

Model Paper

AAT Level II

Information Systems in Digital Environment (ISD)

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- 1.7 First Mainframe computer introduced by
- Microsoft
 - Intel
 - Dec
 - Wintel
- 1.8 Workbooks and worksheets are features of
- Presentation Software
 - Spreadsheets
 - Word processing Software
 - Graphic Software
- 1.9 The indivisibility of data unit is known as
- Consistency
 - Isolation
 - Durability
 - Atomicity
- 1.10 The environment friendly computing practice is known as
- Green Computing
 - Cloud computing
 - SMART Computing
 - Business Computing

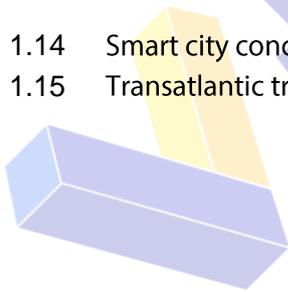
(2 Marks each, 20 Marks)

State whether each of the following statements from 1.11 to 1.15 is **True** or **False**.

- 1.11 Processing Complexity is very low in Decision Support Systems (TRUE/ FALSE)
- 1.12 Backdoor access to IT System is a threat in modern IT world (TRUE/ FALSE)
- 1.13 Computer Crimes act helps to identify and punish via payment devices (TRUE/FALSE)
- 1.14 Smart city concept introduced under industrial revolution 2 (TRUE/FALSE)
- 1.15 Transatlantic transmission cable laid in the era of Fintech 1.0 (TRUE/FALSE)

(1 Mark each, 5 Marks)

Total 25 Marks



Section B

Total 50 Marks

Question 02

Information is important asset in modern business world. Many organizations are investing considerable amount of capital for generating valuable information for decision making.

- i. List down 4 characteristics of quality information (4 Marks)
- ii. Explain how Human Resource operation can utilize information technology (4 Marks)
- iii. State 2 Differences between data and information (2 Marks)

(10 Marks)

Question 03

DJ Shirts is a garment factory that manufacturing shirts for local market. They have 3 factories in Katunayaka, Biyagama and Koggala. They are planning to implement ERP system to stream line their business process. They are planning to sell their shirts via electronic commerce and mobile commerce platform too.

- i. Write 2 examples for ERP systems (2 Marks)
- ii. Explain the way that DJ Shirts can use cloud computing (2 Marks)
- iii. List down 3 advantages of E-commerce for DJ Shirts (3 Marks)
- iv. List down 3 types of electronic commerce (3 Marks)

(10 Marks)

Question 04

Social networking is changing the way the world is doing everything, from the way people get information to the way people communicate, and, most importantly, the way people interact. The importance and relevance of social media outlets are growing stronger with the rapid developments of technology.

- i. Explain the difference between social media and social networking (4 Marks)
- ii. State 2 popular social network platforms (2 Marks)
- iii. Identify 2 possible computer related threats (2 Marks)
- iv. List down 2 assets that protect under intellectual property act (2 Marks)

(10 Marks)

Question 05

Data analysis is important in business to understand problems facing an organisation, and to explore **data** in meaningful ways. **Data** in itself is merely facts and figures. **Data analysis** organises, interprets, structures and presents the **data** into useful information that provides context for the **data**.

- i. Explain the concept of data mining (2 Marks)
- ii. Explain how a business can benefit by data mining (4 Marks)
- iii. List down 2 factors to consider when buying a DBMS (2 Marks)
- iv. List down 2 Advantages of DBMS (2 Marks)

(10 Marks)

Question 06

Technology related to financial institutions is changing rapidly. New innovations and inventions are emerging regularly.

- i. State 3 technologies related with financial technologies (3 Marks)
- ii. List down 4 models of crowd funding (4 Marks)
- iii. Explain the term crypto currency with examples (3 Marks)

(10 Marks)

Section C

Total Marks 25

Question 07

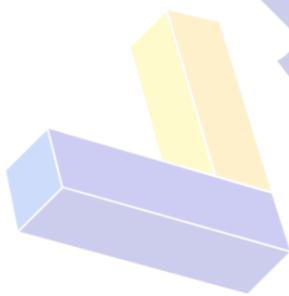
JF Eats is a fast food chain that operates in Sri Lanka. They have their outlets in 20 cities in the country. They are planning to develop electronic commerce portal to sell online. Even though they purchased ERP system, they couldn't complete the implementation due to lack of technically knowledgeable employees in the company. Newly appointed CEO wanted to outsource resource personnel for this implementation.

- i. Explain 2 ways that JF Eats can use social Medea. (4 Marks)
- ii. Explain how JF eats can benefited by using datacenters (3 Marks)
- iii. Identify 2 technical changes to new CEO (4 Marks)
- iv. List down 4 types of outsourcing methods (4 Marks)
- v. Distinguish between E-commerce and M commerce (2 Marks)
- vi. List down 3 benefits for Customers of JK foods by E-Commerce (3 Marks)
- vii. List down 5 ERP modules that JF Eats can implement (5 Marks)

(25 Marks)

Answer Sheet (OTQ)

1.1	a	b	c	d
1.2	a	b	c	d
1.3	a	b	c	d
1.4	a	b	c	d
1.5	a	b	c	d
1.7	a	b	c	d
1.8	a	b	c	d
1.9	a	b	c	d
1.10	a	b	c	d
1.11	TRUE		FALSE	
1.12	TRUE		FALSE	
1.13	TRUE		FALSE	
1.14	TRUE		FALSE	
1.15	TRUE		FALSE	



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