



Mark Scheme (Results)

Summer 2025

Pearson Edexcel International Advanced
Subsidiary In Information Technology (WIT14)
Paper 01

Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications are awarded by Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at www.edexcel.com or www.btec.co.uk. Alternatively, you can get in touch with us using the details on our contact us page at www.edexcel.com/contactus.

Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

Summer 2025

Question Paper Log Number P79863

Publications Code WIT14_01_2506_MS

All the material in this publication is copyright

© Pearson Education Ltd 2025

Unit 4 Summer 2025– Mark Scheme

Note to examiners

Where example screenshots are included, these are indicative content only and not a definitive answer. Students should receive credit based on the marking instructions in the answer column.

Question number	Answer	Additional Guidance	Mark
1(a)	Data type error		
	A1	ActivityDuration changed to Number	1
	Total		1

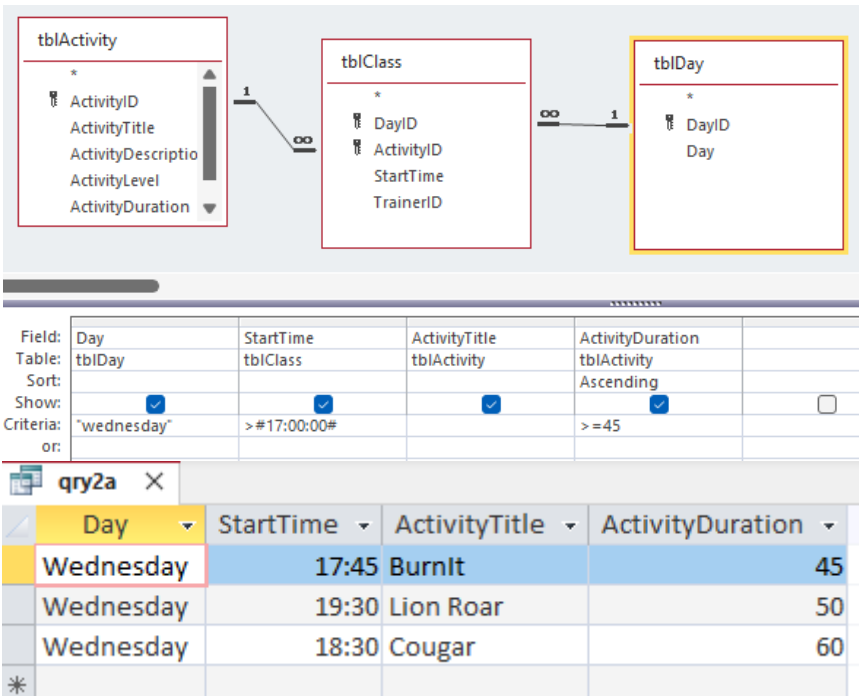
Question number	Indicative content	Mark
1(b)	<p>Analysis</p> <ul style="list-style-type: none"> • ActivityID has to be three uppercase letters. Input mask needed • ActivityTitle has to be present so presence check needed • ActivityDuration is a range from 45 to 60 mins. Range check needed • ActivityMaxNumber is a range from 15 to 25. Range check needed <p>Recommendations</p> <p>ActivityID field</p> <ul style="list-style-type: none"> • input mask >LLL to accept three letters and force to uppercase. • Test data for lowercase, too many characters, numbers and a valid test <p>ActivityTitle</p> <ul style="list-style-type: none"> • Presence check • Test data no data input and a valid data entry <p>ActivityDuration</p> <ul style="list-style-type: none"> • Range check 45 to 60 inclusive • Test data below, on and above each boundary e.g. 44,45,60,61 <p>ActivityMaxNumber</p> <ul style="list-style-type: none"> • Range check 15 to 25 inclusive • Test data below, on and above each boundary e.g. 14,15,25,26 	9

Level	Mark	Descriptor
	0	No Awardable content
Level 1	1-3	<ul style="list-style-type: none"> • Analysis is flawed or superficial, containing simple statements that show limited understanding of the subject matter. • Solution may contain some aspects that are appropriate, but is generally ineffective.
Level 2	4-6	<ul style="list-style-type: none"> • Analysis is sound, containing minor inaccuracies or omissions, showing some understanding of the given issue. • Solution is workable but may have minor issues.
Level 3	7-9	<ul style="list-style-type: none"> • Analysis is sound and developed, containing ideas that are linked together in a fluent and logical way, showing a thorough understanding of the given issue. • Solution is appropriate and workable.
Total		9

