B.Sc. in Multimedia

Syllabus

Duration: three year
Eligibility: 10+2 in any discipline

Institute of Mass Communication and Media Technology

Kurukshetra University

B.Sc. Multi Media
Scheme of Examination and Syllabus (w.e.f. session 2012-13)

		T	P	IA	T
First Semester					
Paper-1	Science of communication	80	-	20	=100
Paper- 2	Communicative Hindi	80	-	20	=100
Paper- 3	Social Science-I	80	-	20	=100
Paper- 4	Fundamentals of Computer	50	30	20	=100
Paper-5	Fundamentals of multimedia	80	-	20	=100
Second Semester					
Paper-6	Communication technologies	80	-	20	=100
					20 =100
Paper- 7	Communicative English	80	-	**Ammended w.e.f 2012-13**	
Paper- 8	Social Science-II	80	-	20	=100
Paper- 9	Computer organization and Structure	80	-	20	=100
Paper-10	Page maker or Quark Express	80		20	=100
Third Semester					
Paper-11	Applications of multimedia	80	-	20	=100
Paper- 12	Videography	50	30	20	=100
Paper- 13	Computer graphics	80	-	20	=100
Paper- 14	Static Web designing (HTML)	50	30	20	=100
Paper- 15	Coral Draw	80		20	=100
Forth Semester					
Paper- 16	Animation techniques-I	80	-	20	=100
Paper- 17	Video production	80	-	20	=100
Paper- 18	Interactive Courseware Designing	80	-	20	=100
Paper- 19	Dynamic web designing (Dreamweaver)	50	30	20	= 100
Paper- 20	Photoshop	80		20	= 100
Fifth Semester					
Paper- 21	Animation techniques-II	80	-	20	=100
Paper- 22	Non-linier editing	80	-	20	=100
Paper- 23	Data communication and Computer network	80	-	20	=100
Paper- 24	ASP.net	50	30	20	=100
Paper- 25	Sound Forge & Adobe Premiere	80		20	=100
Sixth Semester					
Paper- 26	Web management	80	-	20	= 100
Paper- 27	Content writing	80	-	20	= 100
Paper- 28	Flash	80	-	20	=100
Paper- 29	Project	160	-	40	=200

Note: T (theory), P (practical), IA (internal assessment), T (total)

<p style="text-align:center">Paper-1 (First Semester)</p>

Science of Communication

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Evolution of social groups and organic structure of society
Essentiality of communication in social groups
Concept, definitions and elements of human communication
Functions of communication
Socialization and role of communication in socialization

Unit II

Intrapersonal communication
Interpersonal communication
Group communication
Public communication
Mass communication

Unit III

Verbal communication
Non-verbal communication
Oral communication
Written communication

Unit IV

Visual communication
Signs, symbols and code systems
Communication skills
Dress codes, mannerism, accent and etiquettes
Listening- importance and art of developing listening habits

Paper-2 (First Semester)
Communicative Hindi

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

इकाई–एक
भाषा
हिन्दी भाषा का संक्षिप्त विकास क्रम
हिन्दी की लिपि एवं बोलियों का संक्षिप्त परिचय
शब्दकोष : उपयोग एवं महत्त्व

इकाई– दो
शब्द एवं वाक्य संरचना
हिन्दी में शब्द संरचना एवं प्रयोग : संधि, समास, उपसर्ग, प्रत्यय,
पर्यायवाची, विलोमार्थी, अनेकार्थक, समूहार्थक शब्द
(केवल व्यावहारिक, व्याकरण केवल परिचयात्मक)

इकाई–तीन
प्रमुख मुहावरों एवं लोकोक्तियों का प्रयोग छंद
एवं अलंकारों का उपयोग

इकाई–चार
अध्ययन एवं सामुहिक चर्चा
गबन– मुंशी प्रेमचन्द

Social Science-I

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Concept, definitions and importance of sociology
Relation of sociology with other social sciences
Group-Community-Institution-organisation-Society-Humanity-Biosphere and their unity and inter-dependence
Meaning of family, kinship, class, caste, clan, tribe, marriage

Unit II

Concept of socialization, social stratification
Concept, definitions and process of social change
Understanding of contemporary changes in India
Characteristics of Indian culture

Unit III

Concept, definitions and importance of psychology
Relation of psychology with other social sciences
Importance of studying psychology for media students
Psychology of social groups

Unit IV

Elements and process of human behavior
Theory of information
Opinion and attitude formation

Fundamental of Computer

Time: 3 Hrs.
Marks: 50

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit-I

Origin and growth of computer
Devices of computer system
Computer memory and its types
Operating system and its types

Unit-II

Various types of languages: natural, machine, assembly and high
level Process of data transmission
Basic elements of computer network
Network typologies

Unit-III

Problem analysis with example
Algorithms, pseudo codes
Decision tables and flow charts
Structured programming concepts
Modular programming concept

Unit IV

Growth, development and functioning of internet
Main facilities in Internet and their usages: search engine, e-mailing, chatting, blogs, bulletin boards etc.

