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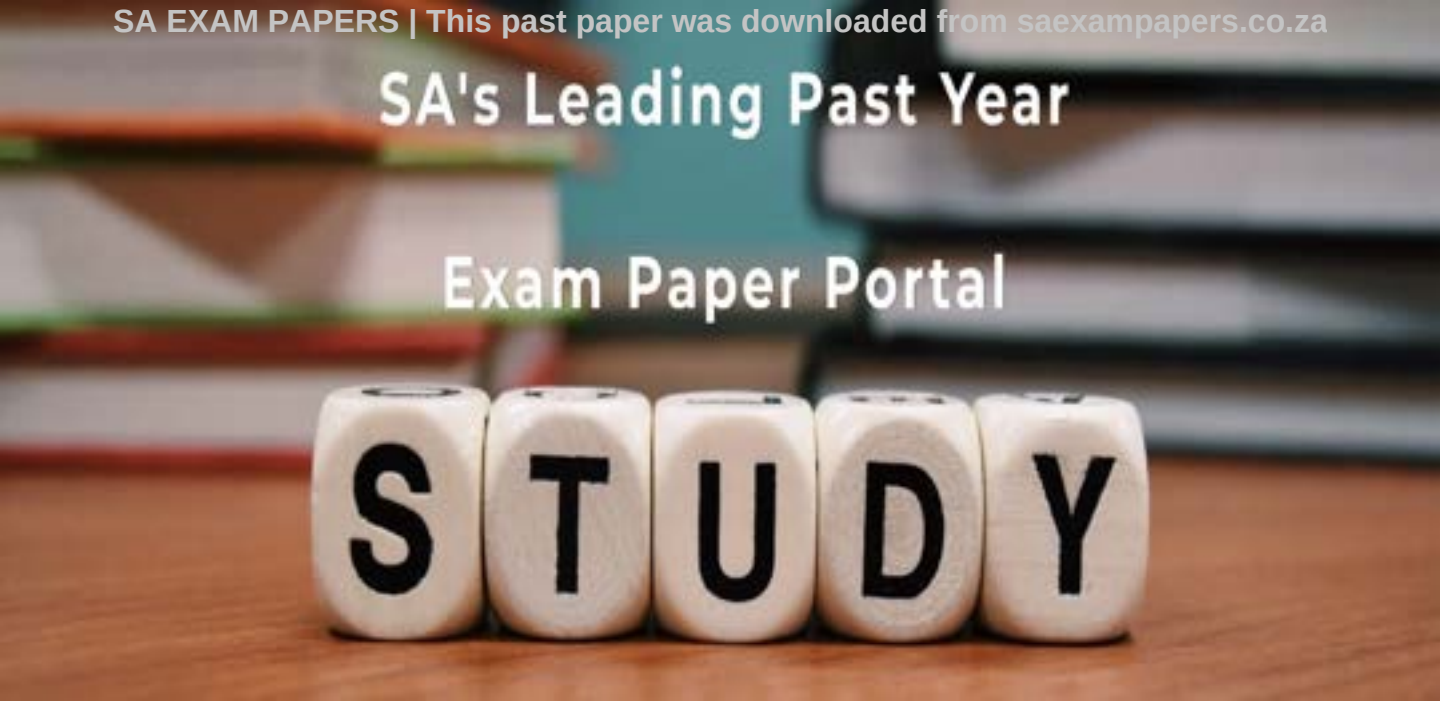

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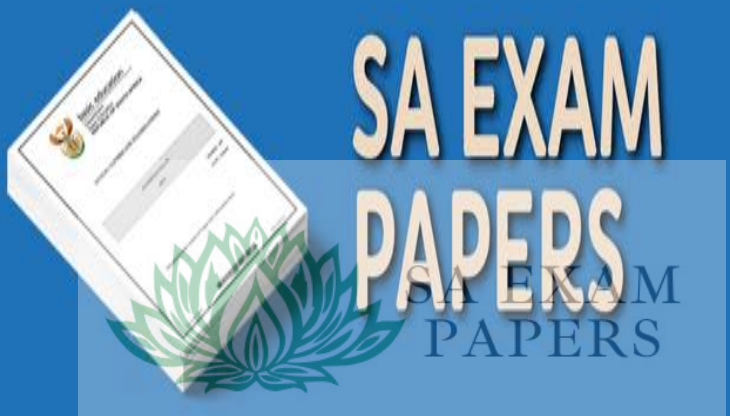

