

No. of Printed Pages : 2

MES-031

01180

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**December, 2011**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

**Note :** (i) *All the questions are compulsory.*

(ii) *All the questions carry equal weightage.*

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

Discuss briefly the factors affecting the selection of educational technology.

**OR**

Define virtual learning environment. How is it different from network learning environment ?

Also discuss briefly different modes of virtual learning environment.

2. Answer the following question in about 600 words.

Differentiate between synchronous and asynchronous feedback. Also explain the importance of feedback in instructional process.

**OR**

Discuss the issues of educational technology - policies both at the micro and national levels.

3. Answer any four of the following questions in about 150 words each :
- (a) Differentiate between behaviourist and cognitivist approaches to learning.
  - (b) Differentiate between hardware and software approaches to educational technology.
  - (c) Differentiate between lateral and vertical transfer of learning with suitable examples.
  - (d) Differentiate between one way and two way video conferencing.
  - (e) Describe the uses of Internet in classroom teaching.
  - (f) Discuss the implications of systems approach in education.

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4. Answer the following question in about 600 words.

Suppose you have been asked to develop a technology implementation plan for a secondary school. Suggest the points you will keep in mind for monitoring the effective implementation of your technology plan.

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No. of Printed Pages : 2

MES-031

01051

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**June, 2012**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All the questions are compulsory.*

*(ii) All the questions carry equal weightage.*

1. Answer the following question in about 600 words.

Explain the meaning of system approach in education. Discuss the stages of design and development of instructional system with an example.

**OR**

What are the purposes of evaluating educational technology ? Explain the Context Input Process and Product (CIPP) model of evaluation of educational technology.

2. Answer the following question in about 600 words.

What is technology mediated learning experience ? Discuss with examples how technology helps in providing learning experiences according to individual differences ?

**OR**

What is network learning environment ? Explain the technologies used for network learning environment .

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

- (a) Differentiate between synchronous and asynchronous feedback.
- (b) Discuss the role of teachers in transfer of learning.
- (c) Differentiate between satellite based and terrestrial based communication.
- (d) Differentiate between traditional and constructivist classroom.
- (e) Describe the functions of a teaching machine.
- (f) Explain the uses of mobile communication in learning.

4. Answer the following question in about 600 words.

Suppose you have to evaluate the educational technology, which you plan to use in your teaching . Suggest the steps you will undertake to evaluate it.

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**December, 2012**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All the four questions are compulsory.*

*(ii) All the questions carry equal weightage.*

1. Answer the following question in about 600 words.

What is systems approach ? How can you improve educational technology as a system ?

**OR**

What do you mean by information processing ?

Discuss how human beings process information for long-term memory.

2. Answer the following question in about 600 words.

Discuss the impact of educational technology on Conventional and Distance learning systems.

**OR**

Discuss relative strengths and weaknesses of Satellite and terrestrial- based communication in education.

3. Answer *any four* of the following questions in about **150** words each.
- Differentiate between technology in education and technology of education with examples.
  - Discuss the need of systems approach in designing class room instruction.
  - What are the advantages of technology-enabled learning?
  - What is the significance of educational technology related policies ?
  - Explain how 'feedback' is different from 're - inforcement'.
  - Discuss strengths and weaknesses of various types of audio conferencing.

4. Answer the following question in about **600** words.

How can educational technology be used to construct knowledge in both the classroom situation and open and distance learning system ? Give suitable illustrations in support of your answer.

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**June, 2013**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All the four questions are compulsory.*

*(ii) All the questions carry equal weightage.*

1. Answer the following question in about 600 words :

What do you mean by systems approach ? Describe four general stages in designing and developing of an instructional system.

**OR**

Explain the concept of Educational Technology.

Discuss the various phases of evolution of educational technology.

2. Answer the following question in about 600 words :

Differentiate between direct and mediated learning experiences. Describe criteria of Mediated Learning Experience (MLE) as a special quality of interaction between a student and a teacher.

**OR**

Describe Telecommunication policies and their implications for education in India.

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

- (a) Explain CIPP model of evaluation of educational technology.
- (b) Discuss the role of Educational Technology in shaping open distance learning environment.
- (c) Discuss the relative importance of synchronous and asynchronous feedback in facilitating learning.
- (d) Discuss the concept of technology and productivity.
- (e) How can you, as a teacher, facilitate transfer of learning in your students ?
- (f) How can you assess the impact of educational technology ?

4. Answer the following question in about **600** words.

'With emergence of new technologies, the traditional technologies should not be used by the teacher and student'. Do you agree with the statement ? Justify your answer with the help of convincing illustrations.

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MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**December, 2013**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All the questions are compulsory.*

*(ii) All questions carry equal weightage.*

1. Answer the following question in about 600 words.

Citing suitable examples discuss the social and psychological impacts of Educational Technology.

**OR**

Discuss steps of conducting evaluation of Educational Technology, with suitable examples.

2. Answer the following question in about 600 words.

Explain the meaning of 'Systems Approach'. Discuss the applications of systems approach in the teaching learning process.

**OR**

What is meant by cybernetics ? Discuss the application of cybernetic principles in instructional system.

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

- (a) Explain how ET addresses individual differences in human learning.
- (b) What is e-mail ? Discuss its uses in academic settings.
- (c) Discuss the need for formulating the policy guidelines for use of technology in education.
- (d) Discuss how discovery learning can be facilitated by technology.
- (e) Differentiate between a traditional classroom and a constructive classroom.
- (f) Differentiate between synchronous and asynchronous feedback.

