

M. Ed. Two year Programme

IV Semester Final Papers

May 2017.

Name Course: IV - Theme Based Specialisation

Subject Course - III - Educational Technology.

Address \_\_\_\_\_

From \_\_\_\_\_ To \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail: \_\_\_\_\_



Reg. No. 

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**ST. ANN'S COLLEGE OF EDUCATION, MANGALURU.  
(AUTONOMOUS)  
M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**

**Fourth Semester Examination – May 2017  
(Semester Scheme)**

**Course 14 : Theme Based Specialisation Course - III : EDUCATIONAL  
TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both are compulsory.**

**Section A**

**Note : Answer the following questions in about three pages each.**

- 1a) i) Explain the evolution of Educational Technology.  
ii) Discuss the characteristics and applications of any two forms of Educational Technology. (4+6)

**OR**

- b) i) Explain the different types of Communication.  
ii) Discuss any two Models of Communication (4+6)

- 2 a) i) Explain Dale's Cone of experience and its applications to Education.  
ii) Discuss the different types of Language Laboratories along with its limitations. (5+5)

**OR**

- b) i) Explain the Fundamental Elements of Models of Teaching.  
ii) Discuss the Syntax of Suchman's Inquiry Training Model with an illustration for Secondary School Level. (4+6)

- 3 a) i) Explain the TPACK Framework.  
ii) Discuss the concept and values of Computer Adaptive Testing (CAT) (5+5)

**OR**

- b) i) Explain the Educational Paradigms for Computer Assisted Learning (CAL).  
ii) Discuss the tools in E-learning Technologies. (5+5)

**Contd...2.**

- 4 a) i) Explain the principles of Multimedia Learning.  
ii) Discuss the stages in developing a Multimedia Material. (3+7)

**OR**

- b) i) Explain the meaning of Educational Software Packages.  
ii) Discuss the steps in development of an Educational Software Package. (3+7)

**Section B**

**Note : Answer any six of the following questions in about a page each. (6x5=30)**

- 5 a) Explain the approaches of Educational Technology.  
b) Discuss the barriers in Communication.  
c) Explain the classification of Media Material.  
d) Explain the essentials of an effective Powerpoint Presentation.  
e) Discuss the different perspectives of E-learning.  
f) Explain the Cognitive Theory of Multimedia Learning.  
g) Discuss the benefits and concerns of Digital Media.  
h) Explain the need and significance of ICT in Education.

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**ST. ANN'S COLLEGE OF EDUCATION, MANGALURU.**  
**(AUTONOMOUS)**  
**M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**

**Fourth Semester Examination - May 2018**  
**(Semester Scheme)**

**MES553 : Theme Based Specialisation Course - III : EDUCATIONAL TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both the sections are compulsory.**

ಸೂಚನೆ : ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆಯಲ್ಲಿ ಎರಡು ವಿಭಾಗಗಳಿವೆ. ಎರಡೂ ವಿಭಾಗಗಳೂ ಕಡ್ಡಾಯವಾಗಿವೆ.

**Section A / ವಿಭಾಗ ಎ**

**Note : Answer the following questions in about three pages each.**

ಸೂಚನೆ : ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ತಲಾ ಮೂರು ಪುಟಗಳಷ್ಟು ಉತ್ತರಿಸಿ.

1a) i) Explain the scope of Educational Technology.

ii) Discuss the various approaches of Educational Technology.

i) ಶೈಕ್ಷಣಿಕ ತಂತ್ರಜ್ಞಾನದ ವ್ಯಾಪ್ತಿಯನ್ನು ವಿವರಿಸಿ.

ii) ಶೈಕ್ಷಣಿಕ ತಂತ್ರಜ್ಞಾನದ ವಿವಿಧ ಉಪಕ್ರಮಗಳನ್ನು ಚರ್ಚಿಸಿ.