Question number	Answer	Additional Guidance	Mark	
1(c)	Add new activity form			
	C1	Opens ready for data entry	1	
	C2	These fields present <ul style="list-style-type: none"> • ActivityID • ActivityTitle • ActivityDescription • ActivityDuration • ActivityMaxNumber 	No inappropriate fields should be included	1
	C3	ActivityLevel is a combo box	If you cannot see the label Level do not award	1
	C4	Three from: <ul style="list-style-type: none"> • Form has meaningful title • Form labels are appropriate (not database field names / spaces where appropriate) • Entry boxes on form are resized appropriately to reflect the expected data • Data input aid(s) e.g.(asterisks, instructions etc) 		1
	C5	Button present and suitably labelled e.g. Save		1
	C6	ActivityLevel source: Beginner, Intermediate, Advanced	Must only be included in the combo/list box once each	1
	C7	Save record or equivalent is present	If the form is unbound then need append query and see it running in the macro	1
	C8	Data for each of these field would be saved in tblActivity <ul style="list-style-type: none"> • ActivityID • ActivityTitle • ActivityDescription • ActivityDuration • ActivityMaxNumber • ActivityLevel 	Must have C7 and see ActivityLevel as the control source of the combo box	1
	C9	Save message displays		1
C10	Form clears ready for data entry		1	
Total			10	

Question number	Answer	Additional Guidance	Mark	
1(d)	Table Structure Any five table solutions send to PE			
	D1	Use of appropriate table and field names and naming conventions	Table names use tbl. Table and field names use case consistently	1
	D2	Day table has the correct fields only		1
	D3	Trainer table has the correct fields only		1
	D4	Class table has the correct fields only		1
	D5	1:M relationship between Day and Class		1
	D6	1:M relationship between Trainer and Class		1
	D7	1:M relationship between Activity and Class		1
	D8	Appropriate primary key used for Day table e.g. DayID		1
	D9	Appropriate primary key used for Trainer table e.g. TrainerID		1
	D10	Appropriate composite key used for Class <ul style="list-style-type: none"> DayID, ActivityID 		1
D11	Date types <ul style="list-style-type: none"> Text used for TrainerMobile Date/Time used for StartTime 		1	
Total			11	

Question number	Answer	Additional Guidance	Mark
1(e)	Import		
	E1	Day table – 7 records	1
	E2	Trainer table – 4 records	1
	E3	Class table – 21 records	Cannot be awarded if it is the data file rather than a new table
Total			3
Total for question			34

Question number	Answer	Additional Guidance	Mark
2(a)	Wednesday's timetable query		
			
Design view			
A1	Day – "Wednesday" OR DayID - 4	Accept ' ' in place of "" around Wednesday Accept ' ' or "" around 3	1
A2	StartTime Any criteria that finds the first class after 17:00 e.g. <ul style="list-style-type: none"> >#17:00:00# >#5:00:00 pm# 	Accept ' ' or "" in place of ##	1
A3	ActivityDuration minimum of 45 <ul style="list-style-type: none"> >=45 >44 	Accept ' ' or "" around the number	1
A4	ActivityDuration sorted into ascending order	If more than one sort, ActivityDuration must be the first column in the query grid	1
Datasheet view			
A5	Field headings and data are not truncated		1
A6	Correct data shown	May also include records added as part of their testing.	1
Total			6

Question number	Answer	Additional Guidance	Mark
-----------------	--------	---------------------	------

2(b)(i)

Advanced level activities query

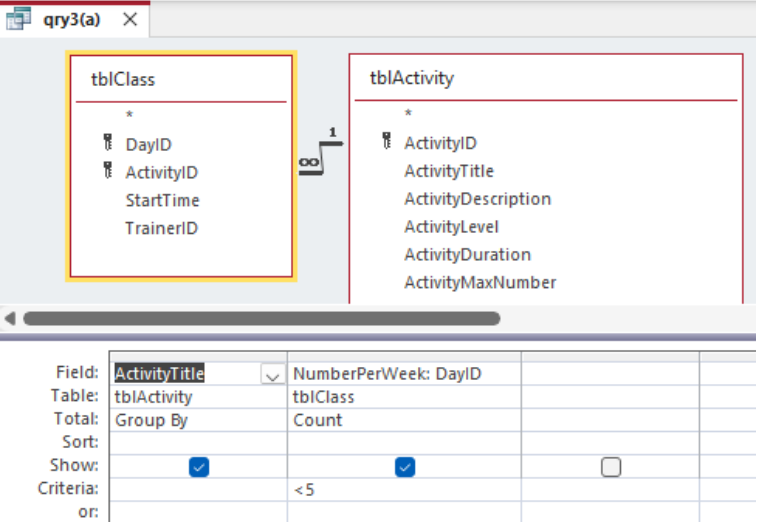
Field:	DayID	Day	NumberTimetabled: ActivityID	ActivityLevel	EarliestActivity: StartTime	LatestActivity: StartTime
Table:	tblDay	tblDay	tblClass	tblActivity	tblClass	tblClass
Total:	Group By	Group By	Count	Group By	Min	Max
Sort:						
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:				"advanced"		
or:						