4. Answer the following question in about **600** words.

Suppose you are asked to effectively utilize a radio programme on environmental pollution in teaching learning process at the elementary level. Describe the steps you will follow for effective utilization of the programme.

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**June, 2014**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

- 
- 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.

Based on your experiences as a student or as a teacher discuss how technology has impacted the field of education over the years.

**OR**

Critically examine the challenges and issues in implementing the policy recommendations related to Educational Technology.

2. Answer the following question in about 600 words .

Explain the meaning of feedback from teaching-learning point of view. Describe the various channels for providing and receiving feedback to and from the learners.

**OR**

Explain the meaning and importance of cooperative learning in the teaching-learning process. Describe the steps of organizing cooperative learning.

3. Answer **any four** of the following questions in about **150** words each.
- (a) Discuss the role of a teacher in transfer of learning.
  - (b) Discuss the implications of cognitivism for teaching with technology.
  - (c) Explain how ET enhances productivity in the teaching - learning process.
  - (d) Explain the role of UGC in promoting ET.
  - (e) Describe teaching - learning as a system.
  - (f) Discuss the role of ET in imparting vocational education.
4. Answer the following question in about **600** words :
- Suppose you are asked to design and develop instructional system for the subject you teach. Prepare a detailed plan to develop instructional system for your subject.

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**December, 2014**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

**Note :** (i) *All the questions are compulsory.*

(ii) *All the questions carry equal weightage.*

1. Answer the following question in about 600 words.

Explain the meaning of 'Educational Technology'. Describe different stages of evolution of Educational Technology.

**OR**

State the functions of research in educational technology. Discuss the major areas of research in educational technology.

2. Answer the following question in about 600 words.

Explain the concept of learning. Discuss various approaches to understanding the concept of learning.

**OR**

What is meant by technology enabled/enhanced learning ? Explain how emerging technologies can enhance learning ?

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

- (a) What is UGC-Infonet ? Mention its advantages.
- (b) Differentiate between vertical and lateral transfer of learning.
- (c) Distinguish between rote learning and discovery learning.
- (d) What is Direct-To-Home (DTH) broadcasting service ? Mention its advantages.
- (e) Discuss briefly the micro issues that pertain to ET policies.
- (f) Mention functions and limitations of computer conferencing.

4. Answer the following question in about **600** words.

Feedback plays a significant role in Open and Distance Learning System (ODLS). Discuss the statement on the basis of your experience as a distance learner.

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY**

**Term-End Examination**

**June, 2015**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

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**Note :** (i) *All the questions are compulsory.*

(ii) *All the questions carry equal weightage.*

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1. Answer the following question in about 600 words.

Discuss briefly the implications of Behaviourist and Cognitivist Theories of learning on teaching and learning with technology.

**OR**

Discuss how technology can impact learning in face-to-face and virtual learning environment.

2. Answer the following question in about 600 words.

What is instructional system ? Describe the stages of designing and developing instructional system.

**OR**

What is transfer of learning/training ? Explain the role of teacher in transfer of learning/training.

3. Answer **any four** of the following questions in about **150** words each.
- (a) Differentiate between localization and centralization of ET.
  - (b) State the major contributions of technology to the field of education.
  - (c) What is flexible learning ? Mention the considerations that open Learning Institutions take into account while implementing flexible learning.
  - (d) What are the short term impact of ET policy ?
  - (e) State the major objectives of Consortium of Educational Communication (CEC).
  - (f) Describe the Broadband Policy of the Government of India.

4. Answer the following question in about **600** words.

Suppose, as an educational technologist, you are assigned by an educational institution the job of carrying out an evaluative study on the impact of computer technology in the teaching-learning process. Describe how you will carry out the assignment.

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (PGDET)**

**Term-End Examination**

**December, 2015**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

**Note :** (i) *All questions are compulsory.*

(ii) *All questions carry equal weightage.*

1. Answer the following question in about 600 words :

Explain the socio-psychological impact of educational technology.

**OR**

Discuss the implications of cognitivism on teaching-learning with technology.

2. Answer the following question in about 600 words :

Explain face to face and network learning environments.

**OR**

Discuss how technology helps in developing learner partnership for optimising learning ?

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

- (a) Explain Context Input Process and Product (CIPP) model for technology evaluation.
- (b) Differentiate between satellite and terrestrial based communication.
- (c) Differentiate between rote and discovery learning.
- (d) Discuss the major activities of EMPC.
- (e) Explain System Approach in the context of Educational Technology.
- (f) Explain various sources of feedback.

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

Suppose you have recently introduced technology in your organisation. Propose a monitoring plan for technology implementation.

No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (PGDET)**

**Term-End Examination**

**June, 2016**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All the questions are compulsory.*

*(ii) All the questions carry equal weightage.*

1. Answer the following question in about 600 words :  
Differentiate between synchronous and asynchronous feedback. Discuss major channels of feedback which can be used in teaching learning system.

**OR**

Differentiate between lateral and vertical transfer with examples. Explain the role of a teacher in transfer of learning.

2. Answer the following question in about 600 words :  
Discuss the issues to be kept in mind while preparing a comprehensive Educational Technology Policy.

**OR**

'Technology encourages socialization rather than creating isolation' Justify the statement with suitable examples.