Fundamental of Multimedia

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit-I

Introduction to multimedia
Key elements of multimedia: text, audio, video, graphics, animation
Hardware and software requirements for multimedia
Applications of multimedia

Unit-II

Desktop publishing
Basic design concepts
User interface design
Hypermedia authoring concepts

Unit-III

Process of multimedia production
Various file formats of text, audio, video, graphics and animation
File compression techniques
Creating web based multimedia

Unit-IV

Introduction to animation
Basic audio and video integration techniques
Animation effects
Production process of animation

Communication Technologies

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit-I
Introduction to the technologies for mass communication:
Printing, photography, audiography, videography, cinematography
Communication satellites: types, structure and functioning
The process of radio, television and web broadcasting

Unit-II
Television standards: NTSC, PAL and SECAM
Interactive television, HDTV, IPTV
Display technology: CRT, plasma and LCD

Unit-III
FM and AM (MW and SW) radio
Radio bands and frequencies
Satellite radio and web radio
Telecommunications technologies

Unit-IV
Origin and growth of cable industry in India
Direct to Home (DTH), Fiber optics
Conditional Access System, Pay per view system
Digital technology and World Wide Web

Paper-7 (Second Semester)
Communicative English

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. "**Student have to answer question in English except where explicity asked by the examiner in any question to answer in Hindi as in the case of translation etc.**"

Unit-I

Growth and development of English language
Introduction to written and spoken English
Different types of spoken English - British, American and Indian

Unit-II

Usage of dictionary and thesaurus
Diction - words meaning and usage
Spelling rules, verb patterns, Idioms and phrases
Syntax - different types of sentence formation
Basic sentence formation

Unit-III

Common errors in spellings and sentences
Human organs of articulation
Main problems in pronunciation

Unit-IV

Voice analysis
Pitch and tempo for effective presentation
Exercising right pronunciation of difficult words

Paper-8 (Second Semester)
Social Science-II

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Concept, definitions and importance of Political Science
Relations of Political Science with other social sciences
Concepts of power and authority
Basic elements of Indian constitution

Unit II

Concepts of: Rights, liberty, equality, justice, duties and obligations
Nation, state, government
Capitalism, communism, cultural nationalism, socialism, *Gandhism*

Unit III

Concept, definitions and importance of Economics
Relations of Economics with other social sciences
Introduction to Indian Economy

Unit IV

Market, Principles of demand and supply
Consumer behavior
Concept of Globalization, Liberalization, *Swadeshi*,
Rural development

Paper-9 (Second Semester)
Computer organization & structure

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks. Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit-I

Number systems and number conversions
Binary arithmetic and representations of number system
Arithmetic digital circuits
Digital logic and gates

Unit-II

Combinational logic circuits
Boolean algebra and Karnaugh map
Constructions, properties, truth tables and their simplifications
Flip-Flops and sequential circuits

Unit-III

General register organization of CPU
Micro operations, instruction formats, addressing modes
Input-output organization and their interface
Interrupts and data transfer
Direct memory access (DMA) and input output processor

Unit-IV

Memory organization and types
Memory operations and mapping
Virtual memory and paging
Page replacement techniques

Paper-10 (Second Semester)
Page Maker/Quark Express

Time: 3 Hrs.
Marks: 80

There will be only practical examination in this paper. External examiner will evaluate the proficiency of the students in the software. Examiner will give on-the-spot assignments/tasks to the students.