Design view

B1	ActivityLevel <ul style="list-style-type: none"> Criteria correct - "Advanced" 	Accept ' in place of ""	1
B2	Number of activities Count used on a field		1
B3	StartTime field <ul style="list-style-type: none"> Min OR Max used on start time field 		1
B4	Earliest and latest start times <ul style="list-style-type: none"> Min used for earliest start time Max used for latest start time 	Must be able to determine that min is being used for the earliest and max is being used for the latest	1
B5	At least one generated field has a suitable field name		1
		Total	5

Question number	Answer	Additional Guidance	Mark																																																																																		
2bii	<p>Advanced level activity report</p> <div data-bbox="416 293 1386 707" style="border: 1px solid black; padding: 5px;"> <p>Report Header</p> <p style="text-align: center;">Advanced Level Activities by Day</p> <p>Page Header</p> <p>DayID Header</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="3">Day</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> </thead> <tbody> <tr> <td colspan="3">Detail</td> </tr> <tr> <td>NumberTimetabled</td> <td>EarliestActivity</td> <td>LatestActivity</td> </tr> </tbody> </table> <p>Page Footer</p> <p>Report Footer</p> <table border="1" style="width: 100%; text-align: right;"> <tr> <td>Overall Activities</td> <td>=Sum([NumberTimetabled])</td> </tr> </table> </div> <div data-bbox="416 712 1386 1787" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Advanced Level Activities by Day</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="3">Monday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>17:15:00</td> <td>18:15:00</td> </tr> <tr> <th colspan="3">Tuesday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> <tr> <td>1</td> <td>19:05:00</td> <td>19:05:00</td> </tr> <tr> <th colspan="3">Wednesday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> <tr> <td>2</td> <td>17:30:00</td> <td>18:15:00</td> </tr> <tr> <th colspan="3">Thursday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> <tr> <td>2</td> <td>09:30:00</td> <td>10:30:00</td> </tr> <tr> <th colspan="3">Friday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> <tr> <td>1</td> <td>16:45:00</td> <td>16:45:00</td> </tr> <tr> <th colspan="3">Saturday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> <tr> <td>1</td> <td>09:30:00</td> <td>09:30:00</td> </tr> <tr> <th colspan="3">Sunday</th> </tr> <tr> <th>Number Timetabled</th> <th>Earliest Activity</th> <th>Latest Activity</th> </tr> <tr> <td>2</td> <td>10:00:00</td> <td>10:45:00</td> </tr> <tr> <td colspan="3" style="text-align: right;">Overall Activities 11</td> </tr> </tbody> </table> </div>			Day			Number Timetabled	Earliest Activity	Latest Activity	Detail			NumberTimetabled	EarliestActivity	LatestActivity	Overall Activities	=Sum([NumberTimetabled])	Monday			Number Timetabled	Earliest Activity	Latest Activity	2	17:15:00	18:15:00	Tuesday			Number Timetabled	Earliest Activity	Latest Activity	1	19:05:00	19:05:00	Wednesday			Number Timetabled	Earliest Activity	Latest Activity	2	17:30:00	18:15:00	Thursday			Number Timetabled	Earliest Activity	Latest Activity	2	09:30:00	10:30:00	Friday			Number Timetabled	Earliest Activity	Latest Activity	1	16:45:00	16:45:00	Saturday			Number Timetabled	Earliest Activity	Latest Activity	1	09:30:00	09:30:00	Sunday			Number Timetabled	Earliest Activity	Latest Activity	2	10:00:00	10:45:00	Overall Activities 11				
Day																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
Detail																																																																																					
NumberTimetabled	EarliestActivity	LatestActivity																																																																																			
Overall Activities	=Sum([NumberTimetabled])																																																																																				
Monday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
2	17:15:00	18:15:00																																																																																			
Tuesday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
1	19:05:00	19:05:00																																																																																			
Wednesday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
2	17:30:00	18:15:00																																																																																			
Thursday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
2	09:30:00	10:30:00																																																																																			
Friday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
1	16:45:00	16:45:00																																																																																			
Saturday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
1	09:30:00	09:30:00																																																																																			
Sunday																																																																																					
Number Timetabled	Earliest Activity	Latest Activity																																																																																			
2	10:00:00	10:45:00																																																																																			
Overall Activities 11																																																																																					
	B6 Title is in the page or report header	Design view only. Do not accept title in detail section	1																																																																																		
	B7 Title is appropriate	Either view	1																																																																																		