3. Answer **any four** of the following in about **150** words each :
- (a) Explain the steps for conducting evaluation of Educational Technology.
  - (b) Mention the broad objectives of CIET.
  - (c) Explain the role of technology in problem solving.
  - (d) Describe virtual learning environment.
  - (e) Explain any two factors that influence the selection of media.
  - (f) What is telephone tutoring ? Discuss its advantages and limitations.

4. Answer the following question in about **600** words :
- Select any two individual differences, and suggest how technology can help in addressing these individual differences.

ASSIGNMENT GURU

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No. of Printed Pages : 2

MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (PGDET)**

**Term-End Examination**

**December, 2016**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All questions are compulsory.*

*(ii) All questions carry equal weightage.*

1. Answer the following question in about 600 words :  
Describe the recommendations of the NPE (1986) regarding the use of educational technology. State the problems likely to be faced while implementing these recommendations at the school level.

**OR**

Describe strategies for using technology in distance education. Discuss the issues to be considered for monitoring of the implementation of technology plan.

2. Answer the following question in about 600 words :  
Explain the concept of systems approach in the context of ET. Discuss with example the role of systems approach in problems solving.

**OR**

Define the concept of transfer of learning. Discuss with examples the role of a teacher in facilitating transfer of learning.

3. Answer **any four** of the following questions in about **150** words each :
- (a) Differentiate between synchronous and asynchronous feedback.
  - (b) Describe the cybernetic phase in the context of evolution of ET.
  - (c) Discuss the major differences between Behaviourism and Cognitivism.
  - (d) Write a short note on Technology Enabled/Enhanced Learning.
  - (e) Discuss the strengths and weaknesses of educational video programmes.
  - (f) Describe video conferencing and computer conferencing.

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

Explain the use of the CIPP Model of evaluation of educational technology in the context of the educational technologies available in your educational institution.

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MES-031

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (PGDET)**

**Term-End Examination**

**June, 2017**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All questions are compulsory.*

*(ii) All questions carry equal weightage.*

1. Answer the following question in about 600 words :

Define edutainment. Discuss the characteristics of the good edutainment training/learning package.

**OR**

Explain the importance of ET in the teaching-learning process. Discuss how ET addresses individual differences in human learning.

2. Answer the following question in about 600 words :

State the advantages of meaningful learning over rote learning. Discuss the use of technology in facilitating meaningful learning.

**OR**

Describe Satellite-based communication and discuss its use in education.

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

- (a) Discuss the need for monitoring the implementation of a plan developed for technology use.
- (b) Describe the concept of 'virtual learning'.
- (c) Discuss psycho-sociological phase in the context of evolution of ET.
- (d) Write a note on curriculum design and integration of ET.
- (e) How do ERNET and DELNET facilitate educational institutions in their academic activities ?
- (f) Discuss Interaction Analysis as a feedback device with the help of examples.

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

Describe various forms of transfer of training / learning. Discuss the form you would like to use to teach a topic of your choice.

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No. of Printed Pages : 4

MES-031

00295

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (MA) (EDU) /  
(PGDET)**

**Term-End Examination**

**December, 2017**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

*Note : (i) All questions are compulsory.*

*(ii) All questions carry equal weightage.*

1. Answer the following question in about 600 words.

Discuss the cybernetic and psycho-sociological phases of evolution of educational technology.

**OR**

Discuss the concept and importance of feedback with the help of examples.

2. Answer the following question in about 600 words.

What do you mean by cognitivism? Discuss the implications of cognitivism on teaching and learning.

**OR**

Discuss different kinds of teleconferencing.

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

- (a) Discuss various approaches to integrate educational technology in curriculum design.
- (b) Discuss the application of systems approach in the teaching learning process.
- (c) Discuss the advantages of synchronous and asynchronous feedback.
- (d) Discuss criteria of mediated learning experiences.
- (e) Describe the nature and uses of virtual learning environment.
- (f) Describe policy guidelines for setting up community radio stations.

4. Answer the following question in about 600 words :  
Based on your experience as a student of ET, explain as to how ET :

- (a) makes learning individualised on one hand and on the other hand facilitate collaborative learning.
- (b) provides the scope for active learning through opportunities to search, locate, process and share information.
- (c) empowers learners and make education learner-centric.

Give examples in support of your answer.

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एम.ई.एस.-031

शिक्षा में परास्नातक/शिक्षण प्रौद्योगिकी में परास्नातक  
डिप्लोमा ( एम.ए. ) ( शिक्षा ) / ( पी.जी.डी.ई.टी )

सत्रांत परीक्षा

दिसम्बर, 2017

एम.ई.एस.-031 : शैक्षिक तकनीकी : एक विहगावलोकन

समय : 3 घण्टे

अधिकतम भारिता : 70%

नोट : (i) सभी प्रश्न करना अनिवार्य हैं।

(ii) सभी प्रश्नों की अधिभारिता समान है।

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
शैक्षिक प्रौद्योगिकी के उद्भव की साइबरनेटिक एवं मनो-  
समाजशास्त्रीय प्रावस्थाओं की चर्चा कीजिए।

अथवा

प्रत्युत्तर (फीडबैक) की संकल्पना एवं महत्व की चर्चा, उदाहरण  
देते हुए कीजिए।

2. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
संज्ञानवाद से आप क्या समझते हैं? अध्ययन - अध्यापन के  
संबंध में संज्ञानवाद के निहितार्थों की चर्चा कीजिए।

