FACULTY OF VISUAL ARTS AND PERFORMING ARTS

SYLLABUS

FOR

BACHELOR OF VOCATION (B.Voc.)
VISUAL MEDIA & FILM MAKING
(Semester: I – IV)

Session: 2019–20

_____________________________________________________________________________________________

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GURU NANAK DEV UNIVERSITY,
AMRITSAR.
# BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER SYSTEM

## SEMESTER – I:

<table>
<thead>
<tr>
<th>Paper No.</th>
<th>Paper</th>
<th>Theory</th>
<th>Practical</th>
<th>M. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper – I</td>
<td>History of Cinema</td>
<td>75</td>
<td>25</td>
<td>100</td>
</tr>
<tr>
<td>Paper – II</td>
<td>Basics of Photography</td>
<td>75</td>
<td>25</td>
<td>100</td>
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<tr>
<td>Paper – III</td>
<td>Basics of Film Production</td>
<td>75</td>
<td>25</td>
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<tr>
<td>Paper – IV</td>
<td>Elements of Films</td>
<td>75</td>
<td>25</td>
<td>100</td>
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<tr>
<td>Paper – V</td>
<td>Communication Skills in English – I</td>
<td>50</td>
<td>-</td>
<td>50</td>
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<tr>
<td>Paper – VI</td>
<td>Punjabi (Compulsory) / <strong>ਪੰਜਾਬੀ ਪੰਜਾਬੀ /</strong> Punjab History &amp; Culture (From Earliest Times to C 320)</td>
<td>50</td>
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## SEMESTER – II:

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<tr>
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<th>Practical</th>
<th>M. Marks</th>
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<tbody>
<tr>
<td>Paper – I</td>
<td>History of Visual Arts</td>
<td>75</td>
<td>25</td>
<td>100</td>
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<tr>
<td>Paper – II</td>
<td>Writing for Visual Media</td>
<td>75</td>
<td>25</td>
<td>100</td>
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<td>Paper – III</td>
<td>Camera Light and Sound</td>
<td>75</td>
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<td>Paper – IV</td>
<td>Film Appreciation</td>
<td>75</td>
<td>25</td>
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<td>Paper – V</td>
<td>Communication Skills in English – II (Th.35+Pr.15)</td>
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<td>Paper – VI</td>
<td>Punjabi (Compulsory) / **ਪੰਜਾਬੀ ਪੰਜਾਬੀ / ** Punjab History &amp; Culture (C 320 to 1000 B.C.)</td>
<td>50</td>
<td>-</td>
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**Note:** * Marks of this Paper will not be included in the Total Marks.

** (Special Paper in lieu of Punjabi Compulsory)

(For those students who are not domicile of Punjab)
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER SYSTEM

SEMESTER – III:

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<tr>
<td>Paper – I</td>
<td>Basics of Cinematography-I</td>
<td>75</td>
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<td>Paper – II</td>
<td>Film Studies</td>
<td>75</td>
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<tr>
<td>Paper – III</td>
<td>Television Production - Idea to Screen</td>
<td>75</td>
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<td>Paper – IV</td>
<td>Understanding TV formats &amp; Genres</td>
<td>75</td>
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SEMESTER – IV:

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<tr>
<td>Paper – I</td>
<td>Importance of Sound and Sound SFX</td>
<td>75</td>
<td>25</td>
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<tr>
<td>Paper – II</td>
<td>Basics of Cinematography-II</td>
<td>75</td>
<td>25</td>
<td>100</td>
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<td>Paper – III</td>
<td>Documentary and Advertisement Films</td>
<td>75</td>
<td>25</td>
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<tr>
<td>Paper – IV</td>
<td>Concepts of Story Boarding</td>
<td>75</td>
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<tr>
<td>Paper – V</td>
<td>*Environmental Studies (Compulsory)</td>
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<td></td>
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<td><strong>400</strong></td>
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</tbody>
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* Marks of EVS will not be included in the Total Marks
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

Paper–I: History of Cinema
(Theory)

Time: 3 Hours  Max. Marks: 75

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four
Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are
required to attempt five questions, selecting at least one question from each Section. The fifth
question may be attempted from any Section.

SECTION – A
Development and Origin of Cinema. Contribution of Lumiere Brothers, Melies, Griffith, Charles
Chaplin and Cecil B. Demille 5 C’s of Cinematography

SECTION – B
Origin of Indian Cinema, Evolution of Indian Cinema, Referring to Pioneers like Phalke,
Ardershir Irani, Sohrab Modi, Guru Dutt, Raj Kapoor, Bimal Roy and Satyajit Ray. Coming up
of talkies, the era of Superstars, multistarrers, Angry Young Man, Rise of Multiplexes.