Unit-I

Workspace of PageMaker/Quark Express
Main editing tools
Layouting

Unit-II

Using type: various font, size and style
Leading, paragraph and indents
Hyphenation and alignment

Unit-III

Text wrapping
Using images
Use of colours

Unit-IV

Polygon setting
Rounded corner
Utilities
Indexing

Paper-11 (Third Semester)
Applications of multimedia

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

UNIT I

Multimedia based presentations
Multimedia networks: retail and banking business
Application in interactive television
Multimedia kiosks

UNIT II

Multimedia use in training and education
Concept of interactive learning material
Multimedia in distance learning Multimedia for marketing and
advertising Multimedia use in museum and galleries

UNIT III

Concept generation of multimedia project
Process and stages of multimedia production
Multimedia production team members

UNIT IV
Production of two small multimedia presentations under the supervision of class teacher

Videography

Time: 3 Hrs.
Marks: 50

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Origin of still camera
Types of still camera: compact and SLR camera,
Difference between roll and digital camera
Parts of still camera: aperture, shutter speed, lens, filters and flash

Unit II

Basic technique of video camera
Various components of video camera
Types of video camera
Camera mountings

Unit III

Basic shots
Shot composition
Camera angles
Camera movements

Unit IV

Camera control unit
White balance
Resolution
Aspect ratio

Paper-13 (Third Semester)
Computer graphics

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Meaning of graphics
Elements of computer graphics
Types of computer graphics
Applications of computer graphics
Line and circle drawing algorithms

Unit II

Basic geometric transformations
Matrix representations and composite
transformations 2D viewing functions
Clipping operations: point, line, polygon, curve, text

Unit III

3D display methods
3D object representations
3D geometric modeling and transformations:
Transformation, rotation, scaling and composite transformation

Unit IV

Properties of light
Intuitive colour concepts
RGB, CMYK, YIQ and HSV colour model
Colour selection and applications

Paper-14 (Third Semester)
Static Web designing (HTML)

Time: 3 Hrs.
Marks: 50

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Process of static web designing
Basic elements of web page
Introduction to typography
Asthetics in colour and image selection

Unit II

HTML: introduction and basic elements
Syntax and document types
Head, title and body elements
Block and text level elements

Unit III

Layout designing of a web page
Links, images, fonts, colour, style sheet and character entities
Interface between HTML and other coding languages

Unit IV

Planning and designing ten static web pages connected to a home page on a single theme assigned by the class teacher

Paper-15 (Third Semester)
Coral Draw

Time: 3 Hrs.
Marks: 80

There will be only practical examination in this paper. External examiner will evaluate the proficiency of the students in the software. Examiner will give on-the-spot assignments/tasks to the students.

Unit –I

Introduction to Corel DRAW
Getting Started
Moving Around and Viewing Drawings
Introduction to tools
Shape panel, drawing panel, drawing panel, basic shapes
Interactive tools

Unit -II

Basic Drawing Skills
Selecting and Manipulating Objects
Drawing and Shaping Objects
Arranging Objects

Unit -III

Using of color
Working with all color effect
Using Text
Working With Text
Working With Objects

Unit -IV

Outlining and Filling Objects
Using Symbols and Clipart
Transforming Objects
Creating Output
Exporting Drawings
Printing

Paper-16 (Fourth Semester)
Animation techniques-I

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Animation: origin and growth
Basic principle of animation
Animation: meaning, definition and types

Unit II

Main elements of animation
Role of computers in animation
Computer language for animation

Unit III

Basic computer graphics algorithm
2D and 3D coordinated system
Reflection and rotation matrix

Unit IV

Motion control
Transparency, texture, shadow and anti hashing
Automatic motion control: mechanics, robotics, kinematics

Video production

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Concept and idea generation
Writing proposal or synopsis for production
Various stages of production: pre production, production, post production

Unit II

Television program formats – fictional and non fictional programs
Production team members and their responsibilities
Introduction to audio equipment – microphones, recorders and audio console

Unit III

Lighting equipment and control
Lighting techniques and problems
Introduction to make up techniques

Unit IV

Editing grammar and aesthetics
Editing equipment
Introduction to non linear editing workstation

Interactive Courseware Designing

Time: 3 Hrs.

Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Coursework – introduction need and structure
Learning – basics of learning, methods of learning

Unit II

Computer aided learning - process
Computer aided learning - types
Computer aided learning – advantages and disadvantages
Future of computer aided learning

Unit III

Selecting subjects fro the computer aided courseware
Preparing synopsis for a courseware
Listing learning points
Sequencing of learning points

Unit IV

Creating internal links
Creating external links
Creating self check exercises
Adding picture, graphs, charts and animated content
Evaluating the quality of courseware

Dynamic web designing (Dreamweaver)

Time: 3 Hrs.

Marks: 50

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

HTML basics, websites and pages, text formatting, tables, images, links, the basic Dreamweaver environment, creating a site profile, the importance of a site profile, organizing the files & folders, folder and filenaming rules, creating folders and webpage files , the implementation / coding process.