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NATIONAL SENIOR CERTIFICATE

GRADE 12

SEPTEMBER 2024

COMPUTER APPLICATIONS TECHNOLOGY P1 MARKING GUIDELINE

NAME OF CANDIDATE: _____ **GRADE:** _____

SIGNATURE OF EDUCATOR: _____

QUESTION	Q1	Q2	Q3	Q4	Q5	Q6	Q7	TOTAL
POSSIBLE MARKS	36	13	27	16	34	13	11	150
CANDIDATE'S MARK								
MODERATED MARK								

This marking guideline consists of 14 pages.

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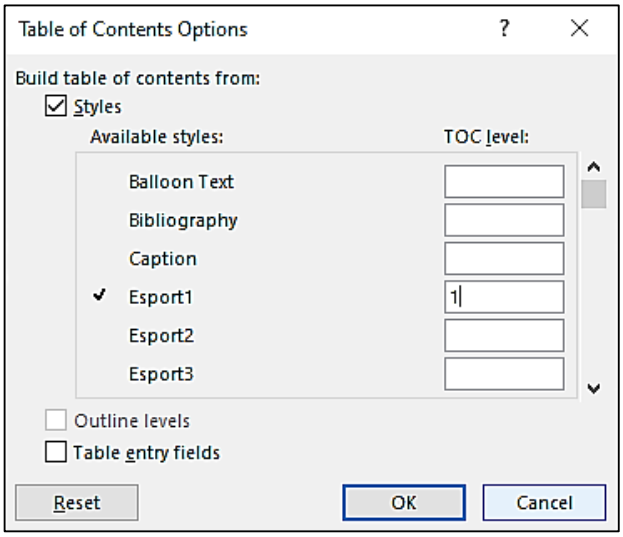
QUESTION 1 **File Name: Q1_Overview** **Total Q1: 36**

No.	Criteria	Maximum Mark			Candidate Mark
1.1	**Text:** **LET THE GAMES BEGIN** • All caps font effect applied ✓ **(Do not accept font changed to uppercase.)** • Outer offset bottom right shadow text effect applied ✓	1 1		2	
1.2	**Table of content:** Style Esport1 used in Table of content. ✓  • Table of content formal style ✓ • Solid line for page number ✓ • Esport1 Style applied to multiplayer ✓ • Page break/next page section break inserted before Dota 2 so that page number reflects page 3 ✓ DOTA 2 ____ 3 MULTIPLAYER ____ 5 DEVELOPMENT ____ 5 **{ TOC \H \Z \T "ESPORT1,1" }**	1 1 1 1 1		5	

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1.3.1	**First row of the table:** Top 10 Dota 2 Teams in the world. No | Logo | Team | Net worth | Rating | Last Played 1 | | Team Spirit | 602032 | 1493 | 1months ago • Row added above the table ✓ • All cells merged ✓ • Heading Top Dota 2 Teams in the world moved **(not copied)** into merged cell **and** centre aligned ✓	1 1 1		3	
1.3.2	**Last row of the table:** **Average Net Worth** | 431785.7 • Border inserted Thin inside line, thick outside line ✓ (**Note to marker:** Must be thin inside and thick outside right around.) • Formula = Average (Above) ✓	1 1		2	
1.4	**Columns:** • Two columns with a line in between ✓ **(Must do both to get 1 mark.)** • Inserted a column break before the heading "Each" ✓ Dota 2 is a 2013 multiplayer online battle arena (MOBA) video game by Valve. The game is a sequel to Defense of the Ancients (DotA), a community-created mod for Blizzard Entertainment's Warcraft III: Reign of Chaos. Dota 2 is played in matches between two teams of five players, with each team occupying and defending their own separate base on the map. Each of the ten players independently controls a powerful character known as a "hero" that all have unique abilities and differing styles of play. During a match player collect experience points and items for their heroes to defeat the opposing team's heroes in player versus player combat. A team wins by being the first to destroy the other team's "Ancient", a large structure located within their base.	1 1		2	
1.5	**Footnote to endnote:** Steam under the heading development • Footnote converted to endnote ✓ • Number format set to A, B, C, ... ✓	1 1		2	
1.6	**Citation:** • Citation under the heading international inserted ✓ most lucrative esport (Gwabeni, 2022). **(Note to marker:** Must be the source Gwabeni, 2022.**)**	1		1	