SECTION – C
Modern Cinema: Meaning, Importance and its relevance New Wave Cinema: Concept, Origin
and Growth

SECTION – D
Art and Parallel Cinema Emergence of New Cinema till now

Books Recommended:

BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

Paper–I: History of Cinema
(Practical)

Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

Making a presentation on pioneer of World or Indian Cinema
Make a 2 min programme on a director.
Paper-II: Basics of Photography  
(Theory)

Time: 3 Hours  
Max. Marks: 75

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A
Development of Photography over the years: Brief History of Photography, early photography methods, switch from film to digital, difference between film and digital photography, formats of images in digital.

SECTION – B

SECTION – C
Lighting - Theory & practice: Sources of Lighting, 2 point lighting, 3 point lighting, creating contrast, outdoor natural lighting, related accessories for lighting.

SECTION – D
Post production of Photos, Digital Image Editing – Photoshop: Processing of Raw images, Introduction to Adobe Photoshop and image ready software, how to enhance the photo digitally.

Recommended books:
1. The Art of Photography; by Bruce Barnbaum.
2. Creative Nature & Outdoor Photography; Brenda Tharp.
3. Chasing the Light by Ibarionex Perello.
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

Paper-II: Basics of Photography
(Practical)  
Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

- Photo Exhibition
- Practice of Camera Handling
- Photo Collage Making
- Caricature Making
- Photo features
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

Paper-III: Basics of Film Production
(Theory)

Time: 3 Hours
Max. Marks: 75

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A
Process of Film Production: Pre-Production, Production and Post-Production

SECTION – B
Pre-Production: Programme Proposal, Budgeting, Casting, Location Survey, Indoor and Outdoor Shooting, Shooting Script, Pre-Production Meetings

SECTION – C
Production: Understanding various concepts of Production, Single Camera and Multi Camera Shooting, Camera Crew (Director, Producer, Production Manager, Floor Manager, Art Director, Makeup Man, Dress Designer, Choreographer) and other technical staff, Understanding the use of EDL, Continuity, Log Sheets etc

SECTION – D
Post-Production: Editing- Meaning, Need, Types (Online, Offline, Linear & Non-linear, Transitional Devices (Cut, Fade, Dissolve, Mix, Superimposition, Wipe & Montage) Special Effects & Narration: Audio Special Effects, Video Special Effects, Recording Special Effects, Sound Mixing: Basics, Dubbing, Studio Mixing

Suggested Books:
1. Production Management for Film & Video by Richard Gates
2. Video: Digital Communication & Production by Jim Stinson
3. Television Production by Gerald Millerson
4. Production Algebra: Handbook of Production Assistant by Mark Adler
Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

Each student will prepare a 5-10 minutes film on any subject or theme keeping in mind the process and technicalities of film making. The student must also submit the copy of script and the budget along with film CD.
Paper-IV: Elements of Films

Time: 3 Hours

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A
Film Production Concepts, From Idea to Screen.

SECTION – B
Screen Play Writing, Role of Costumes and Set designing, Make up. Role of Director and Producer, Choreographer, Lyricist, Music Director, Art Director

SECTION – C
Finance and Budgeting, Importance of Survey, Role of Location, Characterization, Working with still, television and Film Camera, Mise-en-scene-Realism, the power of mise-en-scene, aspects of mise-en-scene. space and time, narrative functions of mise-en-scene. Cinematographer properties-the photographic image, framing, duration of the image, montage and long take.

SECTION – D
Editing, Dubbing, Film Distribution, Marketing, Exhibition, Film Promotion and Publicity, Multiplex Culture

Media Appreciation: Film Review, Film Criticism, Film Journalism

Books Recommended:
Paper-IV: Elements of Films
(Practical)  

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

Each student will prepare a script of a film on any subject or theme along with the details of Location, Cast and Budget of the Film.
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

PAPER–V: COMMUNICATION SKILLS IN ENGLISH – I

Time: 3 Hours

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

The syllabus is divided in four sections as mentioned below:

Section–A
Reading Skills: Reading Tactics and strategies; Reading purposes–kinds of purposes and associated comprehension; Reading for direct meanings.

Section–B
Reading for understanding concepts, details, coherence, logical progression and meanings of phrases/expressions.

Activities:
• Comprehension questions in multiple choice format
• Short comprehension questions based on content and development of ideas

Section–C
Writing Skills: Guidelines for effective writing; writing styles for application, personal letter, official/business letter.

Activities:
• Formatting personal and business letters.
• Organising the details in a sequential order

Section–D
Resume, memo, notices etc.; outline and revision.

