



THE OPEN UNIVERSITY OF SRI LANKA

FACULTY OF EDUCATION

MASTER OF EDUCATION IN SPECIAL NEEDS EDUCATION – 2022/2023

FINAL EXAMINATION

**SNPA606 – ASSISTIVE AND ADAPTIVE TECHNOLOGIES IN SPECIAL NEEDS
EDUCATION**

DURATION – THREE (03) HOURS

Date: 26.02.2024

Time 1.30 p.m. – 4.30 p.m.

Answer question No. 01 and any other three (03) questions.

01. i. Briefly explain by citing examples, the relationships between ‘Assistive Technology Devices’ and ‘Assistive Technology Services’
(20 marks)
- ii. Examine with examples, the benefits of Assistive Technologies for children with multiple disabilities under following areas.
a. Daily living
b. Communication
c. Education
d. Community use
(40 marks)
- iii. Describe by citing suitable examples the challenges faced by stakeholders in providing assistive technology devices and related services for children with disabilities in the Sri Lankan context.
(40 marks)
02. i. Explain the Categories of Assistive Technology that support students with special educational needs in reading, writing and organizing.
(20 marks)
- ii. Illustrate by citing examples, of how high-tech assistive technologies can support students with special educational needs in reading, writing and organizing.
(40 marks)

- iii. Analyze the main types of issues that may arise in the development of assistive technology policy and policy implementation in the Sri Lankan context citing examples related to special needs education.
(40 marks)
03. i. Briefly explain by citing examples, how assistive technologies can minimize the barriers to the mobility of children with the physically disabled.
(20 marks)
- ii. Explain with examples how sensory impaired person can access the information with the supports of high-tech assistive devices.
(40 marks)
- iii. Explain with examples, how the assistive technologies support to implementation of Universal Design for Learning (UDL) in inclusive classroom.
(40 marks)
04. i. 'Augmentative and Alternative Communication (AAC) system is a part of the Assistive Technologies'
Justify the above mentioned statement by citing examples.
(20 marks)
- ii. Examine the basic elements of successful communication and describe with citing examples the learning barriers faced by students with communication problems.
(40 marks)
- iii. Explain with examples, how the assistive technologies support the development of alternative communication for a child with autism spectrum disorder.
(40 marks)

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