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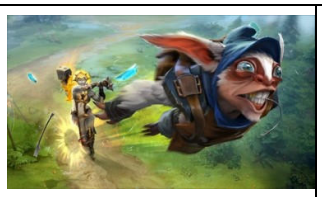
1.7	**Picture:** • Picture under the heading Carry Reset ✓  (**Note to marker:** no mark if the picture AND size is reset.)	1		1	
1.8	**Index:** • Highlight remove from the index ✓ **Original:** Present·on·the·map·are·"neutral·creeps{·XE·"creeps"·}"·that·are·hostile·to·both·teams,· **Correct:** Present·on·the·map·are·"neutral·creeps{·XE·"creeps"·}"·that·are·hostile·to·both·teams,· (**Note to marker:** Update index and see if highlight is still removed; learner must remove highlight in document not on the index itself.)	1		1	
1.9	**Index sub entry:** • WarcraftIII subentry Blizzard added **(Ignore spelling)** ✓ ·Warcraft·III{·XE·"WarcraftIII:Blizzard"·}· • Index update on the last page. ✓ Index **C** **M** creeps, 8 map, 8 **D** **W** Dota 2, 10 WarcraftIII Blizzard, 9	1 1		2	

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1.10	**Find and Replace:** • Replaced all the IceFrog words with Gabe ✓ • Gabe format Red underline ✓ and Bold ✓ • Match Case ✓ **(Page 9 Below the heading Development.)** **(4 Words replaced.)** **(7 Words if match case was not selected.)** and the holding company DotA-Allstars, LLC. When Feak retired from DotA: Allstars in 2005, a fellow website user under the pseudonym **Gabe**, became its lead designer. By the late 2000s, icefrog Defense of the Ancients became one of the most popular mods worldwide, as well as a prominent esports game. **Gabe** and Mescon later had a falling out in May 2009, which prompted the former to establish a new community website at playdota.com. Valve's interest in the icefrog Dota intellectual property began when several veteran employees, including Team Fortress 2 designer Robin Walker and executive Erik Johnson, became fans of the mod and wanted icefrog to build a modern sequel. The company corresponded with **Gabe** by email about his long-term plans for the project, and he was subsequently hired to design a sequel. **Gabe** announced his new position through his blog in October 2009, with Dota 2 being announced a year later.	1 1 1 1		4	
1.11	**Caption:** • New caption Label Hero created and added to the correct picture ✓ • Caption read as follows: Crystal Maiden ✓ • Updated in the table of figures on page 2/3 ✓ Hero 1 Carry_____ Hero 2 Crystal maiden _____ Hero 3 Bristle Back_____	1 1 1		3	
1.12.1	**Smart Art:** • The None bullet is added to 2005 by adding the text below it and **demoting** it to the correct level. ✓	1		1	
1.12.2	• Any **colourful style** applied ✓ 2003 •The international 1 •The Kuala Lumpur Major 2004 •Regional EU Champions •E Sport National 2005 •None 2009 •The international 8 2010 •China Major 2017 •EU Champions	1		1	

