

ANSWER KEY

SECOND YEAR HIGHER SECONDARY EXAMINATION MARCH 2026

PART III

SUBJECT: COMPUTER APPLICATION (Humanities)

CODE NO: SY245

VERSION:

60 SCORE

Duration: 2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1		(d) Screen printing / (a) <i>GRAVE</i>	1	1
2		3D Effects option / (View → Toolbars → 3D Effects) / <i>Extrusion ON/OFF</i>	1	1
3		(c) <Frame>	1	1
4		Universal selector / (*)	1	1
5		Web Hosting	1	1
6		LIKE	1	1
7		Header: Text at top of each page. Footer: Text at bottom of each page	1	1
8		SMTP → 25 HTTP → 80	2	2
9		Container tag: Has start & end tag (e.g. <body>...</body>) Empty tag: No closing tag (e.g. ,)	1/2 each	2
10		<MARQUEE> – Scrolls text <PRE> – Displays preformatted text – Inserts image <ADDRESS> – Shows contact/address (1/2 mark) each		2
11		<i>Draw screen output / valid explanation</i>	2	2
12		(a) Defines style using selector & declaration (e.g. p {color:red;}) (b) <style> tag	2 <i>1+1</i>	2
13		(a) Software to manage website content (b) Examples: WordPress, Joomla14	1+	2
14		a) FTP Client (b) FileZilla, <i>CuteFTP, SmartFTP, etc.</i>	1+	2

15		Tags only 1 mark <ol type="i"> Music Cinema Dance 	2	2
16		Abs traction is the process of hiding unnecessary details and showing only the essential features of data or a system. Levels Physical Level . Logical Level View Level	1+1	2
17		Numeric : INT, SMALLINT, FLOAT, DECIMAL Character : CHAR, VARCHAR, TEXT Date/Time : DATE, TIME, DATETIME, Boolean	1/2mark each	2
18		Cybercrimes against government are criminal activities targeting government systems, websites, or data. Cyber terrorism – Attacks intended to disrupt government services. Hacking – Unauthorized access to government networks. Website defacement – Altering official government web pages. Data theft – Stealing confidential government data. Denial of Service (DoS) attacks – Making government websites unavailable. (Only names full mark)	1 1	2
19		Formatting are used to improve the appearance of a document.	1	
	Character/Font formatting: Changing font type, size, color, and style (bold, italic, underline). Paragraph formatting: Align text (left, right, center, justify), set line spacing, and indentation. Bullets and numbering: Create ordered and unordered lists. Page formatting: Set page size, margins, and orientation. Borders and shading: Add borders and background colors to paragraphs or pages. (name of formats full mark)		1/2x4	3
20		Line Tool: Used to draw straight lines. Rectangle Tool: Used to draw squares and rectangles. Ellipse Tool: Used to draw circles and ovals. OR Any valid tools	1+1+ 1	3
21		Mail Merge is a process used to create multiple personalized documents using a single template and a data source. (any correct definition 1 mark) Steps in Mail Merge. Tools → mail merge wizard select starting document, document type, insert address book, create salutation, adjust layout, edit document, personalise document, save, print. (Any 4 points 2 mark)	1 1/2 mark each	3

22		<p>Client-Side Scripting Runs on the user's browser JavaScript, Cannot access database directly, Faster (executed locally) Less secure</p> <p>Server-Side ScriptingRuns on the web server , VBScript PHP, Python, ASP, Node.js , Can access and manage databases Slower (depends on server) More secure</p>	1 + 1 =	3
23		Correct code with proper tags		3
24	a b	<p>Hyperlinking is a process of connecting one web page to another or to a specific part of the same page using links.</p> <p>Internal linking – Links to another section of the same page.</p> <p>External linking – Links to a different website or webpage.</p> <p>Email linking – Opens an email client to send a message. (Example: Send Email)</p> <p>(any two linking 2 marks)</p>	1	3
25		<p>E Selector: Selects HTML elements directly (e.g., p {color: blue;}).</p> <p>1. Class Selector: Selects elements with a specific class (.classname {} syntax).</p> <p>2. ID Selector: Selects a specific element with an ID (#idname {} syntax).</p> <p>Universal selector, Type selector, Class selector, Id selector. (Any 3 correct explanation)/syntax (Any 2 selector 2 mark)</p> <p>Names only 1/2 mark each</p>	1 1 1	3
26		<p>Shared Hosting: Multiple websites share the same server resources — cost-effective.</p> <p>VPS Hosting: Virtual Private Server divides a physical server into separate virtual servers.</p> <p>Dedicated Hosting: A full physical server is dedicated to one website — more control and performance.</p>	1 1 1	3
27		<p>DDL (Data Definition Language): Defines structure of database. Create, Alter, Drop</p> <p>1. DML (Data Manipulation Language):</p>	1 1	3


		<p>Manages data in tables. Insert, update, select, delete</p> <p>DCL (Data Control Language): Controls access to data.: GRANT ,Revoke</p>	1	
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28		copyright-Protects creative works (books, music, software),Registration optional (automatic in many countries) patent-Protects inventions and innovations, Must be registered. (Any valid explanation)	1 1/2+ 1 1/2	3
29		Pre-Press Activities: Tasks done before printing, such as designing, ... Post-Press Activities: Tasks done after printing, such as ...	1 1/2+ 1 1/2	3
30	a	CSS (Cascading Style Sheet) is a stylesheet language used to describe the appearance and layout of web pages written in HTML. It controls the design aspects such as fonts, colors, spacing, and positioning of elements. Consistency: Provides a uniform look and feel across all web pages, Easy maintenance: Changes in one CSS file can update multiple web pages. Faster loading: Reduces code duplication and improves page loading time. (Any valid points)	1 4 x 1/2	5
	c	Inline CSS: Using the style attribute inside an HTML tag <code><p style="color:blue;">Hello</p></code> Internal CSS: Writing CSS inside the <code><style></code> tag within the <code><head></code> section External CSS: Linking an external .css file using the <code><link></code> tag.	2	
31	a	DBMS (Database Management System) is software used to store, manage, and retrieve data efficiently in a structured way. MySQL, Oracle, SQL Server. Unary Operations Select (σ), Project (π)	1	5
	b	Binary Operations Union (\cup), Cartesian Product (\times) Cardinality: 3 (number of rows/records), Degree: 3 (number of columns/attributes)	2	
	c		2	
32	a	Typography: Typography refers to the style, arrangement, and appearance of text in a document or publication. It involves selecting fonts, sizes, and spacing to	1	

30 b Easy to change Layout, Reduce the size of webpage, Reduction in bandwidth, consistency in web pages viewing options, save time OR Any valid points

4 x 1/2

	b	<p>make text readable and visually appealing.</p> <p>Pre-Flighting: Pre-flighting is the process of checking digital files before printing to ensure that all fonts, images, and settings are correct and ready for production.</p> <p>1. Offset Printing:</p> <ul style="list-style-type: none"> • Most common commercial printing method. • Inked image is transferred from a plate to a rubber blanket, then to paper. • Used for books, newspapers, magazines. <p>2. Digital Printing:</p> <ul style="list-style-type: none"> • Prints directly from a digital file (like PDF). • Ideal for short-run and on-demand printing. • Example: Laser or inkjet printers. <p>3. Screen Printing:</p> <ul style="list-style-type: none"> • Ink is pressed through a stencil (mesh screen) onto the surface. • Used for printing on fabric, glass, metal, and plastics. <p style="text-align: center;">OR</p> <p>Explain any 3 printing technologies.</p>	<p>-1</p> <p>1</p> <p>1</p> <p>1</p> <p>1+1+1</p>	5
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