

No. of Printed Pages : 2

MVEI-013

**POST GRADUATE CERTIFICATE IN
INFORMATION AND ASSISTIVE
TECHNOLOGIES FOR INSTRUCTORS OF
VISUALLY IMPAIRED (PGCIATIVI)**

Term-End Examination

00553 December, 2014

MVEI-013 : SOFTWARES FOR VISUALLY IMPAIRED

Time : 2 hours

Maximum Weightage : 35%

Note : All questions are compulsory. All questions carry equal weightage.

1. Answer the following question in about 600 words.

- (a) Define screen magnification. Discuss the features and uses of screen magnification. Also explain the method to choose a suitable screen magnifier.

OR

- (b) What is refreshable Braille display ? Discuss the various features, uses, limitations and types of Braille display.

2. Write a note on/Answer any **four** of the following in about 150 words each :

- (a) Screen reading software and its features.
- (b) What is Braille ? How is it produced ?
- (c) Mobile Screen Reading Software.
- (d) Define Spreadsheet. Why are spreadsheets used ?
- (e) Video magnifier.
- (f) What is OCR ? Mention the various OCRs available and their features.

3. Answer the following question in about 600 words.

What is Braille Embosser ? How is it installed with the PC ? How would you choose a suitable Braille Embosser ?

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MVEI-013

00374

**POST GRADUATE CERTIFICATE IN
INFORMATION AND ASSISTIVE
TECHNOLOGIES FOR INSTRUCTORS OF
VISUALLY IMPAIRED (PGCIATIVI)**

Term-End Examination

June, 2015

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

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- Note :** (i) *All three questions are compulsory.*
(ii) *All questions carry equal weightage.*
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1. Answer the following question in about 600 words :

What is Screen Reading Software ? Explain various types of screen reading software and their features.

OR

What is OCR ? Explain various types of OCR and discuss the concept and usefulness of OCR for visually impaired.

2. Answer any four of the following in about 150 words each :
- (a) Mobile Screen Reading Software
(b) Limitations of OCR

- (c) Refreshable Braille Display
- (d) Kurzweil 1000
- (e) Spread Sheet
- (f) Braille Embossing

3. Answer the following question in about 600 words :

What is Screen Magnification ? How they are useful for persons with low vision and how to choose suitable screen magnifiers ?



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MVEI-013

00482

**POST GRADUATE CERTIFICATE IN
INFORMATION AND ASSISTIVE
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VISUALLY IMPAIRED (PGCIATVI)**

Term-End Examination

December, 2015

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

- Note :** (i) *All questions are compulsory.*
(ii) *All questions carry equal weightage.*

1. Answer the following question in about 600 words :

Discuss various types of screen magnification with their features.

OR

What do you mean by video magnifiers ? Discuss various types of video magnifiers.

2. Answer **any four** of the following in about 150 words each :

- (a) What are the important features of JAWS 10.0 ?
(b) Define spread sheet. Why are spread sheets used ?
(c) Describe briefly on the usefulness of OCR for visually impaired.

- (d) What is Braille embosser ? Write any four factors for choosing a suitable Braille embosser.
- (e) How can you trouble shoot OCR softwares ?
- (f) What is SAFA ? How do you install it ?

3. Answer the following question in about **600** words :

What is refreshable Braille display ? Discuss how to choose a suitable refreshable Braille display.



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MVEI-013

00118

**POST GRADUATE CERTIFICATE IN
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TECHNOLOGIES FOR INSTRUCTORS OF
VISUALLY IMPAIRED (PGCIATIVI)**

Term-End Examination

June, 2016

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

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- Note : (i) All questions are compulsory.
(ii) All questions carry equal weightage.*
-

1. Answer the following question in about 600 words :
Discuss various Windows based screen reading software used for visually impaired.

OR

Discuss various types of video magnifiers. How do you choose a suitable screen magnifier ?

2. Answer **any four** of the following in about 150 words each :
- What do you mean by screen magnification ?
 - Write short note on Zoom Text Magnifier.
 - What is Braille ? How is it produced ?
 - What are the important features of Window Eyes 7.1 ?

- (e) What are the uses of refreshable Braille display ?
 - (f) Write short note on mobile screen reading software.
3. Answer the following question in about 600 words :
What is OCR ? Discuss the usefulness of OCR for the visually impaired.
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00339

**POST GRADUATE CERTIFICATE IN
INFORMATION AND ASSISTIVE
TECHNOLOGIES FOR INSTRUCTORS OF
VISUALLY IMPAIRED (PGCIATIVI)**

Term-End Examination

December, 2016

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

Note : All questions are compulsory. All questions carry equal weightage.

