

Total No. of Questions : 6]

[Total No. of Printed Pages : 3

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B. Ed. (Part-I) (General) Examination - 2010

PAPER - IV

**INFORMATION AND COMMUNICATION TECHNOLOGY
AND INFORMATION SYSTEM**

(New 2008 Pattern)

Time : 3 Hours]

[Max. Marks : 80

Instructions :

- (1) *All questions are compulsory.*
- (2) *Answers to the **two sections** should be written in **separate answer-books**.*
- (3) *Figures to the right indicate full marks.*
- (4) *Essay type questions carry **twelve marks** and the answers of the same are expected to be written in 300 to 350 words.*
- (5) *Short answer type questions carry **four marks** and to the same are expected to be written in 130 to 150 words.*
- (6) *In any condition supplement will not be provided.*

SECTION - I

Q.1) What are the challenges in Integrating Information and Communication Technology in the field of Education ? How these challenges can be faced, explain with examples. **[12]**

OR

Q.1) What is Web Based Learning ? Illustrate utilization of 'Web Sites' and 'Blog' for Web Based Learning. **[12]**

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Q.2) What is Software ? Which are the types of Softwares ? Discuss features of the Software which is useful for presenting important points in a lesson. [12]

OR

Q.2) Illustrate educational implications of following communication facilities of Internet : [12]

- (1) E-mail
- (2) Chat
- (3) On-line Conference
- (4) E-library

Q.3) Answer in brief : (**Any Four**) [16]

- (a) Explain Concept of Hacking.
- (b) Describe features of Collaborative Learning.
- (c) Write nature of Technology Aided Learning.
- (d) Write four educational uses of each of the following Storage Devices :
 - (i) Pen Drive
 - (ii) CD-ROM
- (e) How do you manage Computer Viruses ?
- (f) Explain need of Information and Communication Technology.

SECTION - II

Q.4) What is System Approach in Education ? Explain any two basic trends with example for development of System Approach in Education. [12]

OR

Q.4) What is Self-instruction ? Prepare Sequential Self-instructional Program on any one unit of your subject. [12]

Q.5) What is Instructional System ? What are the Components of Instructional System ? Explain need of Instructional System for Instruction. [12]

OR

Q.5) Explain steps of Instructional Design for On-line Learning with suitable example. [12]

Q.6) Answer **any four** of the following : [16]

- (a) Write principles of System Approach.
 - (b) Explain Syntax of Mastery Learning Model.
 - (c) Explain characteristics of Program Instruction Strategy.
 - (d) Write Process of Master Validation for the Validation of Instructional Material.
 - (e) How will you use CIPP Model for evaluation of Instructional System ?
 - (f) Write characteristics of Intrinsic Model.
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