Unit II

Opening a file for editing, titling pages, creating divisions, adding headings, Paragraph vs. line breaks, tags: logical vs. physical, lists, linking to other websites, linking to the user files, inserting images on web pages, changing images into links , adding an Email link.

Unit III

CSS design, Applying DIVs, working of style sheet, starting a styles sheet, font, margins, link colors, stylish headlines, paragraphs indentation, types of images, organizing images, inserting and formatting tables.

Unit IV

Form elements, head elements, page templates, form objects, accessible forms, page layers, working with layers, flash elements, multimedia contents, browser compatibility testing, uploading the website on web, testing website online, uploading changes, maintaining website.

Paper-20 (Fourth Semester)

Photoshop

<div align="right">Time: 3 Hrs.
Marks: 80</div>

There will be only practical examination in this paper. External examiner will evaluate the proficiency of the students in the software. Examiner will give on-the-spot assignments/tasks to the students.

Unit-I

Photoshop's Environment, Raster and Vector Graphics , Navigating in Photoshop Image Size and Resolution, Cropping, Selecting Image Areas
The Rectangular and Elliptical Marquee Tools
The Lasso Tools, Saving Selections
The Magnetic Lasso Tool
Modifying Selections

Unit-II

Layers, Floating Versus Fixed Selections
Undoing Previous Steps ,Copying Selections , Creating Layers
Transforming Layers , Copying Layers between Images
Arranging Layers , Saving Images in Photoshop Format

Unit III

Blending and Compositing, Defringing
Opacity and Blending Modes , Feathering Edges , Image Modes· Mode Characteristics
Grayscale and Bitmap Modes , Color Modes Color and Painting
Selecting Colors, Painting Tools , The Clone Stamp Tool

Unit IV

Text, Layer Effects, and Filters, Type Layers
Layer Effects , Filters
Merging and Flattening Layers , Adjusting Images
Brightness/Contrast , Levels Adjustment Layers, Hue/Saturation

Animation techniques-II

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I

Flash Editor, Panels, Timeline, Tools, Saving & Uploading Files
More Tools, Utilities, Grouping, Arranging
Graphic Symbols, Alignment, Libraries, Layers

Unit II

Keyframes, Frame by Frame Animation, Onion Skins, Frame Rate
Motion Tweening, Stop Action, Rotate & Spin, Info Panel, Movie Explorer, Shape Tweening Button Symbols, Action, Adding Sound to Buttons, Publishing and Exporting

Unit III

Introduction to Adobe After Effects
Compositions
Masking and Transparency

Unit IV

Animating Layers
Video and Audio Effects
Managing Layer
Rendering and getting output

Paper-22 (Fifth Semester)
Non-linier editing

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit I
Non-linear editing: meaning and process
Hardware requirements for NLE
Connecting editing equipment
Creating time line

Unit II
Editing tools
Process of equalization
Applying effects to sound
Introduction to Sound Forge

Unit III
Cut, fade, mix and wipe
Main tools of editing - Selection, Range Select, Rolling, Edit, Razor, Hand Tool, Cross fade, In point, Zoom tools etc.
Introduction to Adobe Premiere

Unit IV
Audio Mixing
Video transitions
Titling and graphics
Rendering and authoring

Paper-23 (Fifth Semester)
Data communication and computer network

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit – I

Communication, Signal and Data, Transmission,
Data Communication terminologies: Concept of Channel, Baud, Bandwidth (Hz, KHz, and MHz); Data transfer rate (bps, kbps, mbps, gbps, tbps), Bit rate, Baud Rate
Simplex, Half Duplex and Full Duplex Modes of Transmission

Unit – II

Modulation: Amplitude Modulation, Frequency Modulation and Phase Modulation.
Transmission Media: guided and unguided, twisted Pair cable, coaxial cable, FOC (Fiber Optics Cable) Microwave Transmission: Terrestrial, Satellite

Unit-III

OSI Model and different Layers
Telecom technologies: GSM, CDMA, WLL, 3G, SMS
Network Security Concepts: Firewall, Cookies, Hackers and Crackers;

Unit – IV

Hub, Routers, Switches, Modems,
Network, Network Topology, LAN, WAN, MAN. Applications of LAN
Switching Techniques, Circuit Switching, Packet Switching
Internet, TCP-IP, Applications of Internet, email, Telnet, FTP, WWW

Paper-24 (Fifth Semester)
ASP.net

Time: 3 Hrs.