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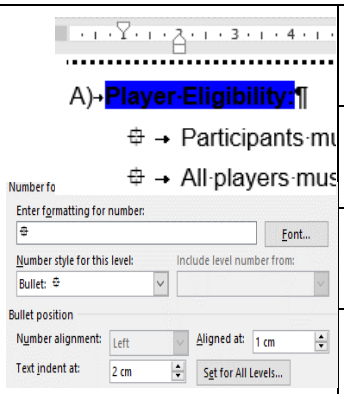
1.13	**Multiple level list:** • Level 1 A) ✓ • (**Note to marker:** Must have ')' in order to get this mark.) • Level 2 Bullet windings character code 176 ✓ • 2nd bullet aligned at 1cm ✓ • 2nd bullet 2 cm hanging indent ✓ 	1 1 1 1		4	
1.14	**Source:** • Film source added ✓ • Content added correctly ✓ Gwabeni, Z. (2022). *Dota 2 TI 8*. Retrieved from Dota 2 : www.dota.co.za Miles, J. (Director). (2009). *T8* [Motion Picture]. Wiliams, W. (2023). Dota 2: The international. *ESPORT*.	1 1		2	
	Total for QUESTION 1			**[36]**	

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QUESTION 2 **File Name: Q2_Application** **Total Q2: 13**

No.	Criteria	Maximum Mark			Candidate Mark
2.1	**Drop down form field:** • Blue Team added ✓ • In the correct order ✓ • Blue • Green • Red • Orange • Grey	1 1		2	
2.2	**Game title field:** • Text format of Game Title field changed to UPPERCASE ✓	1		1	
2.3	**Name field:** • Name field size 20 ✓	1		1	
2.4	**Check box field:** • Check box form field is checked ✓ ☒	1		1	
2.5	**Instructions to the signer:** • Please ensure this information is accurate ✓ Instructions to the signer: Please ensure this information is accurate	1		1	
2.6	**Text watermark:** • Text watermark inserted ✓ (Accept horizontal and diagonal.) • Text read Registration form ✓ • Must be on the 1st page only ✓	1 1 1		3	
2.7	**Tab stops:** • **Centre** tab inserted on **7 cm** ✓ • **Right** tab **24 cm with** leader a solid leader line ✓ • Tab key applied to last line in **two** places ✓ • Tabs applied to 11 Lines ✓ (**Note to the marker:** A learner must insert the tab AND insert it in the right place (CM) in order to get one mark.)	1 1 1 1		4	
	Total for QUESTION 2			**[13]**	

Item List

Item Name	Cost	Description
Power Treads	1400	+10Activate to switch between Strength, Agility, and Intelligence.
Blink Dagger	2250	Short-range teleportation ability.
Black King Bar	3975	Grants magic immunity for a duration.
Aghanim Sceptre	4200	Upgrades the ultimate ability of certain heroes.
Observer Ward	75	Provides vision in an area.
Sentry Ward	100	Reveals and detects invisible units in an area.
Dust of Appearance	180	Reveals and slows invisible units.
Boots of Travel	2500	Teleports to any allied non-hero unit on the map.
Desolator	3500	Reduces target armour on attacks.
Heart of Terrace	5200	Provides significant health regeneration.

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QUESTION 3 **File Name: Q3_IDplayer** **Total Q3: 27**

No	Criteria	Maximum Mark			Candidate Mark
Q3_IDplayer					
Players Worksheet					
3.1	**Column A:** • Autofill column A 1 to 50 ✓	1		1	
3.2	**Merged Cell:** • Merged cell includes row 3 ✓ (Merged A1:P3)	1		1	
3.3	**Cell D4:** • =MAX(D8:D57) ✓ **OR** • =LARGE(D8:D57,1) **Expected answer: 3961**	1		1	
3.4	**Cell G4:** =COUNTIFS(H8:H57,">1000",I8:I57,"<=2000") • Countifs ✓ • Range 1: H8:H57 ✓ • Criteria 1: “>1000” ✓ • Range 2: I8:I57 ✓ • Criteria 2: “<=2000” ✓ **Expected answer: 16**	1 1 1 1 1 1		5	
3.5	**Cell 08:** =IF(M8<"20/01/01",IF(E8>=2000,IF(F8<1500,"Yes",""),""),"") =IF(M8<DATE(2020,1,1),IF(E8>=2000,IF(F8<1500,"Yes",""),""),"") =IF(AND(M8<DATE(2020,01,01),E8>=2000,F8<1500),"Yes","") • 1st Condition ✓ • 2nd Condition ✓ • 3rd Condition ✓ • If true Yes ✓ • If false blank "" ✓ • Used nested if as a AND or Used the AND function ✓	1 1 1 1 1 1 1		6	
3.6	**Cell P8:** • Column index number changed from 3 to 2 ✓ • False Changed to True **or** removed ✓ • Sort Lookup Table from small to large according to column A ✓	1 1 1		3	