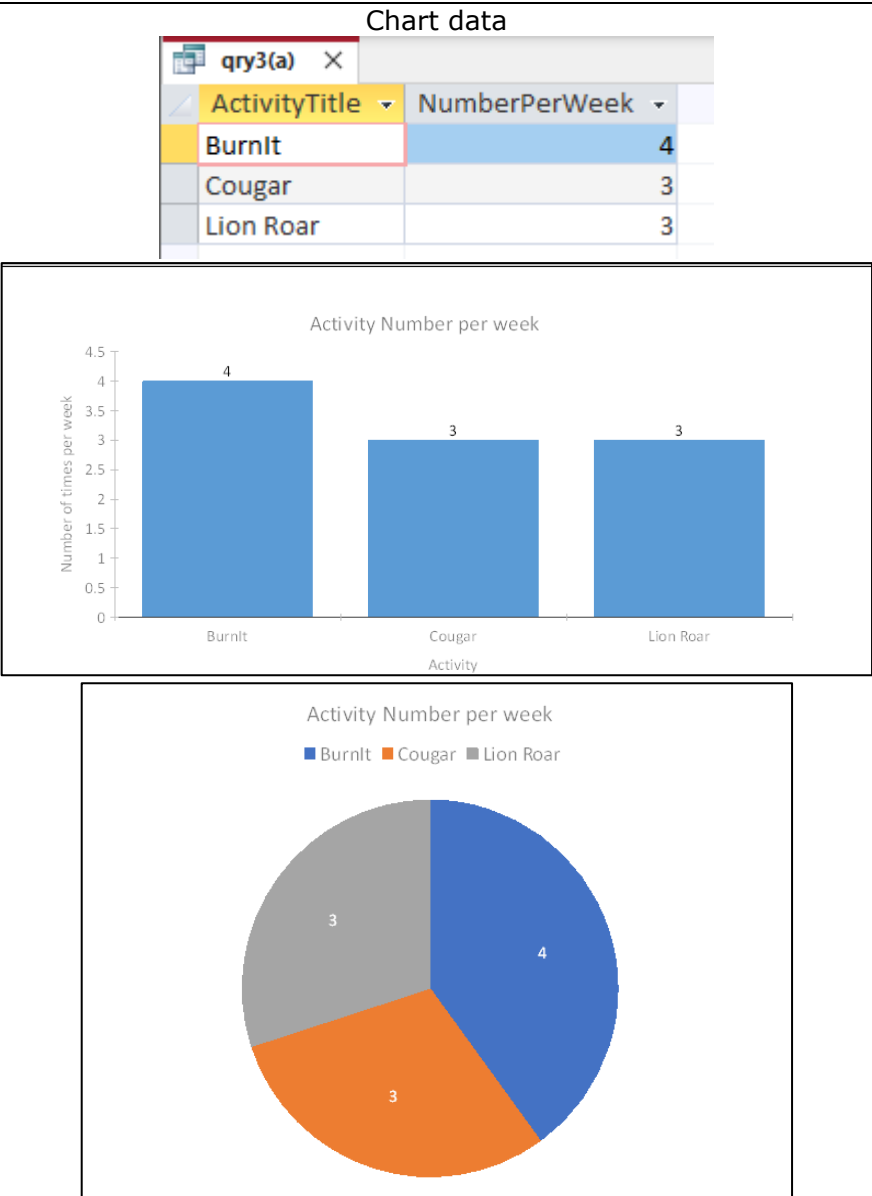
B8	Grouped by DayID/Day	Design view only	1
B9	Name of the day field is in the DayID/Day Group header OR The name of each day appears only once	Either view	1
B10	Detail/DayID/Day section includes <ul style="list-style-type: none"> The number of advanced level activities The earliest activity start time The latest activity start time 	Design view only	1
B11	Overall number of activities calculated e.g. <ul style="list-style-type: none"> Sum(NumberOfActivities) 	Design view only	1
B12	Overall number of activities in the report header/footer	Design view only Must have B11	1
B13	Labels include spaces where appropriate	Either view	1
Print Preview			
B14	White space used effectively		1
B15	Alignment of field values and their labels appropriate		1
B16	Report fully correct and fit for purpose	Must have B6 to B15 and be fit for purpose	1
Total			11
Total for question			22

