



Murugesu

Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

B. Ed. Special Education (VI/Hi) Degree Examination – May 2022
IV Semester

Class: II B.Ed. Special Education (VI)

Time : 3 Hours
Max. Marks : 100

18BDSSV4 Specialization: Technology and Education of Children
with Visual Impairment

Course Outcomes:

- CO1: Relate ICT to the education of children with visual impairment
CO2: Adapt technology for the visually impaired
CO3: Be familiar with print access technologies for the visually impaired
CO4: Apply appropriate technologies for teaching various school subjects to the low vision children
CO5: Apply computer aided teaching learning for the children with visual impairment

Part A **10 x 1 = 10**
Choose the Correct Answer

1. Any system which helps to transfer information in a wide way to the masses is CO1 K1
a. Technology Education b. Information and Communication Technology
c. Educational Technology d. Information Technology
2. Educational Technology is also called as CO1 K2
a. Instructional Technology b. Technology Education
c. Study of Technology d. Technological Studies
3. An example for multiple means of presentation in UDL is CO1 K1
a. Enlarged print b. Podcasting c. Web pages d. Email projects
4. The fastest industrial braille embosser is CO2 K1
a. Interpoint NV b. Braillo 650 SW c. INDEX 4 waves pro d. Basic D V4
5. BRLTTY is a CO2 K2
a. Screen reader b. Braille Translator c. Dictation software d. Braille Transcriber
6. The technology used in Stand-alone reading machines is CO2 K1
a. optical character recognition b. optical character response
c. optical computer recognition d. optical computer response
7. The mobility device smart cane was developed by CO3 K4
a. IIT Ahmedabad b. IIT Madras c. IIT Mumbai d. IIT Delhi
8. JAWS includes voices for over _____ different languages. CO3 K4
a. 30 b. 31 c. 32 d. 33
9. It is a microblogging and social networking service. CO3 K2
a. WhatsApp b. Instagram c. Reddit d. Twitter
10. The device that prints multiple copies of tactile material is CO4 K1
a. Thermoform b. Kruzweil c. 3 D Printer d. Optocon

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. State the goals of technology for the education of students with visual impairment. CO1 K3
(or)
- 11.b. Enumerate the concept of Information and Communication Technology (ICT). CO1 K1
- 12.a. Define Adaptive Technologies and write its purpose. CO2 K1
(or)
- 12.b. Enlist any six basic considerations to be followed in designing adaptive technologies. CO2 K3
- 13.a. Discuss about any six open source software available for the visually impaired. CO3 K3
(or)
- 13.b. Write a short note on Online libraries and Bookshare. CO3 K3
- 14.a. Examine the uses of any six assistive devices in teaching Mathematics to children with visual impairment. CO4 K3
(or)
- 14.b. Justify the need and significance of different types of maps in teaching Social Science to the visually impaired students. CO4 K5
- 15.a. Explain the process involved in the creation of Blogs. CO5 K2
(or)
- 15.b. Write down the uses of ICT in Distance Learning. CO5 K3

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Explain the concept, importance and scope of Educational Technology. CO1 K2
(or)
- 16.b. Discuss the special significance of ICT in the learning of the visually impaired. CO1 K1
- 17.a. Elucidate the concept and advantages Universal Design. CO2 K5
(or)
- 17.b. Justify the role of IIT's and scientific community in the development of adaptive technologies. CO2 K5
- 18.a. Critically analyse the process of Daisy book preparation. CO3 K4
(or)
- 18.b. Discuss the special features and applications of any six Braille embossers. CO3 K3
- 19.a. Analyse the role of Thermoform and Swell Paper technology and software for developing tactile diagrams. CO4 K4
(or)
- 19.b. Explain the science devices meant for children with visual impairment. CO4 K2
- 20.a. Critically appraise the application of Social Media in the development of social skills among the visually impaired. CO5 K4
(or)
- 20.b. Enumerate the concept of e-classroom and suggested adaptations for children with visual impairment. CO5 K1