अथवा

विभिन्न प्रकार के दूरसम्मेलनों (teleconferencing) की चर्चा  
कीजिए।

3. निम्नलिखित में से किन्हीं चार प्रश्नों के उत्तर (प्रत्येक) लगभग 150 शब्दों में दीजिए :

- (a) पाठ्यचर्या डिज़ाइनिंग में शैक्षिक प्रौद्योगिकी समाहित करने की दृष्टि से विविध दृष्टिकोणों की चर्चा कीजिए।
- (b) अध्ययन - अध्यापन प्रक्रिया में व्यवस्था (systems) संबंधी दृष्टिकोणों के अनुप्रयोग की चर्चा कीजिए।
- (c) समकालिक और असमकालिक प्रत्युत्तरों के लाभ लिखिए।
- (d) मध्यस्थतापरक अधिगम अनुभवों के मानदंडों की चर्चा कीजिए।
- (e) काल्पनिक (virtual) अधिगम परिवेश की प्रकृति एवं उपयोग का वर्णन कीजिए।
- (f) कम्यूनिटी रेडियो स्टेशन स्थापना के नीति संबंधी दिशा-निर्देशों का वर्णन कीजिए।

4. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

शैक्षिक तकनीकी के विद्यार्थी होने के नाते अपने अनुभव के आधार पर बताइए कि शैक्षिक तकनीकी कैसे :

- (a) एक तरफ अधिगम को हर विद्यार्थी के मुताबिक और दूसरी तरफ सहयोगपरक शिक्षा को सुगम या आसान कैसे बनाती है?
- (b) विविध प्रकार के अवसरों को खोजने, इनकी प्राप्ति के बिंदु का पता लगाने, प्रक्रिया और सूचना साझा करने के माध्यम से सक्रिय अधिगम का विस्तार कैसे करती है?
- (c) शिक्षार्थियों/विद्यार्थियों को सशक्त कैसे बनाती है और शिक्षा को शिक्षार्थी-केंद्रित कैसे बनाती है?

अपने उत्तर की पुष्टि, उचित उदाहरण देते हुए कीजिए।

No. of Printed Pages : 4

MES-031

02528

**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (MA) (EDU) /  
(PGDET)**

**Term-End Examination**

**June, 2018**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

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

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1. Answer the following question in about 600 words.

Discuss the socio-psychological impact of ET.

**OR**

What is meant by transfer of learning ? Discuss various theories of transfer of learning.

2. Answer the following question in about 600 words :

What do you mean by information processing ? Discuss as to how human beings learn through information processing.

**OR**

Discuss merits and demerits of satellite-based and terrestrial-based communication.

3. Answer **any four** of the following questions in about **150** words each :
- (a) Describe the steps of conducting evaluation of ET.
  - (b) Discuss the stages of designing and developing instructional system.
  - (c) Discuss the role of a teacher in transfer of learning.
  - (d) Describe the nature and implementation of flexible learning.
  - (e) Discuss the salient features of Information Technology Policy- 1998.
  - (f) Discuss short-term and long-term impact of ET Policy.

4. Answer the following question in about **600** words :
- How does educational technology aid learning by problem solving method and discovery learning method ? Discuss.

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एम.ई.एस.-031

शिक्षा में परास्नातक/शिक्षण प्रौद्योगिकी में परास्नातक  
डिप्लोमा ( एम.ए. ) ( शिक्षा )/( पी.जी.डी.ई.टी )

सत्रांत परीक्षा

जून, 2018

एम.ई.एस.-031 : शैक्षिक तकनीकी : एक विहगावलोकन

समय : 3 घण्टे

अधिकतम भारिता : 70%

नोट : (i) सभी प्रश्नों के उत्तर देना अनिवार्य हैं।

(ii) सभी प्रश्नों की अधिभारिता समान है।

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
शैक्षिक तकनीकी के सामाजिक-मनोवैज्ञानिक प्रभाव की चर्चा  
कीजिए।

अथवा

अधिगम के स्थानान्तरण से क्या अभिप्राय है? अधिगम-  
स्थानान्तरण के विविध सिद्धांतों की चर्चा कीजिए।

2. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
सूचना प्रसंस्करण से आप क्या समझते हैं? मनुष्य, सूचना  
प्रसंस्करण के माध्यम से कैसे सीखते हैं? चर्चा कीजिए।

अथवा

उपग्रह-आधारित और स्थलीय-आधारित संचार के लाभ एवं  
दोषों की चर्चा कीजिए।

3. निम्नलिखित प्रश्नों में से किन्हीं चार के उत्तर (प्रत्येक) लगभग 150 शब्दों में दीजिए :

- (a) शैक्षिक तकनीकी मूल्यांकन के विभिन्न चरणों का वर्णन कीजिए।
- (b) अनुदेशी पद्धति की रूपरेखा तैयार करने एवं इसे विकसित करने के चरणों की चर्चा कीजिए।
- (c) अधिगम-स्थानान्तरण में अध्यापक की भूमिका की चर्चा कीजिए।
- (d) लचीली शिक्षा की प्रकृति एवं कार्यान्वयन का वर्णन कीजिए।
- (e) सूचना प्रौद्योगिकी नीति-1998 की मुख्य विशेषताओं की चर्चा कीजिए।
- (f) शैक्षिक तकनीकी नीति के अल्पकालिक एवं दीर्घकालिक प्रभाव की चर्चा कीजिए।

4. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

शैक्षिक प्रौद्योगिकी-समस्या समाधान विधि और खोज अधिगम विधि के जरिए शिक्षा को मदद कैसे प्रदान करती है? चर्चा कीजिए।

No. of Printed Pages : 4

MES-031

00341  
**MASTER OF ARTS (EDUCATION)/  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (MA) (EDU) /  
(PGDET)**

**Term-End Examination**

**December, 2018**

**MES-031 : ET-AN OVERVIEW**

*Time : 3 hours*

*Maximum Weightage : 70%*

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

1. Answer the following question in about 600 words :  
Explain the concept and approaches to educational technology. Describe the evolution of educational technology.