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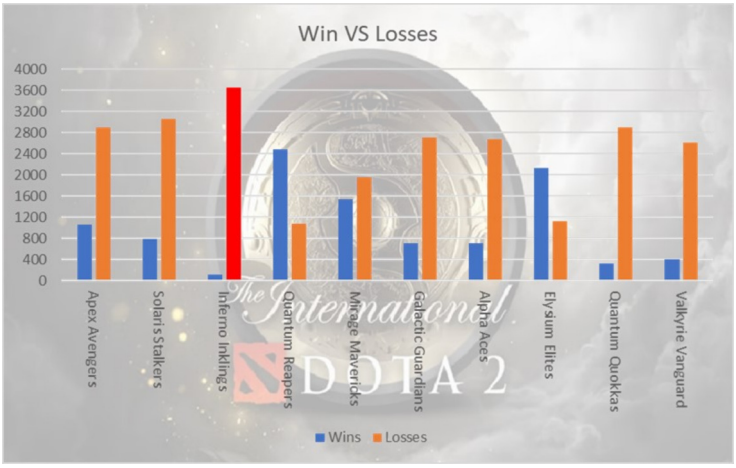
Travel worksheet					
3.7	**Cell E4:** =IF(C4="Yes",D4+$D$2,D4) =IF(C4="No",D4,D4+$D$2) • C4="Yes" ✓ • True: **D4+**$D$2 ✓ • Absolute Cell reference ✓ • False: **D4** ✓	1 1 1 1		4	
Graph Worksheet					
3.8	**Graph:** • Heading Win vs Losses added ✓ • Vertical (Value) Axis: major units changed to 400.0 ✓ • Fill the highest data label with a red colour ✓ • Q3Chart Picture inserted in the chart area ✓ • 70% Transparency applied to the picture ✓ • Horizontal axis rotated to “Rotate all text 90°” ✓ 	1 1 1 1 1 1		6	
	Total for QUESTION 3			**[27]**	

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QUESTION 4 **File Name: Excel: Q4_Players** **Total Q4: 16**

No.	Criteria	Maximum Mark			Candidate Mark
Q4_Players					
Ranking Worksheet					
4.1	**File Header:** • Ranking Worksheet Filename inserted in the centre of the header ✓ Field: &[File] Output: Q4_Players	1		1	
4.2	**Conditional Formatting:** • Applied to range A4:A26 ✓ • Formula: D4<=5 ✓ **Or** =$D4<=5 **Or** =$D4:$D26<=5 **Or** =$D4:$D26<6 **Or** =$D4<6 • Absolute cell reference removed, i.e. **NOT** $D**$**4 ✓ • Colour fill **blue** ✓	1 1 1 1		4	
4.3	**Cell E3:** =CONCATENATE(MID(A4, FIND(" ", A4)+1 ,1), MID(B4 ,2,1), C4) • CONCATENATE ✓ **(No mark for &)** • MID and A4 ✓ • Find the space ✓ • A4 + 1 ✓ **(both for 1 mark)** • 1st Character of the surname ✓ • MID(B4) ✓ • 2nd Character of ID number ✓ • C4 ✓ (Pro or Amateur) **Check for building blocks.**	1 1 1 1 1 1 1 1 1		8	
4.4	**Details worksheet:** • Untick locked for cells B2:B4 ✓ • Sheet protected ✓ (**Note to marker**: no password added. If password added, learner loses second mark)	1 1		2	
4.5	Renamed **sheet1** to **Game** ✓	1		1	
	Total for QUESTION 4			**[16]**	

