ANSWER KEY

FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2025

PART III

SUBJECT: COMPUTER APPLICATION (HUM)

CODE NO:FY345   **SCORE:60 MARKS**   **TIME:2 HOURS**

Qn No	Answer Key/Value points	Score	Total Score
1	a (i and iii)	1	1
2	Left	1	1
3	Ctrl + O	1	1
4	Optical fibre	1	1
5	Facebook	1	1
6	e-business	1	1
7	ASCII, EBCDIC, Unicode, ISCII Any two names of above codes	1 + 1	2
8	Controls, manages and co-ordinates all other units of a computer Any two points	1+1	2
9	Ram- Random access memory, Faster than Rom, allows reading and writing. Volatile memory, It stores data temporally Rom- Read only memory ,Slower than RAM , allows reading only Non-volatile memory ,It stores boot up program (Any 2 differences)	1+1	2
10	Locking rows in a spread sheet **OR** Window ->Freeze **OR** making rows immovable	2	2
11	Round a number up to a given number of digits / syntax/eg Round down to given number of digits/ syntax/eg	1+1	2
12	Insert-> Movie and Sound **OR** Clicking audio button in a slide show	2	2
13	Normal view or slide view, Outline view, Slide sorter view, Hangout view, Notes view	1+1	2
14	Raster images vector images made up of pixels created mathematically Quality of images does not loses quality when scaled	1+1	2

	decreases as they are scaled		
	large files smaller in images		
	used in web and print converted to raster images before		
	they are used		
	(Any 2 comparisons)		
15	Rectangle Select, Ellipse Select, Free Select/Lasso tool , Foreground Select , Fuzzy Select, By Colour Select, Intelligent Scissors (Name any 4 selection tools)	½ score each	2
16	Move the mouse pointer on the anchor point. Hold down Ctrl + Shift keys down and click on the anchor point **OR** Ctrl + Shift + Mouse Click	2	2
17	This is a data communication device. It receives incoming data signals, amplifies the signals to their original strength and retransmits them to the destination. **OR** Amplify signals in a network	2	2
18	A computer with NIC and an operating system that supports TCP/IP, modem, telephone line, An Internet account given by an Internet Service Provider (ISP),mobile hotspot (Any software/hardware components for internet connection)	1+1	2
19	Store data and instructions, intermediate results and final results. Primary memory-RAM,ROM, secondary memory-CD,DVD(Any 3 points related to primary, secondary memory)	1+1+1	3
20	e-waste refers to electronic products nearing the end of their useful life reuse, recycle, incineration, land filling(½ score each) OR Any other valid answers	1 2	3
21	Input-joystick, light pen, QR code reader output-CRT monitor, LCD Projector, Laser print	½ score each	3
22	Using a cell address to identify a cell is called cell referencing Relative cell references are basic cell references that adjust and change when copied. Absolute referencing-does not automatically adjust when formula is copied. To make a reference absolute, puts a Dollar($) sign before both the column letter and row number	1 1+1	3

	OR =B4+C4, A3 **OR** names only			
	Explain two reference	3		
23	AVERAGE() ->calculate average of given set of values	½ score each	3	
	MAX() ->Give the maximum values in a list of numbers			
	UPPER() ->Convert "welcome" to "WELCOME"			
	MAX() ->Gives the maximum values in a list of numbers			
	AND() ->Returns true if all the conditions are true otherwise returns false			
	LOWER() ->Convert "WELCOME" to"welcome"			
24	Setting time between two slides in a presentation	1+2	3	
	Slide Show-> Rehearse Timing			
25	1. Align 2. Move 3. Crop 4. Rotate 5. Scale 6. Shear 7. Flip	½ score each	3	
	Name any six transform tools			
26	Subtractive Colour Scheme / Additive Colour Scheme	½ score each	3	
	Used in colour printing / Used in computer and Television screens			
	Mixing begins with white and ends with black / Mixing begins with black and ends with white			
	Use Cyan, Magenta and Yellow Colour components to create colours / Use Red, Green and Blue colour components to create colours			
	Absence of colours is white / Absence of colours is black			
	Presence of all the colours is black / Presence of all the colours is white(Any three comparisons)			
27	a. Emboss b. Mosaic c. Ripple d. Shift e. Waves f. Wind	1+1+1 ½ score each	3	
	Explain any three distorts filters			
	Names only			
28	Bring people together , Plan and organize events , Business promotion, Social skills (Any 3 advantages)	1+1+1	3	
	OR intrusion to privacy, Addiction, Spread rumours (any 3 limitations) **OR** Any 3 advantages and limitations			
29	Speed , Saves time and money , Transparency, Reduce corruption, Strengthens the democracy(Any 3 benefits)	1+1+1	3	

	OR Loss of interpersonal communications, High setup cost, Lower e-Literacy, Leakage of personal information, Cyber-attack (Any 3 challenges) **OR** Any 3 benefits and Challenges		
30	(a) Software is a set of programs to perform a desired and useful work by a computer. There are two types of software- system software and application software	2	5
	(b Operating system -> Linux , DOS Utility software -> WinRAR, WinZip Application program -> Spread sheet, Presentation software	½ score each	
31	(a) Charts are graphical representation of numeric data	1	5

	(b) i)Select data range ii) Insert-> Chart iii)Select Chart type
	    iv) set data range, chart elements etc
	   OR i)Select data range ii) Insert-> Chart
		2	

	(c) Chart Area , Chart Title , X- Axis Title , Y- Axis Title ,
	    X-Axis Category, Y- Axis value , Data Labels, Legends
	    (Name any 4 elements)
		½ score each	

32	Network Interface Card, Hub, Switch, Repeater, Bridge, Router , Gateway.(Any 5 devices with single line explanation) **OR** Names only	5 ½ score each	5

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