**OR**

Describe in brief the factors affecting selection of educational technology for teaching learning purpose and give an example.

2. Answer the following question in about 600 words :  
Explain the concept of Systems Approach. Discuss its role in problem solving with a suitable example from instructional context.

**OR**

Describe forms of transfer of learning. Discuss the role of a teacher in transfer of learning.

3. Answer any four of the following questions in about 150 words each :
- (a) Differentiate between synchronous and asynchronous feedback with examples.
  - (b) Discuss briefly the implications of cognitive theories of learning while teaching with technology.
  - (c) Write a short note on audio-visual projected (with motion) media.
  - (d) Write a note on E-governance in India.
  - (e) Describe strategies for implementing technology in education.
  - (f) Describe the steps of conducting evaluation of educational technology.

4. Answer the following question in about 600 words :

Describe modes of monitoring the implementation of technology plan. Discuss the input areas that you would like to consider for it.

एम.ई.एस.-031

शिक्षा में परास्नातक/ शिक्षण प्रौद्योगिकी में परास्नातक  
डिप्लोमा ( एम.ए. ) ( शिक्षा ) / ( पी.जी.डी.ई.टी )

सत्रांत परीक्षा

दिसंबर, 2018

एम.ई.एस.-031 : शैक्षिक तकनीकी : एक विहगावलोकन

समय : 3 घण्टे

अधिकतम भारिता : 70%

नोट : (i) सभी प्रश्न अनिवार्य हैं।

(ii) सभी प्रश्नों की भारिता समान है।

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए।  
शैक्षिक प्रौद्योगिकी की अवधारणा एवं उपागमों की व्याख्या  
कीजिए। शैक्षिक प्रौद्योगिकी के विकास का वर्णन कीजिए।

अथवा

शिक्षण अधिगम के प्रयोजन हेतु शैक्षिक प्रौद्योगिकी के चयन को  
प्रभावित करने वाले कारकों का संक्षिप्त वर्णन कीजिए तथा एक  
उदाहरण दीजिए।

2. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए।  
प्रणाली उपागम की अवधारणा की व्याख्या कीजिए। समस्या  
समाधान में इसकी भूमिका की चर्चा अनुदेशनात्मक संदर्भ से  
उचित उदाहरण द्वारा कीजिए।

अथवा

अधिगम के स्थानांतरण के स्वरूपों का वर्णन कीजिए। अधिगम  
के स्थानांतरण में शिक्षक की भूमिका की चर्चा कीजिए।

3. निम्नलिखित में से **किन्हीं चार** प्रश्नों के उत्तर प्रत्येक लगभग **150 शब्दों** में दीजिए।
- सिंक्रोनस तथा असिंक्रोनस प्रतिपुष्टि में उदाहरण द्वारा अंतर स्पष्ट कीजिए।
  - प्रौद्योगिकी द्वारा शिक्षण के समय अधिगम के संज्ञानात्मक सिद्धांतों के निहितार्थों की चर्चा कीजिए।
  - श्रव्य-दृश्य प्रक्षेपी (गतिमान) मीडिया पर एक संक्षिप्त टिप्पणी लिखिए।
  - भारत में ई-प्रशासन पर एक टिप्पणी लिखिए।
  - शिक्षा में प्रौद्योगिकी के क्रियान्वयन हेतु रणनीतियों का वर्णन कीजिए।
  - शैक्षिक प्रौद्योगिकी के मूल्यांकन करने के चरणों/पदों का वर्णन कीजिए।
4. निम्नलिखित प्रश्न का उत्तर लगभग **600 शब्दों** में दीजिए।  
प्रौद्योगिकी योजना के क्रियान्वयन के पर्यवेक्षण की पद्धतियों का वर्णन कीजिए। इनपुट क्षेत्रों की चर्चा कीजिए जिन्हें आप इसके लिए विचार करेंगे।

No. of Printed Page : 6

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MES-031

**MASTER OF ARTS (EDUCATION)/POST GRADUATE  
DIPLOMA IN EDUCATIONAL TECHNOLOGY (MA)  
(EDU)/(PGDET)**

**Term-End Examination, 2019**

**MES-031 : ET-AN OVERVIEW**

**Time : 3 Hours]**

**[Maximum Weightage : 70%**

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

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1. Answer the following question in about **600** words :
- Describe in brief theories of transfer of learning. Discuss the role of a teacher in transfer of learning.

**OR**

Describe types of feedback mechanisms. Discuss interaction analysis as a feedback device.

2. Answer the following question in about **600** words :
- Describe domains of learning. Discuss approaches to learning.

MES-031

( 1 )

[P.T.O.]