Activities:
• Converting a biographical note into a sequenced resume or vice-versa
• Ordering and sub-dividing the contents while making notes.
• Writing notices for circulation/boards

Recommended Books:
• *Oxford Guide to Effective Writing and Speaking* by John Seely.
• *English Grammar in Use* (Fourth Edition) by Raymond Murphy, CUP
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

PAPER–VI: पेपर (खण्डभाग)

भाग : 3 पृष्ठ
लघु भाषा : 50
पाठ-पृष्ठ आकार पाठ-पृष्ठवर्ग

मेवाल-दे

अजब अस्तम (विविध दृष्टि),
(संग. वृत्तिक तीत अन्दे दलितभाषा मिश्र मंः)
चाहु ततो देव पुलिशिंगमिथी, अभिलुमसत।
(भूमि मातृ दिशिकाथा, मित्र)

मेवाल-धी

हिस्टोग्राम जवां (हिस्टोग्राम सेहं-मंजूरिणी)
मंथ. म.म.भरेख, फागांम भारती पुस्तक, भिकषण। (केव 1 ते 6)
(रिहिप्य ते मन, म्हंहत-मैली)

मेवाल-धी

(१) पेपर चतुरा
(अ) पेपर पहुँच वे पुस्तक ते हुए।

मेवाल-डी

(२) पेपरधी विद्युत : हुएपतल भागा, हुएपतल मध्य ते विषीण, मंथ, विज्ञान, पुस्त-पुष्प।
(अ) भागा टैलवीणां : भागा मध्य टावणां कूप, भागा पहुँच उत्त-उत्तम, पेपरधी 
हुएपतल ते पहेकाळ विद्युत।

अंगदौं अते गतिकाल छटी उताधिकां

1. पुस्तक पैंट ते चम अंगा खेले। तु अंगा दिखाले ते पुस्तक पैंट मारे।
2. हिस्टोग्रामी ते बैंच पैंट पुस्तक चढ़े उठ। तु अंगा दिखाले दिस शुद्ध पुस्तक सदर हे।
3. वाचां पृष्ठ ते घटकाल अंग उठ।
4. पेपर मैंट चम पाक सेवत चढ़े तु पुस्तक ती सेंड अंगे रंग डे रंग चम 
शुद्ध-पृष्ठ दिस वच मध्य दे।
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – I

PAPER–VI:  ਬ੍ਰਹਿਸਪਤੀ ਪੀਠਾਧੀ (In lieu of Compulsory Punjabi)

ਸਮਾਨ : 3 ਪੇਟਿਆਂ

ਧਾਰਨਾ

ਮੈਵਾਦ਼-ਦੇ

ਪੰਜਾਂ, ਛਪਤਾ, ਬੂਮਾਂ, ਪੇਠ ਸਿੱਖ ਦੇਖੇ ਕਲੋਂ ਅਨੇ ਪੇਠ ਹਿੱਚ ਪੇਠ
ਦੇਖੇ ਕਲੋਂ ਅਨੇ ਅਬਾਦਾਂ (ਬ੍ਰਹਿਸਪਤੀ ਨਾਟ-ਪਹਾਣ)
ਰਾਜਾਦਾਤ (ਸੀਨੀ, ਟੀਮੀ, ਅਧਿਕਾਰ) : ਪੰਜਾਂ ਅਨੇ ਕਲੋਂ

ਮੈਵਾਦ਼-ਚੌਣਾ

ਪ੍ਰਸ਼ਨਿਆਂ ਸਵਾਗਤ-ਅਧਿਕਾਰ :  ਬ੍ਰਹਿਸਪਤੀ ਨਾਟ-ਪਹਾਣ
(ਸਵਾਗਤ ਮਹਤਾਕ, ਮੈਵਾਦ਼ ਮਹਤਾਕ, ਭਿਰਮੂਦ ਮਹਤਾਕ, ਪ੍ਰਾਚੀਨ ਮਹਤਾਕ, ਅਕੌਂਟਾਂ ਅਨੇ ਪਹਾਣ)

ਮੈਵਾਦ਼-ਮੀਹਾ

ਹਿੰਦੂ ਕਲਕਤਾ ਦੀ ਪ੍ਰਵਾਸ਼ੀ ਸਮਾਨਿਆਂ : ਬਾਬਾਕ, ਪੂਸ਼ਲ, ਕਲਿਸਟਰੂ-ਪੁੱਛ, ਪੰਜਾਂ ਅਨੇ ਤੇਕ ਪ੍ਰਸ਼ਨਾਂ ਭਾਗ ਤਾਲ
ਮੈਵਾਦ਼-ਦੋਹਾਰ

ਉਹਦੇ ਦੇ ਮੂਂਦ ਦੀਲਾਂ ਦੇ ਲਾਂ, ਪਾਲਾ ਭਾਵਿਕਾਂ ਦੇ ਲਾਂ, ਕੁਂਠ ਦੇ ਲਾਂ, ਮੱਥ ਦੇ ਮੱਥ ਦੇ ਉਹ ਵਿਦਿਆਦੀ ਸਮਾਨਾਂ ਹਿੱਚ