(4+6)

**OR/ಅಥವಾ**

b) i) Describe Berlo's model of communication.

ii) Discuss the nature of classroom communication and the strategies of effective communication.

i) 'ಬರೊ' ರವರ ಸಂವಹನ ಮಾದರಿಯನ್ನು ವರ್ಣಿಸಿ.

ii) ತರಗತಿ ಭೋಧನೆಯ ಸಂವಹನದ ಸ್ವಭಾವ ಹಾಗೂ ಪರಿಣಾಮಕಾರಿ ಸಂವಹನದ ಕ್ರಮಗಳನ್ನು ಚರ್ಚಿಸಿ.(4+6)

2 a) i) Explain the meaning of audio visual education and the classification of media materials.

ii) Discuss the educational applications of Dale's Cone of Experience.

i) ದೃಶ್ಯ ಶೃವಣ ಶಿಕ್ಷಣದ ಅರ್ಥ ಹಾಗೂ ಮಾಧ್ಯಮ ಸಾಮಗ್ರಿಗಳ ವಿಂಗಡಣೆಯನ್ನು ವಿವರಿಸಿ.

ii) ಡೇಲರ ಅನುಭವ ಶಂಕುವಿನ ಶೈಕ್ಷಣಿಕ ಅನ್ವಯಗಳನ್ನು ಚರ್ಚಿಸಿ.

(5+5)

**OR/ಅಥವಾ**

b) i) Explain the meaning of instructional design.

ii) Discuss the various types of language laboratories with their merits and limitations.

i) 'ಭೋಧನಾ ವಿನ್ಯಾಸ' ದ ಅರ್ಥವನ್ನು ವಿವರಿಸಿ.

ii) ಭಾಷಾ ಪ್ರಯೋಗ ಶಾಲೆಯ ವಿವಿಧ ವಿಧಗಳನ್ನು ಅವುಗಳ ಗುಣಗಳು ಹಾಗೂ ಮಿತಿಗಳೊಂದಿಗೆ ಚರ್ಚಿಸಿ.(4+6)

3 a) i) Describe the TPACK Framework.

ii) Discuss the various approaches to Computer Assisted Assessment.

i) 'ಟಿ.ಪಿ.ಎ.ಸಿ.ಕೆ.' ಚೌಕಟ್ಟನ್ನು ವರ್ಣಿಸಿ.

ii) ಗಣಕಯಂತ್ರಾಧಾರಿತ ಮೌಲ್ಯಮಾಪನದ ವಿವಿಧ ಕ್ರಮಗಳನ್ನು ಚರ್ಚಿಸಿ.

(5+5)

**OR/ಅಥವಾ**

**Contd...2.**

- b) i) Define E-learning and explain the different perspectives of E-learning.  
 ii) Discuss the features of learning management system (LMS) and its role in education.  
 i) ಇ-ಕಲಿಕೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ ಹಾಗೂ ಇ-ಕಲಿಕೆಯ ವಿವಿಧ ದೃಷ್ಟಿಕೋನಗಳನ್ನು ವಿವರಿಸಿ.  
 ii) ಕಲಿಕಾ ನಿರ್ವಹಣಾ ವ್ಯವಸ್ಥೆ (LMS) ಯ ಪ್ರಮುಖ ಅಂಶಗಳು ಹಾಗೂ ಶಿಕ್ಷಣದಲ್ಲಿ ಅದರ ಪಾತ್ರವನ್ನು ಚರ್ಚಿಸಿ. (4+6)

- 4 a) i) Explain the meaning and elements of multimedia learning.  
 ii) Discuss the principles and stages of development of multimedia material.  
 i) ಬಹುಮಾಧ್ಯಮ ಕಲಿಕೆಯ ಅರ್ಥ ಹಾಗೂ ಪ್ರಮುಖ ಅಂಶಗಳನ್ನು ವಿವರಿಸಿ.  
 ii) ಬಹುಮಾಧ್ಯಮ ಕಲಿಕೆಯ ತತ್ವಗಳು ಹಾಗೂ ಬಹುಮಾಧ್ಯಮ ಕಲಿಕಾ ಸಾಮಗ್ರಿ ತಯಾರಿಯ ಹಂತಗಳನ್ನು ಚರ್ಚಿಸಿ. (4+6)