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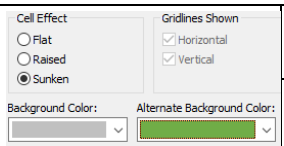
QUESTION 5 **File Name: Q5_GameStats** **Total Q5: 34**

No.	Criteria	Maximum Mark			Candidate Mark
5_1Table					
5.1	**Table 5_1Table in datasheet view:** • Sunken cell effect ✓ • Alternative back colour green ✓ 	1 1		2	
5.2.1	**Player ID Field:** • Primary key added to the Player ID field ✓	1		1	
5.2.2	**PlayerName Field:** • PlayerName field size 50 ✓	1		1	
5.2.3	**GamesPlayed Field:** • GamesPlayed required field ✓ **Or** Validation rule: Is **NOT** Null	1		1	
5.2.4	**Distance traveled Field:** Validation rule added: • Between 30 ✓ And ✓ 500 ✓ **or** >=30 And <=500 **or** >29 And <501	1 1 1		3	
5.2.5	**Skins Field:** • Skins format changed to true/false ✓ **(default was yes/no)**	1		1	
Qry5_3 Query					
5.3	• Totals activated in Design view ✓ • Avg Frequency of logins ✓ • Formatted to 0 decimal places ✓	1 1 1		3	
Qry5_4 Query					
5.4	AccountAge:(Date()-[Date of account creation])/30 **Or** AccountAge: (Date()-[Date of account creation])/365.25*12 • Calculated field called **AccountAge** Added. ✓ • Date() ✓ • Subtraced **and** used [Date of account creation]. ✓ • Correct use of brackets ✓ • /30 ✓ **Or** /365.25*12.	1 1 1 1 1 1		5	

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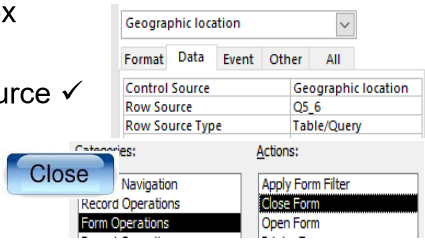
Qry5_5 Query					
5.5	• >30000 on the followers column ✓ • Display only the username ✓ • Sort username in decending order ✓ • [Experience]< [Score] ✓ on correct fields ✓	1		5	
	Field: Username | Experience | Score | Followers Table: INFO | INFO | INFO | INFO Sort: Descending Show: ☑ | ☐ | ☐ | ☐ Criteria: | <[Score] | | >30000	1			
	OR				
	Field: Username | Experience | Score | Followers Table: INFO | INFO | INFO | INFO Sort: Descending Show: ☑ | ☐ | ☐ | ☐ Criteria: | | >[Experience] | >30000	1			
	OR				
	Field: Username | Experience | Score | Followers Table: INFO | INFO | INFO | INFO Sort: Descending Show: ☑ | ☐ | ☐ | ☐ Criteria: | [Experience]<[Score] | | >30000	1			
Frm5_6 Form					
5.6	• Geographic location text box changed to a combo box ✓ • Q5_6 table used as row source ✓ • Button inserted ✓ • Operation to close the form ✓ • Used 5_6Close picture for button ✓	1		5	
		1			
		1			
		1			
		1			
Rpt5_7 Report					
5.7	• Heading changed in the report header to "Total followers per country" **and** centred across the page ✓ • **Grouped** according to geographical location ✓ • **Moved** the field **geographical location** to the group header ✓ • Calculated field added to the **group footer** of geographical location ✓ • =Sum ✓ ([Followers]) ✓ • Formatted the field geographical location to any **grey background** colour ✓	1		7	
		1			
		1			
		1			
		1			
		1			
		1			
	Total for QUESTION 5			**[34]**	