ਭਵ-ਚੌਣਾ ਅਦੇ ਧਿਰਦੀਆਂ ਫਲੀ ਉਪਦੀਆਂ

1. ਪੂਸ਼ਲ ਪੌਦਾ ਦੇ ਤਨ ਕਲੇ ਦੇਖੋ। ਉਹ ਕਲੇ ਹਿੱਚੇ ਦੇ ਪੂਸ਼ਲ ਪੁੱਛੇ ਨਾਟਾਓ।
2. ਹੀ ਅਧਿਕਾਰੀ ਦੇ ਤੇਂਤਾ ਪੁਸ਼ਲ ਪਰਸੂਰੇ ਉਠਾ। ਉਹ ਖੰਝਾ ਹਿੱਚੇ ਹਿੱਚ ਪੂਸ਼ਲ ਲਪੜੀ ਹੈ।
ਪੰਜਾਂ ਪੂਸ਼ਲ ਕਿਸੇ ਦੀ ਖੰਝਾ ਹਿੱਚ ਬੀਡੀ ਨਾ ਮਹਤਾਕ ਹੈ।
3. ਬਲੇਕੇ ਪੂਸ਼ਲ ਦੇ ਬਢਾਣ ਆਂਦੂ ਉਠਾ।
4. ਹੋਣ ਮੌਤ ਵਾਲਿਆ ਕਲੋਂ ਸੇਵਾ ਕਰਨੇ ਅਨੇ ਪੂਸ਼ਲ ਦੀ ਤੇਂਤਾ ਦੇਖ ਦੇਖ ਦੇ ਤੇਂਤਾ ਵਾਲਿਆ ਦੋਹਣ ਹਿੱਚ ਵਾਲ ਮਹਤਾਕ ਹੈ।
Instructions for the Paper Setters:
Eight questions of equal marks (specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section–A
1. Physical features of the Punjab and its impact on history.
2. Sources of the ancient history of Punjab

Section–B
3. Harappan Civilization: Town planning; social, economic and religious life of the Indus Valley People.

Section–C
5. Social, Religious and Economic life during Rig Vedic Age.

Section–D
7. Teachings and impact of Buddhism
8. Jainism in the Punjab

Suggested Readings:
Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section – A

Meaning of Drug Abuse:

Section – B

Consequences of Drug Abuse for:
- Family: Violence.
- Society: Crime.
- Nation: Law and Order problem.

Section – C

Management of Drug Abuse:
Medical Management: Medication for treatment and to reduce withdrawal effects.

Section – D

Psychiatric Management: Counselling, Behavioural and Cognitive therapy.
Social Management: Family, Group therapy and Environmental Intervention.
References:
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

Paper-I: History of Visual Arts

Time: 3 Hours
Max. Marks: 75

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A

SECTION – B
Photography: History of Photography, Evolution of specific photographic trends and styles. Identify major figures in photography and describe their contributions, Describe photography’s impact on 19th and 20th century societies and on other visual arts.

SECTION – C
Television: Origin of Television, Development of Television in India. Major TV Channels: BBC, CNN, Star Network, ZEE Network, Sony. Cable TV, Satellite TV.

SECTION – D
Paper-I: History of Visual Arts
(Practical)  
Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

- Making a presentation on pioneer of Indian painting artist
- Making a presentation on major TV Channels.
- Make a 2 min programme on a director.
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

Paper-II: Writing for Visuals
(Theory)

Time: 3 Hours Max. Marks: 75

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A
Preparing to Think Visually: Diving In to the Screenwriter’s Mind, Approaching Screenwriting as a Craft, Breaking Down the Elements of a Story, Unpacking Your Idea

SECTION – B
Structure of Story & Screenplay: Plot Part I: Beginnings, Plot Part II: Middles, Plot Part III: Endings

SECTION – C
Dynamics of Characterization: Character Building, Constructing Dynamic Dialogues, Non – traditional Film

SECTION – D
Finalizing the Script: Maintaining an Audience’s Trust, Turning Your Story into a Script, Take Two: Rewriting Your Script, Adaptation and Collaboration: Two Alternate Ways to Work

Recommended Books:

1. Screen Adaptation: A Scriptwriting Handbook by Kenneth Portnoy
2. Screenplay: The Foundations Of Screenwriting By Syd Field
3. The Screenwriter's Bible By David Trottier
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

Paper-II: Writing for Visuals
(Practical) Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

- Writing Film Proposals; Writing Script for Short Films; Presentation on script writing.
- Write a Screenplay of a short movie.
Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A
Camera:
(a) Video Camera, Types of Video Camera
(b) Different types of shots, camera movements, Tilt, Track, Crane movements etc
(c) Lenses: Different types of lenses and their application

SECTION – B
Lighting:
(a) Lights and lighting
(b) Basics of lighting, Techniques
(c) Different types of lights used in videography
(d) Use of filters & reflectors

SECTION – C

SECTION – D
Sound:
(a) What is sound? Unit of sound, Voicing
(b) Types of microphones, use of audio mixers for recording & editing of sound

Recommended Books:
1. Single Camera Video: Michael H. Adams
2. Modern Radio Production: Carl Hansman
3. Broadcast Technology: Srivastava
Paper-III: Camera, Light and Sound  
(Practical)  
Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

Camera:
(a) Focuses on Cameras & Recorders controls
(b) Shooting techniques
(c) Basic theory of Video recording

Lights:
(a) Providing theory, rules & principles of quality lighting
(b) Shows the creative use of back-lighting
(c) Proper placement of lights & lighting equipment for principle subjects and sets both on location and in the studio.