OR/ಅಥವಾ

- b) i) Explain the meaning and types of E-content.  
 ii) Discuss the design and development of e-content using ADDIE Model.  
 i) ಇ-ವಿಷಯದ ಅರ್ಥ ಹಾಗೂ ವಿಧಗಳನ್ನು ವಿವರಿಸಿ.  
 ii) 'ಎಡಿಡಿಐಇ' ಮಾದರಿಯನ್ನು ಉಪಯೋಗಿಸಿ ಇ-ವಿಷಯವನ್ನು ವಿನ್ಯಾಸ ಹಾಗೂ ಅಭಿವೃದ್ಧಿ ಪಡಿಸುವ ವಿಧಾನವನ್ನು ಚರ್ಚಿಸಿ. (5+5)

### Section B/ವಿಭಾಗ ಬಿ

5. Answer any Six of the following questions in about a page each. 6 x 5=30

- ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಆರು ಪ್ರಶ್ನೆಗಳಿಗೆ ತಲಾ ಒಂದು ಪುಟದಷ್ಟು ಉತ್ತರಿಸಿ.
- a) Discuss the evolution of Educational Technology.  
 ಶೈಕ್ಷಣಿಕ ತಂತ್ರಜ್ಞಾನದ ವಿಕಾಸವನ್ನು ಚರ್ಚಿಸಿ.
- b) Explain the features of IT @ school programme.  
 ಐಟಿ @ ಸ್ಕೂಲ್ ಕಾರ್ಯಕ್ರಮದ ವೈಶಿಷ್ಟ್ಯಗಳನ್ನು ವಿವರಿಸಿ.
- c) Explain the factors affecting the selection of instructional media.  
 ಭೋಧನಾ ಮಾಧ್ಯಮವನ್ನು ಆರಿಸುವಲ್ಲಿ ಪರಿಣಾಮ ಬೀರುವ ಅಂಶಗಳನ್ನು ವಿವರಿಸಿ.
- d) Discuss the application of Concept Attainment Model for a topic of your choice.  
 ನಿಮ್ಮ ಆಯ್ಕೆಯ ಒಂದು ವಿಷಯಕ್ಕೆ ಪರಿಕಲ್ಪನಾ ಸಾಧನಾ ಮಾದರಿಯ ಅನ್ವಯಗಳನ್ನು ಚರ್ಚಿಸಿ.
- e) Discuss the essentials of an effective powerpoint presentation..  
 ಒಂದು ಪರಿಣಾಮಕಾರಿ ಪವರ್ ಪಾಯಿಂಟ್ ನ್ನು ತಯಾರಿಸಲು ಅಗತ್ಯವಾದ ಅಂಶಗಳನ್ನು ಚರ್ಚಿಸಿ.
- f) Explain the need and significance on information and communication technology.  
 ಮಾಹಿತಿ ಮತ್ತು ಸಂವಹನ ತಂತ್ರಜ್ಞಾನದ ಅಗತ್ಯ ಹಾಗೂ ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ವಿವರಿಸಿ.
- g) Discuss the method of utilizing mobile technologies and their benefits for classroom learning.  
 ತರಗತಿ ಕಲಿಕೆಯಲ್ಲಿ ಮೊಬೈಲ್ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಸುವ ವಿಧಾನ ಹಾಗೂ ಲಾಭಗಳನ್ನು ಚರ್ಚಿಸಿ.
- h) Describe the types of educational software packages.  
 ಶೈಕ್ಷಣಿಕ ತಂತ್ರಾಂಶಗಳ ವಿಧಗಳನ್ನು ವರ್ಣಿಸಿ.