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QUESTION 6 **File Name: Q6_1ESport, Q6_2Ranking** **Total Q6: 13**

No	Criteria	Maximum Mark			Candidate Mark
6.1.1	**Tab Name:** `<title> Esport </title>` • Both <title> and </title> added on the correct place ✓	1		1	
6.1.2	**Dota 2 TI10 heading:** `<font size="10" color="red"><marquee>Dota 2 TI10</marquee> </font>` • Added font size of **10** ✓ • Changed colour to **color** ✓	1 1		2	
6.1.3	**List of events of 2023 heading:** `<font face = "arial">` • Changed type to face ✓	1		1	
6.1.4	**Bullet list:** `<ol type="A">..</ol>` • Changed the to and to ✓ • Type = "A" ✓ • Closing tag of first list item changed from `<li>` to `</li>` ✓ A. The International (Dota 2) B. League of Legends World C. Counter-Strike: Global Offensive D. Fortnite World Cup E. Overwatch League Grand Finals F. Call of Duty League Champions G. FIFA eWorld Cup H. StarCraft II World Championship I. Rainbow Six Siege Pro League J. Hearthstone Masters Tour K. Rocket League Championship	1 1 1		3	
6.1.5	**Name No Tail:** `<td valign = "Middle" align = "center">No Tail</td>` • <td valign = "Middle" ✓ • align = "center" ✓>No Tail</td>	1 1		2	
6.2.1	**Team Liquid picture:** `<img src ="Q6PIC/TL.jfif"` • TL.png changed to TL.jfif ✓	1		1	
6.2.2	**Stats heading:** `<th colspan="4">Stats</th>` • Colspan = 4 ✓ • Correct position: inserted in the <th> tag ✓	1 1		2	
	Closing tags, nesting done correctly ✓	1		1	
	Total for QUESTION 6			**[13]**	

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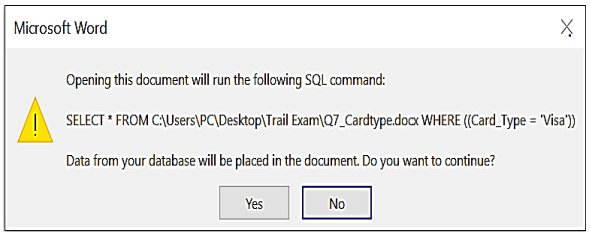
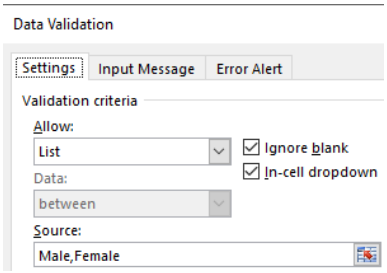
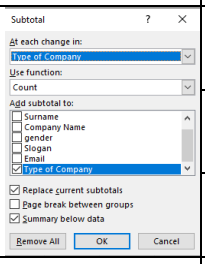
QUESTION 7 File Name: Q7_Cardtype, Q7_Data, Q7_MergeLetter Total Q7: 11

No	Criteria	Maximum Mark			Candidate Mark
7.1.1	**Q7_MergeLetter:** • Both track changes accepted ✓	1		1	
7.1.2	**Q7_MergeLetter:** • Correct source "Q7_CardType.docx" used ✓ • Only the visa card type ✓ • Replaced the name and surname fields ✓  • Merged completed & Saved as Q7Merged ✓ **9 completed letters expected in Q7Merged.**	1 1 1 1		4	
7.2.1	**Q7_Data file IP worksheet:** • Data validation applied to Colum E gender ✓ • Only male and female accepted ✓  	1 1		2	
7.2.2	**Dup worksheet:** • All dup removed 50 records left ✓	1		1	
7.2.3	**Company worksheet:** • At each change in: Type of company ✓ • Use function: Count used ✓ • Add subtotal to: Type of company ✓  	1 1 1		3	
	Total for QUESTION 7			**[11]**	
	TOTAL:			**150**	

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