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

Term-End Examination

December, 2017

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 :

    Define Assistive and Adaptive technology. Explain various traditional/low cost assistive devices for the visually impaired persons.

OR

    People with Visual Impairment (V.I.) may enhance their Productivity by using modern assistive and adaptive technologies. Discuss the above statement by citing examples.

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

   (a) Explain 'ergonomics' and its basic aspects.

   (b) Enlist the potential applications, which can decrease the functional limitations of a person with a disability.

   (c) What are the principles of 'universal design' ?

   (d) List few conventions regarding Assistive Technology and Information and Communication Technology.

   (e) Explain the smart technologies for people with disabilities.

   (f) Describe the need and importance of web accessibility.

3. Answer the following in about **600** words :
   What is Web Accessibility ? Define web and digital documents accessibility guidelines for different components developed by the World Wide Web Consortium (W3C), Web Accessibility Initiatives (WAI).