OR

Explain technology enabled learning. Discuss how individual differences are taken into consideration in technology enabled learning.

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

- (a) Discuss briefly the implications of constructivism for teaching-learning process.
- (b) Discuss the challenges and issues concerning policy perspectives in educational technology at the national level.
- (c) Describe briefly history of Satellite based communication in education in India.
- (d) Describe evolution of educational technology in the context of its psycho - sociological phase.
- (e) Write a brief note on assessing the impact of educational technology.
- (f) Explain teaching learning as a system.

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

Describe the steps of conducting evaluation of educational technology. Discuss the model of evaluation that you would like to select in your institution in this regard.

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एम.ई.एस.-031

शिक्षा में परास्नातक/शिक्षण प्रौद्योगिकी में  
परास्नातक डिप्लोमा (एम.ए.) (शिक्षा)/  
(पी.जी.डी.ई.टी.)

सत्रांत परीक्षा, 2019

एम.ई.एस.-031 : शैक्षिक तकनीकी : एक विहंगावलोकन

समय : 3 घण्टे अधिकतम भारिता : 70%

नोट : सभी प्रश्न अनिवार्य हैं। सभी प्रश्नों की भारिता समान है।

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

अधिगम के स्थानान्तरण के सिद्धांतों का संक्षिप्त वर्णन कीजिए।

अधिगम के स्थानान्तरण में शिक्षक की भूमिका की चर्चा कीजिए।

अथवा

प्रतिपुष्टि प्रणाली के प्रकारों का वर्णन कीजिए। प्रतिपुष्टि उपकरण के रूप में अंतःक्रिया विश्लेषण की चर्चा कीजिए।

2. निम्न प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

अधिगम के क्षेत्रों का वर्णन कीजिए। अधिगम के उपागमों की चर्चा कीजिए।

## अथवा

तकनीक समर्थित अधिगम की व्याख्या कीजिए। तकनीक समर्थित अधिगम में व्यक्तिगत भिन्नता का विचार कैसे किया जाता है ? चर्चा कीजिए।

3. निम्नलिखित में से किन्हीं चार प्रश्नों के उत्तर प्रत्येक लगभग 150 शब्दों में दीजिए :

(क) शिक्षण-अधिगम प्रक्रिया हेतु रचनावाद के निहितार्थों की संक्षिप्त चर्चा कीजिए।

(ख) राष्ट्रीय स्तर पर शैक्षिक प्रौद्योगिकी में नीतिगत परिप्रेक्ष्यों से संबंधित चुनौतियों एवं मुद्दों की चर्चा कीजिए।

(ग) भारत में शिक्षा में उपग्रह आधारित संचार के इतिहास का संक्षिप्त वर्णन कीजिए।

(घ) मनो-सामाजिक चरण के संदर्भ में शैक्षिक प्रौद्योगिकी के उद्भव का वर्णन कीजिए।

(ङ) शैक्षिक प्रौद्योगिकी के प्रभाव के आंकलन पर एक संक्षिप्त टिप्पणी लिखिए।

(च) एक प्रणाली के रूप में शिक्षण-अधिगम की व्याख्या कीजिए।

4. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

शैक्षिक प्रौद्योगिकी के मूल्यांकन करने में सम्मिलित पदों/चरणों का वर्णन कीजिए। मूल्यांकन प्रतिमानों की चर्चा कीजिए जिन्हें इससे संबद्ध आप अपने संस्थान में चयन करने हेतु करेंगे।

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No. of Printed Pages : 6 1972

MES-031

**MASTER OF ARTS (EDUCATION)/POST  
GRADUATE DIPLOMA IN EDUCATIONAL  
TECHNOLOGY (MA) (EDU)/(PGDET)**

**Term-End Examination, 2019**

**MES-031 : ET-AN OVERVIEW**

**Time : 3 Hours]**

**[Maximum Weightage : 70%**

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

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1. Answer the following question in about 600 words :

Define the concept of educational technology. Differentiate between hardware and software approaches to educational technology.

**OR**

Discuss the applications of the systems approach to education in general and in the teaching learning process in particular.

2. Answer the following question in about 600 words :

Discuss, with the help of suitable examples, the various domains of learning.

MES-031/2000

( 1 )



OR

Analyse the gaps and short comings between the policy recommendations and their implementations.

3. Answer **any four** of the following questions in about 150 words each :
- (a) Describe 'cybernetics' and 'psycho-sociological' phases of educational technology.
  - (b) Discuss the points you will keep in mind while maintaining quality of evaluation of educational technology.
  - (c) Describe the theory of mediated learning experience.
  - (d) What do you mean by virtual learning environment ? Discuss different modes of virtual learning environment.
  - (e) Describe the need for a policy for educational technology.
  - (f) Describe various channels of feedback available to teachers and students.

4. Answer the following question in about 600 words :

Suppose you are assigned by your institution the task of carrying out an evaluation study on the impact of computer technology in the teaching learning process. Discuss as to how you will carry out the task.

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एम.ई.एस.-031

शिक्षा में परास्नातक/शिक्षण प्रौद्योगिकी में परास्नातक  
डिप्लोमा (एम.ए.) (शिक्षा) / (पी.जी.डी.ई.टी.)

