

EXAMINER'S REPORT**LEVEL II EXAMINATION - JULY 2022****(202) INFORMATION SYSTEMS IN DIGITAL ENVIRONMENT**

This paper tested overall aspects of Information Technology while giving more concern on new developments and trends in Information and Communication Technology. It should be noted that sound knowledge on ethical, social and legal environment which has an influence on information systems is also important when answering this paper.

This paper comprised of three sections namely **A, B** and **C**. It was required to answer all the questions of this paper.

Section A**Question No. 01**

The entire syllabus of Information Systems in Digital Environment is tested in easily understandable manner. Almost all the candidates attempted the question and most of them were able to score higher marks.

This consisted 15 OTQs. for 25 marks. From question No. **1.1** to **1.10**, it was required to select the most correct answer out of 4 answers given. From **1.11** to **1.15**, it was required to state the given statement as "**True**" or "**False**".

Candidates who were able to obtain higher marks for this question reached overall higher marks for this subject.

The overall performance for this question was at a satisfactory level.

Section B**Question No. 02**

This question aimed to test the basic awareness of an information system in an Educational Institute which conducts professional examinations. Almost all the candidates answered this question.

In **part (a)** tested input data and output information of an information system related to an examination process. But some candidates misunderstood this as a registration process and lost marks.

In **part (b)** requested to explain 2 reasons behind the widespread adoption of information systems and this has been successfully answered.

For **part (c)** few candidates were unable to explain the difference between Information Systems and Information Technology and they have lost 2 marks.

The overall performance for this question was at an average level.

Question No. 03

This question intended to test candidate's awareness on selecting application software for different purposes in a supermarket. Almost every candidate attempted this question.

Part (a) expected to identify the suitable software for given requirements while **part (b)** needs to state the advantages of Database Management System (DBMS).

Majority of candidates were able to answer correctly for both **part (a)** and **part (b)**. But, notably some candidates reluctant to answer the **part (c)** which requires to explain the purpose served by data centers. They could not mention that cloud computing is relies on data centers.

The overall performance for this question was at an average level.

Question No. 04

The **Part (a)** and **Part (b)** checked the candidate's knowledge on the "Business Analytics" and "Business Intelligence". Majority of the students attempted this question.

Except few of them all the others were able to explain how business analytics and business intelligence will helpful for the **XYZ Ltd.**

Part (c) expected to identify information systems that can be used by the given company and almost everyone scored full marks for this part.

It will be very helpful for their future, if candidates allocate more time on these subject areas.

The overall performance for this question was at a satisfactory level.

Question No. 05

The student's knowledge about social media and its advantages, disadvantages and also how to stay safe on social media was tested by the 3 parts.

For **part (a)** and **part (c)** majority of students were able to answer correctly while they were unable to properly explain the possibility of by passing the restrictions along with an example for **part (b)**.

Most of the students were able to score well in this question.

The overall performance for this question was at a satisfactory level.

Question No. 06

The candidate's awareness regarding latest technologies and how to perform financial transactions using different technologies was tested.

Part (a) was expected to explain the difference between "Blockchain" and "bitcoin" and many candidates were unable to attempt this successfully.

Even though, the candidates have a sound knowledge on mobile apps they were unable to explain the meaning of micro-payments and it usage in relation to mobile apps. Candidates have fairly explained how crowd funding can be used in the given situation.

The overall performance for this question was not a satisfactory level.

Question No. 07

This question is based on the given case study, understanding the theory and apply to the given scenario was expected. The candidate's competency to identify possible IT strategies to a company engage in exporting was tested in a simplified manner.

Almost all the students attempted this question. However, some candidates were unable to answer correctly for **part (a)**. In **part (a)** IT strategy to enable efficient management of warehouse space and stocks was expected. But many were given general stock control methods as answers. When answering this type of a question practical thinking is very much needed.

Accordingly, candidates have explained the advantages of setting a website, adopting best practices to reduce the impact on environment, components of IT infrastructure that the given company need to invest and steps that Ceylon spice can take to improve cyber security.

Most of the of students were able to answer correctly for the rest of the parts.

When comparing with previous examinations under the current syllabus students' performance for the case study question has improved. Main reason behind this may be simple questioning pattern and basic level of competency expected.

The overall performance for this question was at a satisfactory level.

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Hints to Improve the Performance:

- (1) Entire syllabus should be thoroughly studied.
- (2) Candidates should read the question carefully and should not write unnecessary/irrelevant explanations and details when a direct answer is expected from the question.
- (3) Refer study text, books, articles, magazines and other reading materials in relation to Information Technology.
- (4) It is important to present the theoretical concepts and practical knowledge relating to information technology in an organized manner and quote examples wherever necessary, when writing answers.
- (5) Make sure that the handwriting is legible and properly numbered the answers.
- (6) Follow the instructions given in the exam paper.
- (7) Study the Past Papers / Pilot Papers and Answers to improve your knowledge.
- (8) Practise the effective time management.
- (9) Check twice whether the answers were numbered properly before submitting the answer scripts.
- (10) Face the exam with a good preparation and with the utmost hope of passing the exam.

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