Awarding Body:
Programme Name:
Module Name (and Part if applicable):
Assessment Title: Technology in Organisations
Student Number:
Tutor Name:
Word Count: 3000 Please refer to the Word Count Policy on your Module Page for guidance

Contents

Introduction

Task 1 – Case Study & Questions

Amazon is well known multinational business. A major investment strategy is in place to improve its ability to be more successful and achieve competitive advantage by use of information systems linked to Cloud Computing.

1a) Describe the evolving role of Cloud Computing within modern day organisations from cloud computing service models point of view. (15 marks)

For this question you must be able to describe three service models of cloud computing (ie: IaaS; SaaS & PaaS) in their own words with relevant diagram/s from reliable source. You must use example of Amazon, for complete answer. Don't forget to include intext citations. (500 words)

1b) Discuss the key benefits organisations like Amazon gain after adopting Cloud Computing. (15 marks)

For this question you must discuss the key benefits organisations like Amazon gain after adopting Cloud Computing (ie: what the advantages are for organisations such as Amazon in using cloud computing). Discuss clearly using full sentences and in your own words. Don't forget to include intext citations. (500 words)

See Lesson 4 PowerPoint slides on cloud computing.

Task 2 − − Security and Privacy

2a) Suggest any three security requirements that any organisation must implement and explain how a framework can be used by organisations for security and control of its data. Example required. (30 marks)

For this question, you must write a clear explanation with reference to any organization of any three security requirements that an organisation must implement and explain how a framework (both physical and software) can be used by organisations for security and control of its data by exploring any two ways to control access and provide security to their computer networks. For complete answer you must provide diagram for each requirement. • You can make reference to any organisation for this task (e.g Amazon) Don't forget to include intext citations. (500 words)

Task 3 – Telecommunication and spreadsheets

3a) Discuss some of the key networking infrastructure within your choice of organisation might use for everyday business operations. (20 marks)

For this question, you have to clearly discuss some of the key networking infrastructure within any organisation for everyday business operations. Don't forget to include intext citations. (500 words).

See Lesson 5 PowerPoint slides for an explanation of network infrastructure.

3b) Below is a spreadsheet from the Sales department of AllTech Group. Based on the information in the spreadsheet below, calculate: i) the Total of all countries Quarters, Mean, Median, Max and Min value of the quarter. ii) the number of countries during Q2 with a forecast of more than £27,000. iii) the number of countries during Q4 less than £15,000. (40 marks)

| AllTech Group | | | | | |
| Forecasted Revenue for 2021 | | | | | |
Country	Q1	Q2	Q3	Q4	Quarter Totals
Canada	45,000	36,000	41,000	44,000	166,000
Singapore	33,000	32,000	35,000	30,000	130,000
Pakistan	25,000	21,000	22,000	21,000	89,000
Nigeria	10,000	9,000	11,000	8,000	38,000
UAE	51,000	57,000	55,000	52,000	215,000
Spain	19,000	22,000	21,000	22,000	84,000
Germany	26,000	28,000	30,000	29,000	113,000
				Total	
				Minimum	
				Maximum	
				Mean	
				Median	

For this task, prepare an Excel spreadsheet of 7 countries based on the screenshot above (ie: replicate the spreadsheet above), and be able to provide all required calculation by using excel functions or formulae. All formulae and a screenshot of your Excel spreadsheet are needed for complete answer. i. the Total, Mean, Median, Max and Min value of the "Quarter Totals". (10 marks) ii. provide the number of countries during Q2 with a forecast of more than £27,000. (5 marks) iii. the number of countries during Q4 less than £15,000. (5 marks) (20 marks) (Maximum 1000 words, 40 marks, LO3 & 4) You must include formulae and snapshots of your answers in your assignment. You must provide the formulae to score full marks. Also, you must replicate the spreadsheet in the question paper in order to address the questions within that section. There is no recommended word count for this task.

Conclusion

Reference List