**DIT021 – APPLICATION DEVELOPMENT EXAM**

**SECTION A (30 MARKS)**

**Answer ALL the questions in this section.**

**1.**

1. Define the term Application development. ( 2 Marks)
2. Describe processes involved in creating an Application. ( 9 Marks)
3. Explain **four** roles of an Application Support Engineer. ( 8 Marks)
4. List **three** roles of an application developer. ( 3 Marks)
5. Distinguish between logical and physical design. ( 2 Marks)
6. Explain **three** major aspects involve in implementation of a system. ( 6 Marks)

**SECTION B (40 MARKS)**

**Answer any two questions from this section.**

2.

1. Define the term Business Requirement in the context of software engineering. (2 Marks)
2. Explain **four** benefits of Business Requirement to an application developer. (8 Marks)
3. List any **five** characteristics of application development projects. (5 Marks)
4. Discuss **five** fact finding techniques. (5 Marks)

3.

1. Discuss **four** methods used to develop systems. (4 Marks)
2. Explain **three** types of mobile apps. (6 Marks)
3. [G-Coach](https://parcelkiosk.com/) ltd is one of our clients who approached us to [get a web application designed and developed](https://www.netsolutions.com/web-development-company) to offer better parcel delivery services to customers. As they approached us, we started the discussion with an important parameter: analyzing the business needs. What do you think the business requirement might be for this parcel delivery web application services? (5 Marks)
4. Highlight **five** roles of a system analyst. ( 5 Marks)

4.

1. Explain **five** causes of organization change in an organization. (10 Marks)
2. Describe the process of organization change in any organization. (5 Marks)
3. Describe **five** techniques to handle the change properly and to deal with resistance to change. ( 5 Marks)

5.

1. Describe the term Application Support. (3 Marks)
2. With the aid of a diagram, describe the system development life cycle. (10marks)
3. Differentiate between program testing and system testing. (2Marks)
4. Explain **five** aims of feasibility study. (5 Marks)