1. Answer the following question in about 600 words :

What do you mean by screen magnification ?
Describe various screen magnification features.

OR

What do you mean by refreshable Braille display ? Discuss physical layout of refreshable Braille display.

2. Answer any four of the following in about 150 words each :

- (a) How can one choose suitable screen magnifiers ?
- (b) What is a spread sheet ? Why are spread sheets used ?

- (c) What are the limitations of OCR ?
- (d) Write about important features of JAWS 10.0.
- (e) What do you understand by Windows Magnifier ?
- (f) What are the types of OCR ?

3. Answer the following question in about 600 words :

What are the screen reading softwares available for mobile phones working of GSM, CDMA and WCDMA networks ? From your Field experience, suggest, what types of phone and networking are suitable for Indian users ?

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MVEI-013

00381

POST GRADUATE CERTIFICATE IN
INFORMATION AND ASSISTIVE
TECHNOLOGIES FOR INSTRUCTORS OF
VISUALLY IMPAIRED (PGCIATIVI)

Term-End Examination

June, 2017

MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED

Time : 2 hours

Maximum Weightage : 35%

Note : All questions are compulsory. All questions carry equal weightage.

1. Answer the following question in about 600 words :

What is video magnifier ? Explain categories of video magnifiers with examples.

OR

What is an OCR ? Explain various features and limitations of different types of OCR's.

2. Answer **any four** of the following in about 150 words each :

- (a) What is screen magnification ? Explain its uses and features.
(b) What is NVDA ? How is it different from JAWS.
(c) Explain any one Mobile screen reading software.

- (d) What is refreshable braille display ? Explain its features.
- (e) What is Kurzweil 1000 ?
- (f) What is spread sheet ? Why spread sheet is used ?

3. Answer the following in about 600 words :
What is Braille Embosser ? Explain various types of Braille Embosser. How do you choose a suitable Braille Embosser ?



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**POST GRADUATE CERTIFICATE IN
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Term-End Examination

December, 2017

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

Note : *All questions are compulsory. All questions carry equal weightage.*

1. Answer the following question in about 600 words :
Discuss the features and advantages of various screen Magnifiers.

OR

How will you customize a software magnifier for a person with low vision ? Explain with suitable examples.

2. Answer any four of the following in about 150 words each :
- List the JAWS keystrokes for reading text.
 - How the screen reader can be used for navigation in a spreadsheet ?
 - Briefly discuss the usefulness of Optical Character Recognition (OCR) for visually impaired persons.

- (d) Briefly discuss the features of Various Mobile Screen Readers available in the market.
- (e) How will you navigate in a dialog box with a screen reader ?
- (f) Does Saja works for Hindi Language ? What settings will you have to make to enable Saja work on Hindi Language ? Discuss.

3. Answer the following question in about 600 words :

What are Braille Embossers ? Discuss the process of converting print books into Braille.



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MVEI-013

00588

**POST GRADUATE CERTIFICATE IN
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TECHNOLOGIES FOR INSTRUCTORS OF
VISUALLY IMPAIRED (PGCIATVI)**

Term-End Examination

June, 2018

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

- Note :**
- (i) *All questions are compulsory.*
 - (ii) *All questions carry equal weightage.*

- 1.** Answer the following question in about 600 words :

What are the features of a Screen Magnifier ? Discuss with an example based on Windows Operating System.

OR

What is a Video Magnifier ? Discuss various types of Video Magnifiers.

- 2.** Answer any four of the following in about 150 words each :

- (a) What is OCR ? How does it help the visually impaired ?
- (b) What is Database ? How is it different from Spreadsheet ?

- (c) What are the important features of JAWS screen reader ?
- (d) What is Braille Embosser ? What are the features of Braille Embosser ? Briefly discuss the various types of Embosser available.
- (e) List important Navigational keystrokes for editing text in a document.
- (f) What is a spreadsheet ? List three examples where it may be useful.

3. Answer the following question in about 600 words :

What is refreshable Braille display ? Discuss the features that be considered while choosing a suitable Braille display.

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No. of Printed Pages : 2

MVEI-013

00441

**POST GRADUATE CERTIFICATE IN
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VISUALLY IMPAIRED (PGCIATIVI)**

Term-End Examination

December, 2018

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

Note : *All questions are compulsory. All questions carry equal weightage.*

1. Answer the following question in about 600 words :
What do you mean by Video magnifier ? Discuss various types of video magnifiers.