Sound:
(a) Demonstration of various pieces of audio recording equipment
(b) Creative use of sound effects & music tracts
Paper-IV: Film Appreciation

Time: 3 Hours

Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

SECTION – A
Film as a medium, Characteristics of Good Cinema, importance and its status in present scenario, Film Appreciation, Principles of Film Appreciation.

SECTION – B
How to read a film: Understanding Camera movements, shots and angles, lighting techniques etc. Different aspects of film making: Literary, Dramatic and Cinematic

SECTION – C
Film Appreciation vs Film Criticism, Film Review, Film Journalism; Institutes like FTII, SRFTII.

SECTION – D
Film Censorship: Central Board of Film Certification, Directorate of Film Festivals Role of Censor Board in terms of Film Appreciation

Books Recommended:
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

Paper-IV: Film Appreciation
(Practical)

Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

- Writing Film Reviews, Film Criticism, TV Programmes, Theatre Performances
- Writing Features, Articles on Movie, TV Programme, Celebrity.
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

PAPER–V: COMMUNICATION SKILLS IN ENGLISH – II

Time: 3 Hours

Max. Marks: 50
Theory Marks: 35
Practical Marks: 15

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Course Contents:

SECTION–A
Listening Skills: Barriers to listening; effective listening skills; feedback skills.
Activities: Listening exercises – Listening to conversation, News and TV reports

SECTION–B
Attending telephone calls; note taking and note making.
Activities: Taking notes on a speech/lecture

SECTION–C
Speaking and Conversational Skills: Components of a meaningful and easy conversation; understanding the cue and making appropriate responses; forms of polite speech; asking and providing information on general topics.
Activities: 1) Making conversation and taking turns
2) Oral description or explanation of a common object, situation or concept

SECTION–D
The study of sounds of English,
Stress and Intonation,
Situation based Conversation in English,
Essentials of Spoken English.
Activities: Giving Interviews

PRACTICAL / ORAL TESTING

Marks: 15

Course Contents:-
1. Oral Presentation with/without audio visual aids.
2. Group Discussion.
3. Listening to any recorded or live material and asking oral questions for listening comprehension.

Questions:-
1. Oral Presentation will be of 5 to 10 minutes duration (Topic can be given in advance or it can be student’s own choice). Use of audio visual aids is desirable.
2. Group discussion comprising 8 to 10 students on a familiar topic. Time for each group will be 15 to 20 minutes.

Note: Oral test will be conducted by external examiner with the help of internal examiner.
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

PAPER–VI: धारकी (सहमारी)
भाग : 3 पृष्ठ
कुल भाग : 50
पाठ-चूर्ण अंतर पाठ-प्रमाण

मेरामत-ऐ
अयां अहां (कवाएँ कवाएँ),
(मध: पुहुँड़ ग्रीष्म भिने चित्रभाष भिने मैंू)।
वारूँ तात्क्र टैंट पुत्रीक्षातिमती, अभिषेक्षमत।
(विम-प्रम्हें, पाठ-प्रमाण)

मेरामत-बी
टिडिकरक्षक कार (टिडिकरक्षक हेम-बंडूठू)
मधं. म.म.भंदर,
पैंती परिस्थित पुश्कर, दूरिभाष। (खंड 7 ते 12)
(मधं, लिधं गैली)

मेरामत-बी
(३) मधान-वहाव अंडे मधान उतरा : पाठिकर्तन, भूकंदे मंत्रकर
(४) तात्क्र गृहात।

मेरामत-बी
(३) मधिसं उतरा
(४) भूकंदे अड़े अकांक

अंक-वड़ अंडे वर्तिष्ठताभुल सही उत्तरितियाँ
1. पृथल पृथल ते चाव चाव उरके। उत चावा विछें ले पृथल पृथल भरे।
2. हिलिभाष्यी ले चावल पृथल चावल चढ़ि। उत चावल लैंचर लिच पृथल लाभबी
   ने। पृथल पृथल विसे ही चावल विछर बीजा ना मचवा है।
3. उत्तर पृथल ते चावल अंडे उठ।
4. पृथल मैंट चावल चावल मेवत चावल जि पृथल ची चावल भंडे चावल उंच उंच चाव
   चाव-चावल भिष हत नच मचवा है।
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

PAPER–VI: ਪ੍ਰਸ਼ਨਕਾਰ
(In lieu of Compulsory Punjabi)