सत्रांत परीक्षा, 2019

एम.ई.एस.- 031 : शैक्षिक तकनीकी : एक विहंगावलोकन

समय : 3 घण्टे

अधिकतम भारिता : 70%

नोट : सभी प्रश्न अनिवार्य हैं। सभी प्रश्नों की भारिता समान है।

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
शैक्षणिक तकनीकी के सम्प्रत्यय को परिभाषित कीजिए। शैक्षणिक तकनीकी की हार्डवेयर और साफ्टवेयर उपागम में अंतर स्पष्ट कीजिए।

अथवा

शिक्षा में 'प्रक्रम-उपागम' की उपादेयताओं की समान्य सन्दर्भ में तथा शिक्षण-अधिगम प्रक्रिया के विशिष्ट सन्दर्भ में चर्चा कीजिए।

2. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
उचित उदाहरणों की सहायता से, अधिगम के विविध उपागमों की चर्चा कीजिए।

## अथवा

योजनाओं की अनुशांसाओं और उनके अनुपालन में अन्तर व कमियों का विश्लेषण कीजिए।

3. निम्नलिखित में से किन्हीं चार प्रश्नों के उत्तर प्रत्येक लगभग 150 शब्दों में दीजिए :

- (a) शैक्षणिक तकनीकी के 'साइबरनेटिक्स' तथा 'मनोसामाजिक' चरण का वर्णन कीजिए।
- (b) शैक्षणिक तकनीकी का मूल्यांकन करते समय गुणवत्ता सुनिश्चित करते समय आप किन बिन्दुओं को ध्यान में रखेंगे ? चर्चा कीजिए।
- (c) 'माध्यम अधिगम अनुभव' के सिद्धान्त का वर्णन कीजिए।
- (d) 'आभासी अधिगम परिवेश' से आप क्या समझते हैं? आभासी अधिगम परिवेश के विभिन्न माध्यमों की चर्चा कीजिए।
- (e) शैक्षणिक तकनीकी के लिये एक योजना की आवश्यकता की चर्चा कीजिए।
- (f) शिक्षकों व विद्यार्थियों के लिये उपलब्ध प्रतिपुष्टि के विभिन्न चैनल कौन-से हैं ?

4. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

मान लीजिए, शिक्षण-अधिगम प्रक्रिया में कम्प्यूटर तकनीकी के प्रभाव का मूल्यांकन अध्ययन करने का कार्य आपके संस्थान ने आपको दिया है। आप इस कार्य को कैसे पूरा करेंगे ?

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No. of Printed Pages : 4

**MES-031**

**MASTER OF ARTS (EDUCATION) /  
POST GRADUATE DIPLOMA IN  
EDUCATIONAL TECHNOLOGY (MA)  
(EDU)/(PGDET)**

**Term-End Examination - 2020**

**MES-031 : ET-AN Overview**

*Time : 3 Hours]*

*[Maximum Weightage : 70%*

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

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1. Answer the following questions in about 600 words.

Discuss the impact of educational technology on conventional and open and distance learning (ODL) system.

**OR**

What do you mean by transfer of learning? How will you, as a teacher, facilitate transfer of learning in students. Discuss.

2. Discuss the various policies related to educational technology in independent India.

**OR**



Discuss information processing in human beings. Support each step of information processing with suitable examples from the classroom situation.

3. Answer any four of the following questions in about 150 words each.

(a) Describe the systems approach to educational technology.

(b) Discuss the importance of synchronous and asynchronous feedback.

(c) Discuss the educational implications of Pavlov's theory of learning.

(d) Discuss Romiszowski's model of factors affecting 'media selection'?

(e) Compare the advantages of satellite-based and terrestrial communication.

(f) Explain the relation of technology with human resource planning.

4. Answer the following question in about 600 words.

With the emergence of new educational technologies, the traditional technologies should not be used by the teachers in a classroom. Do you agree with the statement? Justify your answer with convincing arguments in each case.

एम.ई.एस.-031

शिक्षा में परास्नातक/शिक्षण प्रौद्योगिकी में परास्नातक  
डिप्लोमा (एम.ए.) (शिक्षा)/(पी.जी.डी.ई.टी.)

सत्रांत परीक्षा

एम.ई.एस.-031 : शैक्षिक तकनीकी: एक विहगावलोकन

समय : 3 घण्टे

अधिकतम भारिता: 70%

नोट: सभी प्रश्न अनिवार्य हैं। सभी प्रश्नों की भारिता समान है?

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए।  
परम्परागत तथा मुक्त एवं दूरस्थ शिक्षा प्रणाली पर शैक्षणिक तकनीकी के प्रभाव की चर्चा कीजिए।

अथवा

‘अधिगम स्थानान्तरण’ से आप क्या समझते हैं? एक शिक्षक के रूप में आप विद्यार्थियों में अधिगम स्थानान्तरण कैसे सुसाध्य करेंगे? चर्चा कीजिए।

2. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए।  
स्वतंत्र भारत में शैक्षणिक तकनीकी से सम्बन्धित विभिन्न योजनाओं की चर्चा कीजिए।

अथवा

मानव में सूचना प्रसंस्करण की चर्चा कीजिए। कक्षाकक्ष परिस्थिति से उदाहरण देते हुए सूचना प्रसंस्करण के प्रत्येक चरण को स्पष्ट कीजिए।

3. निम्नलिखित में से किन्हीं चार प्रश्नों उत्तर दीजिए प्रत्येक लगभग 150 शब्दों में हो।

