any three Steps given below (without consider their order) Step 1:Select starting document Step 2:Select document type Step 3:Insert address book Step 4:Create salutation Step 5:Adjust layout Step 6>Edit documents Step 7:Personalise documents Step 8:Save,Print or Send	3 3 3 3 3	3
28		A i) <P> ii) a) Direction B b) Align c) Src iii) <MARQUEE>	1 1 1	3
29		iii)We can control the colours of text, style of fonts, spacing between paragraphs,  i) CSS- Cascading Style Sheet ii)Basis of building web pages and web applications location of images etc very easily OR Any three valid points	1 1 1 3	3
30		Correct code OR Structure of HTML code with - <TABLE>, <TR>,<TH> or <TD> or both, tags	3 1+1+1	3

31		Usage of <INPUT> with example/examples -It is used to create form controls like Text box, Password, Check box, Radio button, Text area, Select Box, Submit and Reset buttons(Write atleast two form control names in the above sentence) OR Type attribute and its values(Names only- text, password, checkbox ,radio, reset, submit, button)	3 3	3
32		3 ways to add style sheet (names only) -Internal ,External and Inline style OR Explain any two from the above	1+1+1 1 ½x2	3
33		a.Tell the browser how to render an element on a web page b. It has two parts –Selector and Declaration block OR Selector and Declaration block OR Any correct example like P{ Margin: 50 px ; }	1 2 1+1 3	3
34		Shared hosting:-Many websites are stored in a single web server, server share resources, suitable for less traffic websites, cheaper and easy to use (Any two relevant points) Dedicated hosting:-Client leases the entire web server and all its resources, web server is not shared, web sites of large organizations, government department etc uses this technology, servers provide guaranteed performance, they are very expensive(Any two relevant points) OR Diagram <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Shared hosting</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">SeveralWebsites</div> </div> <div style="text-align: center;"> <p>Dedicated hosting</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">SingleWebsite</div> </div> </div>	1½ 1½ 1 ½x2	3 3
35	a)	a)FTP is used to transfer files from one computer to another on the internet. OR Transfer files/Protocols/Set of Rules	2 2	3
	b)	b)Secure File Transfer Protocol	1	
36		Content Management System CMS refers to a web based software system which is capable of creating, administering and publishing websites. OR Content Management System/ Easy way to design and manage attractive websites / CMS is available for free download at their websites/templates are available free/people with less technical knowledge can design and develop secure websites/ reduce the need for repetitive coding/Example WordPress, Drupal, Joomla Any three above points	1 2 1 x 3	3 3

44		Name only		5
		Unorderd list or 	1	
		Ordered list or 	1	
		Definition list or <DL>	1	
		Explanation or example for any one from the above three	2	