ਸਮਾਂ: 3 ਖੋਟੇ
ਖੁਲਾਸ਼: 50

ਵਾਦਾ-ਅੱਖੇ

ਮੈਵਾਰਾਂ-ਚੇ

ਮੰਤਰ ਮੁੱਢਲੀਆਂ: ਪ੍ਰਤੀ ਅੱਖ ਲਗਉ
(ਰੁੱਠ, ਪ੍ਰਤੀਚਾਂ, ਭੰਨਿਆ, ਹੈਮੀਸਟਰ, ਬਿਝਨਾ ਹੈਮੀਸਟਰ, ਸਰਜਨਵਾਦ, ਜੋੜ ਅੱਖ ਹੈਮੀਸਟਰ)

ਮੈਵਾਰਾਂ-ਥੀ

ਪ੍ਰਸ਼ਨਕਾਰ ਲਾਗੇ ਘਟਤਾਂ: ਪ੍ਰਸ਼ਨਕਾਰ ਨਾਲ-ਘਟਤਾ
(੧) ਮਫ਼ਾਜ਼ੀ ਹੱਲ, ਸੇਵਾਕੁਲ ਹੱਲ ਅੱਖ ਹੈਮੀਸਟਰ ਲਾਗਣ (ਪ੍ਰਤੀ ਅੱਖ ਲਗਉ)
(ਅ) ਹੈਮੀਸਟਰ ਹੱਲ, ਪ੍ਰਤੀਚਾਂ ਹੱਲ ਅੱਖ ਗੁਜ਼ਾਰੀ ਹੱਲ (ਪ੍ਰਤੀ ਅੱਖ ਲਗਉ)

ਮੈਵਾਰਾਂ-ਭੀ

ਪ੍ਰਸ਼ਨਕਾਰ ਲਾਗੇ ਬਹੁਤ ਹੱਲ

ਮੈਵਾਰਾਂ-ਟੀ

ਪ੍ਰਸ਼ਨਕਾਰ ਲਾਗੇ ਬਹੁਤ ਹੱਲ

ਮੈਵਾਰਾਂ-ਟੀ

ਪ੍ਰਸ਼ਨਕਾਰ ਲਾਗੇ ਬਹੁਤ ਹੱਲ

ਮੈਵਾਰਾਂ-ਟੀ

ਪ੍ਰਸ਼ਨਕਾਰ ਲਾਗੇ ਬਹੁਤ ਹੱਲ

ਬਲੀ-ਬਲੀ ਅੱਖ ਹੈਮੀਸਟਰ ਕਾਂਦ ਉਤਪ੍ਰਕਾਰ

1. ਪ੍ਰਸ਼ਨਕਾਰ ਲਾਗੇ ਬਲਾਨ ਹੱਲ। ਉਸ ਹੱਲ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ।
2. ਹੈਮੀਸਟਰ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ। ਉਸ ਹੱਲ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ।
3. ਪ੍ਰਤੀਚਾਂ ਹੱਲ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ।
4. ਪ੍ਰਤੀਚਾਂ ਹੱਲ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ।
5. ਪ੍ਰਤੀਚਾਂ ਹੱਲ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ।
6. ਪ੍ਰਤੀਚਾਂ ਹੱਲ ਵਿਚੇ ਦੇ ਪੁਰਾਤੀ ਹੱਲ ਲਗਉ।
BACHELOR OF VOCATION (B.VOC.)  
(VISUAL MEDIA & FILM MAKING) SEMESTER – II

PAPER–VI: Punjab History & Culture (C 320 to 1000 B.C.)  
(Special Paper in lieu of Punjabi compulsory)  
(For those students who are not domicile of Punjab)

Time: 3 Hours  
Max. Marks: 50

Instructions for the Paper Setters:-  
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four  
Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are  
required to attempt five questions, selecting at least one question from each Section. The fifth  
question may be attempted from any Section.

Section–A
1. Alexander’s Invasion and its Impact
2. Punjab under Chandragupta Maurya and Ashoka.

Section–B
3. The Kushans and their Contribution to the Punjab.
4. The Panjab under the Gupta Empire.

Section–C
5. The Punjab under the Vardhana Emperors
6. Socio-cultural History of Punjab from 7th to 1000 A.D.

Section–D
7. Development of languages and Education with Special reference to Taxila
8. Development of Art & Architecture

Suggested Readings:
1. L. M Joshi (Ed), History and Culture of the Punjab, Art-I, Punjabi University, Patiala,  
   1989 (3rd Edition)
2. L.M. Joshi and Fauja Singh (Ed.), History of Punjab, Vol. I, Punjabi University, Patiala,  
   1977.
PAPER – VII: DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION
(COMPELLSORY PAPER)

DRUG ABUSE: MANAGEMENT AND PREVENTION

Time: 3 Hours                               Max. Marks: 50

Instructions for the Paper Setters:-
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section – A

Prevention of Drug abuse:
Role of family: Parent child relationship, Family support, Supervision, Shaping values, Active Scrutiny.

Section – B

School: Counselling, Teacher as role-model. Parent-teacher-Health Professional Coordination, Random testing on students.