(a) शैक्षणिक तकनीकी के 'प्रक्रम उपागम' का वर्णन कीजिए।

(b) समकालिक तथा गैर-समकालिक पृष्ठपोषण के महत्त्व की चर्चा कीजिए।

(c) पॉवलोव के अधिगम सिद्धान्त की शैक्षिक उपादेयताओं का वर्णन कीजिए।

(d) 'संचारमाध्यम चयन' को प्रभावित करने वाले विभिन्न कारकों के रोमिस्जोवस्की के प्रतिमान की चर्चा कीजिए।

(e) उपग्रह-आधारित तथा भौमिक संप्रेषण के लाभों की तुलना कीजिए।

(f) मानव संसाधन नियोजन के तकनीक से सम्बन्ध की व्याख्या कीजिए।

4. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए।

नवीन शैक्षिक तकनीकों के उभार के कारण एक कक्षा में अध्यापक को परम्परागत तकनीकों का प्रयोग नहीं करना चाहिए। क्या आप इस कथन से सहमत हैं? प्रत्येक स्थिति में अपने उत्तर की तार्किक रूप से पुष्टि कीजिए।

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MES-031

**MASTER OF ARTS (EDUCATION)/POST  
GRADUATE DIPLOMA IN EDUCATIONAL  
TECHNOLOGY (MA) (EDU)/(PGDET)**

**Term-End Examination, 2019**

**MES-031 : ET-AN OVERVIEW**

**Time : 3 Hours]**

**[Maximum Weightage : 70%**

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

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1. Answer the following question in about 600 words :

Define the concept of educational technology. Differentiate between hardware and software approaches to educational technology.

**OR**

Discuss the applications of the systems approach to education in general and in the teaching learning process in particular.

2. Answer the following question in about 600 words :

Discuss, with the help of suitable examples, the various domains of learning.

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( 1 )



OR

Analyse the gaps and short comings between the policy recommendations and their implementations.

3. Answer **any four** of the following questions in about 150 words each :
- (a) Describe 'cybernetics' and 'psycho-sociological' phases of educational technology.
  - (b) Discuss the points you will keep in mind while maintaining quality of evaluation of educational technology.
  - (c) Describe the theory of mediated learning experience.
  - (d) What do you mean by virtual learning environment ? Discuss different modes of virtual learning environment.
  - (e) Describe the need for a policy for educational technology.
  - (f) Describe various channels of feedback available to teachers and students.

4. Answer the following question in about 600 words :

Suppose you are assigned by your institution the task of carrying out an evaluation study on the impact of computer technology in the teaching learning process. Discuss as to how you will carry out the task.

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एम.ई.एस.-031

शिक्षा में परास्नातक/शिक्षण प्रौद्योगिकी में परास्नातक  
डिप्लोमा (एम.ए.) (शिक्षा) / (पी.जी.डी.ई.टी.)

सत्रांत परीक्षा, 2019

एम.ई.एस.- 031 : शैक्षिक तकनीकी : एक विहंगावलोकन

समय : 3 घण्टे

अधिकतम भारिता : 70%

नोट : सभी प्रश्न अनिवार्य हैं। सभी प्रश्नों की भारिता समान है।

1. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
शैक्षणिक तकनीकी के सम्प्रत्यय को परिभाषित कीजिए। शैक्षणिक तकनीकी की हार्डवेयर और साफ्टवेयर उपागम में अंतर स्पष्ट कीजिए।

अथवा

शिक्षा में 'प्रक्रम-उपागम' की उपादेयताओं की समान्य सन्दर्भ में तथा शिक्षण-अधिगम प्रक्रिया के विशिष्ट सन्दर्भ में चर्चा कीजिए।

2. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :  
उचित उदाहरणों की सहायता से, अधिगम के विविध उपागमों की चर्चा कीजिए।

## अथवा

योजनाओं की अनुशांसाओं और उनके अनुपालन में अन्तर व कमियों का विश्लेषण कीजिए।

3. निम्नलिखित में से किन्हीं चार प्रश्नों के उत्तर प्रत्येक लगभग 150 शब्दों में दीजिए :

- (a) शैक्षणिक तकनीकी के 'साइबरनेटिक्स' तथा 'मनोसामाजिक' चरण का वर्णन कीजिए।
- (b) शैक्षणिक तकनीकी का मूल्यांकन करते समय गुणवत्ता सुनिश्चित करते समय आप किन बिन्दुओं को ध्यान में रखेंगे ? चर्चा कीजिए।
- (c) 'माध्यम अधिगम अनुभव' के सिद्धान्त का वर्णन कीजिए।
- (d) 'आभासी अधिगम परिवेश' से आप क्या समझते हैं? आभासी अधिगम परिवेश के विभिन्न माध्यमों की चर्चा कीजिए।
- (e) शैक्षणिक तकनीकी के लिये एक योजना की आवश्यकता की चर्चा कीजिए।
- (f) शिक्षकों व विद्यार्थियों के लिये उपलब्ध प्रतिपुष्टि के विभिन्न चैनल कौन-से हैं ?

4. निम्नलिखित प्रश्न का उत्तर लगभग 600 शब्दों में दीजिए :

मान लीजिए, शिक्षण-अधिगम प्रक्रिया में कम्प्यूटर तकनीकी के प्रभाव का मूल्यांकन अध्ययन करने का कार्य आपके संस्थान ने आपको दिया है। आप इस कार्य को कैसे पूरा करेंगे ?

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