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**ST: ANN'S COLLEGE OF EDUCATION, MANGALURU.**  
**(AUTONOMOUS)**  
**M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**  
**Fourth Semester Examination - May 2019**  
**(Semester Scheme)**

**MES553 : Theme Based Specialisation Course - III : EDUCATIONAL  
 TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both the sections are compulsory.**

**Section A**

**Note : Answer the following questions in about three pages each.**

- 1 a) i) Explain the meaning and scope of Educational Technology.  
 ii) Discuss evolution of Educational Technology. (4+6)

**OR**

- b) i) Explain the types of communication.  
 ii) Discuss any two models of communication. (4+6)

- 2 a) i) Enumerate the applications of Dale's Cone of experience to education.  
 ii) Explain the meaning of Audio Visual Education and the classification of Media Material. (4+6)

**OR**

- b) i) Discuss the types of Language Laboratories.  
 ii) Explain the components and syntax of Suchman's Inquiry Training Model. (5+5)

- 3 a) i) Explain the need and signature of ICT in education.  
 ii) Describe TRACK FRAMEWORK. (4+6)

**OR**

- b) i) Enumerate the different perspectives of E-Learning.  
 ii) Discuss E-Learning modalities and tools. (3+7)

- 4 a) i) Explain the cognitive theory of multimedia learning.  
 ii) Discuss the stages of development of multimedia material. (5+5)

**OR**

- b) i) Explain the meaning and types of E-content.  
 ii) Discuss the e-content tools. (5+5)

**Contd...2.**

## Section B/ವಿಭಾಗ ಬಿ

5. Answer any Six of the following questions in about a page each. 6 x 5=30

- a) Explain the functions of Educational Multimedia Research Centre (EMMRC).
- b) Discuss the elements of Classroom Communication Process.
- c) Explain the benefits and concerns of Digital Learning.
- d) Discuss the meaning and types of Instructional Design.
- e) Explain the essentials of an effective Power Point presentation.
- f) Explain the advantages and limitations of Computer Adaptive Testing (CAT).
- g) Discuss the types of Educational Software Packages.
- h) Explain the method of utilizing Mobile Technologies and their challenges for classroom learning.

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**ST. ANN'S COLLEGE OF EDUCATION, MANGALURU.**  
**(AUTONOMOUS)**  
**M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**  
**Fourth Semester Examination - September 2020**  
**(Semester Scheme)**

**MES553 : Theme Based Specialisation Course - III : EDUCATIONAL TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both the sections are compulsory.**

**Section A**

**Note : Answer the following questions in about three pages each.**

- 1a) i) Explain the meaning and objectives of Educational Technology.  
ii) Discuss the forms of Educational Technology. (5+5)  
**OR**
- b) i) Discuss Berlo's Model of Communication and its Educational Implications.  
ii) Explain the functions of Educational Multi Media Research Centre (EMMRC). (6+4)
- 2 a) i) Examine the uses of audio-visual media at secondary and senior secondary school level.  
ii) Discuss Dale's Cone of experience and its Educational Implications. (4+6)  
**OR**
- b) i) Discuss any two types of Language Laboratories with its limitations.  
ii) Explain the components and syntax of concept attainment Model. (5+5)
- 3 a) i) Explain the need and significance of Information and Communication Technology.  
ii) Discuss the meaning and nature of Techno Pedagogy. (5+5)  
**OR**
- b) i) Discuss the meaning and methods of e-learning.  
ii) Examine the various e-learning technologies/tools. (4+6)
- 4 a) i) Discuss the meaning and elements of Multi-Media.  
ii) Explain the various types of Multi-Media packages. (5+5)  
**OR**
- b) i) Discuss the ADDIE model of E-content development.  
ii) Examine the challenges of using mobile technology in the classroom. (6+4)

**Contd...2.**

**Section B**

**Note : Answer any six of the following questions in about a page each.(6x5=30)**

- 5 a) Explain the various approaches of Educational Technology.
- b) Examine the Barriers to Communication.
- c) Discuss the factors affecting selection of Instructional Media.
- d) Elucidate Suchman's Inquiry Training Model.
- e) Explain the significance and approaches of Compute Assisted Assessment.
- f) Discuss the role of Learning Management system (LMS) in Education.
- g) Explain the principles of multi-media learning.
- h) Discuss the stages of development of multimedia material.