Section – C

Controlling Drug Abuse:
Media: Restraint on advertisements of drugs, advertisements on bad effects of drugs, Publicity and media, Campaigns against drug abuse, Educational and awareness program

Section – D

References:

BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – III

Paper-I: Basics of Cinematography-I
(Theory)

Time: 3 Hours

Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A
Power of a Picture: Power of a still picture, Shooting a good Still picture, Composition Framing, Understanding & Use of color, Capturing the Drama, Black and white Photography
Light: Role of light, Lighting techniques, Concept of lighting various planes. Understanding Various types: Tungsten lamps, Cool Lights, HMI, Cyclorama/background lights, Soft Box lights. Use of cutter stand, black cloth and Camera filters, barn doors, use of reflectors, Three point lighting, Ratio lighting: 1:2, 1:3, 1:4, Creating various Background patterns and types, Lighting – Situations, Studio lighting for three cameras set up: Talk Show, Game Show Available day light situations. Shooting for Documentary style, Face lighting. Key, fill, back light, Depth of field Exercise, High key lighting, Low key lighting;

Section B
Lenses: Type of Lenses, Power of Lenses, Understanding the shot requirement and usage of a lens, Idea of perspective: Depth of Field, Depth of focus, Critical understanding of Fixed Lens Vs. Zoom Lens, Focus pulling, 18% grey card, Metering, Color temperature meter;

Section C
Camera Movements: Basic grammar of shots, Primary Camera Movement: Pan, Tilt, Zoom, Character Movement, Usage and need of Track and trolly, Crane, jimy gip, Poll Cam, Managing Movements, Single camera Setup, Multi camera setup, Continuity Exercise, Do’s and don’ts of camera movements, Aesthetics and Psychological Impact of Moving Images, Various parts of Motion picture cameras, Moving Image-Motion Picture, Impact of collective moving Images, Motion Picture Dynamics

Section D

Recommended Books:
1. Camera Terms and Concepts by David Elkins
2. The Camera Assistant by Doug Hart
3. Motion Picture Camera and Lighting Equipment by David Samuelson
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – III

Paper-I: Basics of Cinematography I
(Practical)

Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – III

Paper-II: Film Studies
(Theory)

Time: 3 Hours

Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A
Reading and understanding films; Film genres- Short film, Ad films, Documentaries; Docudramas, Feature films etc.; The frame, composition and design; Use of time and space, Aesthetical and technical aspects of films; Experimental and other types of Cinema.

Section B
Critically examining various types/genres of TV programmes/ads and writing reports as directed by the teacher

Section C
Critically examining films to write film reviews as directed by the teacher

Section D
Preparing clipping files relating to some prominent personalities/ places/ events/happenings during the semester as directed by the teacher; Participation in Debate, Declamation and Quiz programmes

Recommended Books:
1. Bollywood: A History by Mihir Bose
2. The Essential Mystery by John W Hood
3. Understanding Movies, by Louis Giannetti, Prentice Hall
4. Film Magazines
5. Prominent Newspaper and Magazines
Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – III

Paper-III: Television Production - Idea to Screen
(Theory)

Time: 3 Hours                          Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A

Camera:
(a) Video camera, Types of video camera
(b) Different types of shots, camera movements, Tilt, Track, Crane movements etc
(c) Lenses: Different types of lenses and their application

Lighting: Lights and lighting, Basics of lighting, Techniques, Different types of lights used in videography, Use of filters & reflectors

Section B

Selection of the Programme Topic: Developing programme briefs (Objectives, Contents, Duration etc), Researching the topic, Programme Resources, Style and format, structuring the programme, Storyboard and Script Designing, Script Layout.

Section C

Video Recording and Editing: What is editing? Rules of editing, Editing sound: U matic, Beta & VHS, Types of editing, Cut to cut, A/B roll, Assembly and insert editing.

Section D

Media Research Methodology: Writing support materials (Teacher guidance notes), Designing Evaluation Tools and Techniques, Evaluation and field testing of programme, Preview and Analysis of programme.

Suggested Readings:
1. TV Production: Gerald Millerson
2. Media Writing: Samuelson
3. Modern Radio Production: Carl Hansman Donnel.
4. Modern Radio Production: Carl Hansman
5. Broadcast Technology: Srivastava
Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

- Story treatment,
- Scripts
- Storyboards,
- Budgets,
- Floor plan, sets, make-up, costume, jewelry, lights, audio, graphic rehearsals,
- Shooting schedules
- Post-Production editing
Paper-IV: Understanding TV formats & Genres  
(Theory)

Time: 3 Hours  
Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A
Nature of drama in television: Various shows, formats and genres, telecast patterns, audience viewership performance

Section B
Creating Drama for TRPs: Building the story, herd culture existing in current times, breaking the barriers

Section C
Creating niche television programming: Importance of niche content, niche content channels, producing niche content in wake of DTH connections

Section D
Differentiation of infotainment, edutainment, entertainment, lifestyle genres: Differentiation of genres, Specialty of different genres, popularity of genres, content on demand, Study of BBC & Discovery, Study of GECs