Question number	Answer	Additional Guidance	Mark
3a	<p>Query for Chart</p> 		
A1	No inappropriate fields included		1
A2	Number per week calculated <ul style="list-style-type: none"> Count(any field) 		1
A3	Criteria correct for number per week <ul style="list-style-type: none"> <5 <=4 	Accept "" or \' around the value	1
A4	Generated field has a suitable field name		1
Total			4

Question number	Answer	Additional Guidance	Mark
-----------------	--------	---------------------	------





3b

Chart



	Bar Chart	Pie Chart		
B1	Chart created in Access	Chart created in Access		1
B2	Meaningful chart title used	Meaningful chart title used	Must refer to Number of activities each week	1
B3	One axis shows activity names	Activity names on legend or as data labels on chart		1
B4	At least one axis has suitable label (Activity name or Number of times each week)	Suitable legend – can clearly see which Activity name is linked to a sector – by use of colour and/or shading		1

	B5	Number of times axis contains suitable scale AND / OR Data values are shown on the bars/columns	Number of times data values are shown on each sector of the pie chart		1
	B6	Bar/column chart is fit for purpose B1 to B5 achieved AND <ul style="list-style-type: none"> • No legend • Appropriate sizing of elements on page (e.g. title larger than axis labels, data labels) • Activity names and Number of times match data in database 	Pie chart is fit for purpose B1 to B5 achieved AND <ul style="list-style-type: none"> • Has legend • Appropriate sizing of elements on page (e.g. title larger than legend labels, data labels) • Activity names and Number of times match data in database 		1
Total					6
Total for question 3					10

Question number	Answer	Additional Guidance	Mark
4	<p>Dashboard</p> <div data-bbox="523 293 1281 770" style="border: 1px solid black; padding: 10px; text-align: center;"> <p>User Menu</p> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;">  Print activity table </div> <div style="text-align: center;">  View activities chart </div> <div style="text-align: center;">  View and print Wednesday activities </div> <div style="text-align: center;">  Exit </div> </div> </div>		
A1	Appropriate heading and four appropriately labelled buttons	Button labels must be written to help the user e.g. not Open query 2a, not open the query	1
A2	Activity table would print without opening e.g. <pre style="margin-left: 40px;"> SelectObject Object Type Table Object Name tblActivity In Database Window Yes RunMenuCommand Command PrintObject </pre>		1
A3	Chart from 3(b) would open in Print Preview (Number of activities that run fewer than five times a week)		1
A4	Query from 2(a) would print after opening. (Wednesday evening classes) Example <pre style="margin-left: 40px; background-color: #f0f0f0; padding: 5px;"> OpenQuery Query Name q 2 a) View Datasheet Data Mode Edit RunMenuCommand Command PrintObject </pre>		1
A5	Database would close		1
Total			5
Total for question 4			5

Question number	Indicative content	Mark
5	<p>Analysis</p> <ul style="list-style-type: none"> • No member table to hold member details • Class table <ul style="list-style-type: none"> ○ Only suitable for one week ○ Each activity can only be run once in a day ○ No dates of classes ○ Cannot repeat the primary key of the class table for a different week ○ Structure needs to be suitable for a class to be repeated each week/day ○ One class can have many members taking part and one member can take part in many classes so a many to many relationship that needs to be resolved <p>Recommendations</p> <ul style="list-style-type: none"> • Create a table for the members - tblMember <ul style="list-style-type: none"> ○ Add a primary key - MemberID ○ Add fields for the details of the member e.g. surname, email, DOB, telephone, address • Keep tblClass <ul style="list-style-type: none"> ○ Delete the composite key and add a primary key ClassID to make it easier to link the class with the member ○ Delete DayID ○ Add the field ClassDate ○ Keep the fields TrainerID, ActivityID and StartTime • Create tblAttendance <ul style="list-style-type: none"> ○ Use a composite primary key ClassID and MemberID ○ Possibly add a field Attended? to record attendance • Delete tblDay as it will not be needed as it is the date of the class that is more important 	

Level	Mark	Descriptor
	0	No Awardable content
Level 1	1-3	<ul style="list-style-type: none"> • Analysis is flawed or superficial, containing simple statements that show limited understanding of the subject matter. • Solution may contain some aspects that are appropriate, but is generally ineffective.
Level 2	4-6	<ul style="list-style-type: none"> • Analysis is sound, containing minor inaccuracies or omissions, showing some understanding of the given issue. • Solution is workable but may have minor issues.
Level 3	7-9	<ul style="list-style-type: none"> • Analysis is sound and developed, containing ideas that are linked together in a fluent and logical way, showing a thorough understanding of the given issue. • Solution is appropriate and workable.
Total		9