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**ST. ANN'S COLLEGE OF EDUCATION, MANGALURU.**  
**(AUTONOMOUS)**  
**M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**  
**Fourth Semester Examination - October 2021**  
**(Semester Scheme)**

**MES553 : Theme Based Specialisation Course - III : EDUCATIONAL  
TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both the sections are compulsory.**

**Section A**

**Note : Answer the following questions in about three pages each.**

- 1 a) i) Explain the evolution of Educational Technology.  
ii) Discuss the characteristics and applications of Behaviour Technology. (4+6)  
**OR**
- b) i) Explain the elements of Communication.  
ii) Discuss Shannon and Weaver's Model of Communication and its implications to Education. (4+6)
- 2 a) i) Explain the meaning and uses of audio visual aids to education.  
ii) Discuss Dale's Cone of experience and its educational implications. (4+6)  
**OR**
- b) i) Explain the benefits and concerns of digital media.  
ii) Discuss the different types of instructional designs. (4+6)
- 3 a) i) Enumerate the purpose of various educational paradigms of Computer Assisted Learning (CAL).  
ii) Discuss various approaches of Computer Assisted Assessment (CAA). (4+6)  
**OR**
- b) i) Critically analyse e-learning modalities.  
ii) Discuss the TPACK framework and its educational implications. (4+6)
- 4 a) i) Explain the cognitive theory of multimedia learning.  
ii) Discuss the various types of educational software packages with appropriate illustrations. (4+6)  
**OR**
- b) i) Explain the meaning and types of e-content.  
ii) Discuss various e-content tools with examples. (4+6)

**Contd...2.**

**Section B**

**Note : Answer any six of the following questions in about a page each. (6x5=30)**

- 5 a) Discuss the strategies for effective communication.
- b) Explain the functions of Central Institute of Educational Technology (CIET) and State Institute of Educational Technology (SIET).
- c) Discuss the different types of Language Laboratories.
- d) Discuss the syntax and application of concept attainment model for a topic of your choice.
- e) Explain the role of Learning Management System (LMS) in Education.
- f) Discuss the scope of e-Learning for contemporary education.
- g) Explain the use of mobile technologies for classroom learning.
- h) Explain the stages of development of an educational software package.

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**ST. ANN'S COLLEGE OF EDUCATION, MANGALURU.**  
**(AUTONOMOUS)**  
**M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**

**Fourth Semester Examination - December 2022**  
**(Semester Scheme)**

**MES 553: THEME BASED SPECIALIZATION COURSE- III**  
**EDUCATIONAL TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both the sections are compulsory.**

**Section A**

**Note : Answer the following questions in about three pages each.**

- 1 a) i) Explain the scope of Educational Technology.  
ii) Discuss the different forms of Educational Technology. (4+6) —

**OR**

- b) i) Explain the types of Communication.  
ii) Discuss the nature of classroom communication. (5+5)

- 2 a) i) Discuss the factors affecting selection of instructional media.  
ii) Explain Dale's cone of experience and its application to education. (4+6)

**OR**

- b) i) Enumerate the meaning and benefits of digital media.  
ii) Discuss the different types of language laboratories. (4+6)

- 3 a) i) Explain the need and significance of ICT in education.  
ii) Discuss the approaches to Computer Assisted Assessment (CAA). (4+6)

**OR**

- b) i) Discuss the role of Learning Management System (LMS) in Education.  
ii) Explain the essentials of effective PowerPoint Presentation. (5+5)

- 4 a) i) Explain the meaning and elements of Multimedia.  
ii) Explain the principles of Multimedia learning. (5+5)

**OR**

- b) i) Explain the types of Educational Software Packages.  
ii) Discuss the cognitive theory of assumptions of Multimedia in learning. (5+5)

**Contd...2.**

**Section B**

**Note : Answer any Six of the following questions in about a page each. (6x5=30)**

- 5 a) Discuss the strategies for effective communication.
- b) Explain the functions of Central Institute of Educational Technology (CIET).
- c) Explain any three types of Instructional Design.
- d) Discuss the fundamental elements and characteristics of Models of Teaching.
- e) Enumerate the advantages and limitations of Computer Adaptive Testing (CAT).
- f) Trace the history of e-learning.
- g) Explain various types of e- content.
- h) Discuss the utilization of mobile technologies for classroom learning.

