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

00098

Term-End Examination

June, 2018

MVEI-012 : ASSISTIVE AND ADAPTIVE TECHNOLOGIES

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 the importance of 'universal design' for persons with disabilities ? Discuss the principles of 'universal design' and constraints in implementing it.

   OR

   What do you understand by 'Web Content Accessibility Guidelines (WCAG)' ? Explain.

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

   (a) Enlist the various types of 'assistive technologies' for persons with low vision and blindness.

(b) What is Braille embosser ? How it works ?

(c) Explain the traditional mathematical devices for the persons with visual impairment.

(d) United Nations (UN) released Conventions on the rights of persons with disabilities in 2006. Elaborate the points stated in the conventions regarding 'Assistive Technologies'.

(e) What is Website Accessibility Audit ? List few methods used for this.

(f) Discuss the emerging technology trends that are causing accessibility problems.

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

Write a brief note on new opportunities in information and assistive technology. What are the Barriers, Concerns and Issues regarding this ?

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