Marks: 50

There will be a practical examination in this paper along with semester examination. External examiner will evaluate the proficiency of the students in the software. Examiner will give on-the-spot assignments/tasks to the students.

Unit – I

Introduction to ASP.net
Installation and creating ASP.net page
ASP.net server controls
Event handlers

Unit – II

Planning and designing a website
Maintaining view state
Textbox control
Button control

Unit – III

Data binding
Arraylist objects
Hashtable objects
Sorted list object

Unit – IV

Connecting database
Navigation controls
HTML server controls reference

Sound Forge & Adobe Premiere

Time: 3 Hrs.

Marks: 80

There will be only practical examination in this paper. External examiner will evaluate the proficiency of the students in the software. Examiner will give on-the-spot assignments/tasks to the students.

Unit – I

Workspace of Sound Forge
Creating timeline: importing, extracting audio file
Basic tools of editing and shortcut commands
Recording process: recording attributes

Unit – II

Process of equalization and normalization
Fade, volume, silence,
Applying various effects
ACID looping tools, getting output

Unit -III

Workspace of Adobe Premiere
Creating timeline: importing, capturing video file
Basic tools of editing and shortcut commands

Unit – IV

Applying various effects
Cut, fade, mix and wipe
Getting output

Paper-26 (Sixth Semester)
Web management

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit-I

Web project management: website planning , identifying the main features, defining sitemap,

Designing a webpage

Choosing a web server for hosting

Searching a domain name

Unit –II

Web-content management: types – offline processing, online processing and hybrid systems ,

Features of programming languages

Database and Metadata,

Configuration settings

Unit-III

Web-Hosting management: account manager, hosting ftp, hosting web statistics, hosting database

Web publishing

Promotion and maintenance of website

Unit-IV

Web service management: web services and web applications

Query processing

Optimization component

Profiling and statistics component

Paper-27 (Sixth Semester)
Content writing

Time: 3 Hrs.
Marks: 80

Question paper for each theory paper will have two questions from each of the four units. Student will be required to answer any one question from each unit. Unit V of the question paper will have six questions out of which the student will be required to answer any four questions. Each unit will carry equal marks.

Students have the option to answer some questions in Hindi and others in English but within an answer to a question the language should be pure (not bilingual) and correct.

Unit-I

Writing for Power Point Presentation
Breaking content into small units
Making bullet points
Scheming a sequence
Using colours, images, audio, video text

Unit –II

Writing for audio and video interactive programme
Creating user interface
Writing voice overs

Unit-III

Writing for computer aided courseware
Process of courseware writing: from idea to final output
Using hyperlinks and visual aids

Unit-IV

Content writing for dynamic website
Feature of writing for web
Inserting hyperlinks
Researching online resources
Issues of copyright

Flash

Time: 3 Hrs.
Marks: 80

There will be only practical examination in this paper. External examiner will evaluate the proficiency of the students in the software. Examiner will give on-the-spot assignments/tasks to the students.

Unit I

Workspace of Flash
Creating timeline
Main editing tools
Saving & uploading files
Utilities, grouping, arranging

Unit II

Graphic symbols
Alignment
Libraries
Layers

Unit III

Keyframes, frame rate
Frame by frame animation
Onion skins
Motion twining
Stop action
Rotate and spin

Unit IV

Info Panel
Movie explorer
Shape tweening
Button Symbols
Action and adding sound to buttons
Publishing and exporting

Project

160 (Production) + 40 Viva

Concept

The main idea behind this project is to give an opportunity to the students to work on a project from concept to final output themselves and to ensure the practical aspect during the training. This project is supposed to ensure skill based training in the campus.

Introduction

Each student shall be supposed to complete a project during last semester. This project will be related to the content taught in other modules. It can be in the format mentioned in the syllabus. Each student will be allowed to select only one media.

Process

Each student will be assigned an idea to develop into a small project. Students are supposed to complete their project work under the supervision of the concerned teacher. S/he will propose a subject/idea with all production planning to the teacher and start working on that only after due approval of the supervisor.

Program formats:

Developing static web site
Developing interactive courseware
Preparing audio-video presentation (in Flash)
Making 2D animation film

Evaluation

In the end of the year external expert will evaluate the project. The producer of the project is to provide the synopsis to the experts in written. The synopsis will have all details about the concept/idea, treatment, planning, production process, script, and name of the team members. The production will be screened before the expert to be nominated by the Director of the Institute. There will be a viva examination also by the external expert.