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**ST. ANN'S COLLEGE OF EDUCATION, MANGALURU.**  
**(AUTONOMOUS)**  
**M.Ed. Two Year Programme – Choice Based Credit System (CBCS)**  
**Fourth Semester Examination – January 2024**  
**(Semester Scheme)**

**MES 553: THEME BASED SPECIALIZATION COURSE- III**  
**EDUCATIONAL TECHNOLOGY**

Time : 3 Hours

Max. Marks : 70

**Instructions : There are two sections in the question paper. Both the sections are compulsory.**

**Section A**

**Note : Answer the following questions in about FOUR to FIVE pages each.**

- 1 a) i) Explain the meaning, nature and characteristics of Educational Technology.  
ii) Trace the evolution of Educational Technology. (8+7)

**OR**

- b) i) Explain the meaning of Communication Technology and functions of Communication.  
ii) Discuss the barriers in communication. (8+7)

- 2 a) i) Explain the meaning of Audio Visual Education and classification of media material.  
ii) Discuss the factors affecting selection of media. (8+7)

**OR**

- b) i) Explain the types of language laboratories.  
ii) Explain the components, fundamental elements and application of concept Attainment Model of Teaching. (7+8)

- 3 a) i) Explain the approaches to Computer Assisted Assessment (CAA).  
ii) Discuss the essentials of effective PowerPoint Presentation . (8+7)

**OR**

- b) i) Explain the features and types of Learning Management System (LMS).  
ii) Discuss the need and significance of Information and Communication Technology (ICT) in Education. (8+7)

**Contd...2.**

- 4 a) i) Explain the scope and elements of Multimedia.  
ii) Discuss the assumptions and principles of Multimedia learning. (7+8)

OR

- b) i) Explain the meaning and types of Educational Software Packages.  
ii) Describe the stages of development of Multimedia materials. (9+6)

**Section B**

**Note : Answer any TWO of the following questions in about a page each. (2x5=10)**

- 5 a) Explain the nature of classroom communication.  
b) Describe Dale's Cone of Experience.  
c) Explain the advantages and limitations of Computer Adaptive Testing.  
d) Explain different ways of utilizing Mobile Technologies for classroom learning

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- 4 a) i) Discuss the assumptions and steps of cognitive theory of Multimedia learning.  
ii) Explain the meaning and types of educational software packages. (7+8)

**OR**

- b) i) Explain the meaning and types of E-content.  
ii) Discuss the ADDIE model for design and development of E-content. (7+8)

**Section B**

**Note : Answer any TWO of the following questions in about a page each. (2x5=10)**

- 5 a) Explain the functions of Central Institute of Educational Technology (CIET).  
b) Describe any two types of language laboratories along with its limitations.  
c) Explain TPACK framework of techno-pedagogy.  
d) Discuss the barriers and challenges of using mobile technology in the elementary classrooms.

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- 4 a) i) Discuss the assumptions and steps of cognitive theory of Multimedia learning.  
ii) Explain the meaning and types of educational software packages. (7+8)

**OR**

- b) i) Explain the meaning and types of E-content.  
ii) Discuss the ADDIE model for design and development of E-content. (7+8)

**Section B**

**Note : Answer any TWO of the following questions in about a page each. (2x5=10)**

- 5 a) Explain the functions of Central Institute of Educational Technology (CIET).  
b) Describe any two types of language laboratories along with its limitations.  
c) Explain TPACK framework of techno-pedagogy.  
d) Discuss the barriers and challenges of using mobile technology in the secondary and senior secondary level classrooms.

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