OR

What is refreshable Braille display ? Discuss various features, uses and limitations of Braille display.

2. Answer any four of the following in about 150 words each :
- (a) Write about important features of JAWS 10.0.
 - (b) What is SAFA ? How do you install it ?
 - (c) Write about different types of screen magnification.

- (d) Write a short note on importance of creating scripts.
- (e) What are the features of an open book ?
- (f) Write the limitations of OCR.

3. Answer the following question in about 600 words :

What is Braille Embosser ? How is it installed in the PC ? How would you choose a suitable Braille Embosser ? Discuss.



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No. of Printed Pages : 2

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**POST GRADUATE CERTIFICATE IN
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00542

June, 2019

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

Note : *All questions are **compulsory**. All questions carry equal weightage.*

1. Answer the following question in about 600 words :

What is screen reading software ? Discuss different screen reading softwares in detail.

OR

What is screen magnification ? Describe various types of screen magnification.

2. Write short notes on any **four** of the following in about 150 words each :
- (a) Usefulness of OCR for Visually Impaired
 - (b) Concept of Refreshable Braille and Tactile Reader
 - (c) Braille Embosser
 - (d) Mobile Screen Reading Software
 - (e) Common Mistakes in Entering and Editing Data in Spreadsheets
 - (f) Concept and Uses of Spreadsheet

3. Answer the following question in about 600 words :

What is refreshable Braille display ? How do you choose a suitable refreshable Braille display ?

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December, 2019

MVEI-013 : SOFTWARES FOR VISUALLY IMPAIRED

Time : 2 hours

Maximum Weightage : 35%

- Note : (i) All questions are compulsory.
(ii) All questions carry equal weightage.

1. Answer the following question in about 600 words :
Define Screen Magnification. Discuss features and uses of Screen Magnification and method of choosing a suitable Screen Magnifier.

OR

Discuss various screen reading softwares which are based on window operating system.
2. Answer any four of the following in about 150 words each :
 - (a) Explain the usefulness of OCR for the Visually Impaired.
 - (b) What is SAFA ? How do you install it ?
 - (c) Describe Portable Video Magnifier.
 - (d) What is Spreadsheet ? Why Spreadsheet is used ?
 - (e) What is Braille ? How is it produced ?
 - (f) Discuss any one Mobile Screen Reading Software.
3. What is Braille Embosser ? Explain various types of Braille Embosser. How do you choose a suitable Braille Embosser ?

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**POST GRADUATE CERTIFICATE IN
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Term-End Examination

June, 2020

MVEI-013 : SOFTWARES FOR VISUALLY

IMPAIRED

Time : 2 Hours

Maximum Weightage : 35%

Note : (i) All questions are compulsory.

(ii) All questions carry equal weightage.

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1. Answer the following question in about 600 words :

What is an OCR ? Explain various features and limitations of different types of OCR's:

Or

What is Refreshable Braille Display ? Discuss various types of Braille display with their features, uses and limitations.

2. Answer any *four* of the following in about 150 words each :

- (a) Describe briefly various types of video magnifiers.
- (b) What is Kurzweil 1000 ?
- (c) Explain the uses of screen magnification.

[3]

- (d) Explain any *one* mobile screen reading software.
- (e) What is Braille ? How is it produced ?
- (f) Important features of JAWS 10.0 ?
3. What is Braille Embosser ? Explain various types of Braille Embosser. How can you choose a suitable Braille Embosser ?

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**POST GRADUATE CERTIFICATE IN
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Term-End Examination**

February, 2021

**MVEI-013 : SOFTWARES FOR VISUALLY
IMPAIRED**

Time : 2 hours

Maximum Weightage : 35%

Note : *All questions are **compulsory**. All questions carry equal weightage.*

1. Answer the following question in about 600 words :

What is Screen Reading Software ? Discuss the application of screen reading software for visually impaired persons.

OR

What is a Refreshable Braille Display ? What are the uses of a refreshable braille display ? Illustrate with the help of examples.

2. Write notes on any **four** of the following in about 150 words each :

- (a) Various components of OCR
- (b) Important features of JAWS 10.0
- (c) Features of Braille embossers
- (d) OpenBook 7
- (e) Application of screen magnifiers
- (f) Windows magnifier

3. Answer the following question in about 600 words :

Discuss some popular Braille embossers available in the market. What are the factors that you would consider while choosing a suitable braille embosser ? Explain.

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