Recommended Books:
1. Fundamentals of Film Directing By David K. Irving
2. Writing, Directing, and Producing Documentary Films and Videos By Alan Rosenthal
3. Breaking into Film by Kenna McHugh
4. Before You Shoot : A Guide to Low Budget Film and Video Production by Helen Garvey
Paper-IV: Understanding TV Formats & Genres
(Practical)

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work

Max. Marks: 25
Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A
Basics of Sound: Nature of acoustical waves; concepts of amplitude and frequency wavelength and harmonics. Psycho acoustics: Nature of hearing and perception of sound, including concepts of pitch, loudness, and timbre; the precedence effect; localization in rooms; equal loudness contours; and other mysteries of hearing. Principles of Stereophony
Sound for Film and Video: The sound track – its importance in an AV medium, Different elements of a sound track, Explanation of how sound is put to the film

Section B

Section C

Section D

Recommended Books:
1. Pro Tools 9: Music Production, Recording, Editing and Mixing By Mike Collins
2. Pro Tools All in One Desk Reference For Dummies By Jeff Strong
3. Sound for Film and Television By Tomlinson Holma
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – IV

Paper-I: Importance of Sound and Sound SFX
(Practical)

Max. Marks: 25

Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work.
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – IV

Paper-II: Basics of Cinematography-II
(Theory)

Time: 3 Hours
Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A
Structure of Film and Digital Camera: Understanding the internal structure of camera, perforation loop, pressure plate, Pull down claw, Magazine: Types of magazine, Threading of film. Intermittent Movement, Analysis of Claw motion, Registration pin, Sprocket wheel, Frames per sec, Camera Motors, Slow motion and Fast motion, Reverse Movement, Lens Mount Flange Depth, Magazine Cover/rain cover, Digital Process of Image capturing, Latitude of film Camera format, Latitude of digital format, Shooting Format-16-mm/35mm/70-mm/super.16/I-max/3-D, Convenience of Digital format, The Future of Film Formats;

Section B
Special Effects and Cinematography: Chrome key Concept, Preparation for chrome key, Compositing a digital Picture, Digital matte painting;

Section C
Mood Lighting & Colour Lighting Theory & Practice: Red, Blue, Green, Purple & Orange lights and Treatments for Various Scenes, Colour and Cultural;

Section D
Image formation (Understanding requirements of a Director): Understanding a Screenplay writing, Writing for visuals-STORY BOARDING, Capturing the drama on the camera, How to create packets of emotional experience-Scene, Creation of Drama Ingredients of a Drama; Understanding the needs of Co-creators (Director, Editor, Sound Recordist) Working in team, Team Building, Conflict formation, Conflict Resolution.

Recommended Books:
1. Camera Terms and Concepts by David Elkins
2. The Camera Assistant by Doug Hart
3. Motion Picture Camera and Lighting Equipment by David Samuelso
Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work.
Time: 3 Hours  
Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A
Difference between Actuality and Documentary, Documentary and Feature Film, Evolution, Growth and Present Scenario of Documentary Films.

Section B
Creative treatment of Actuality: Role of Choosing of right subject, importance of research and references.

Section C
Concept and principles of Ad Films. Role of a Copy writer, Process of Ideation and Visualization, Presentation to Client, Shot selection and shot duration.

Section D
Audience Response, Feedback, Impact of Documentary and ad Films

Recommended Books:
1. Harrison, Tony (Ed), (1989), A handbook of Advertising Techniques, Kogan page,
Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work
BACHELOR OF VOCATION (B.VOC.)
(VISUAL MEDIA & FILM MAKING) SEMESTER – IV

Paper-IV: Concepts of Story Boarding
(Theory)

Time: 3 Hours

Max. Marks: 75

Instructions for the Paper Setters:
Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

Section A

Section B
Storyboarding Techniques: · Concept what the story is about, Drawing the components of the storyboard · Indicating motion in the storyboard, Increased reality perspective and lighting

Section C
Composition, Perspective & Lighting: Compositional Elements, line shape contrast, creating meaning within image, Creation of depth through lens choice and linear, atmospheric and size perspective, High Key Lighting, Low key Lighting, 3 point Lighting, Tonal quality of lighting.

Section D
Continuity: Basic Rules of continuity, 180 – Degree rule, screen direction, Cutaways & Cut ins. Story Boards for Animations & Special Effects Films: Structure of animation films, Special effects breakdown, creating the environment. Story Boarding for Commercials and New Media: Structure of commercials, elements of brand building to be implemented, special colour scheme for brands and product

Recommended Books:
1. Exploring Storyboarding By Wendy Tumminello
2. The Art of the Storyboard: Storyboarding for Film, TV, and Animation By John Hart
3. Directing the Story By Francis Gleba
Instructions to the Examiners/Paper setters: Practical will be taken on the basis of Assignments and File Work
Teaching Methodologies
The Core Module Syllabus for Environmental Studies includes class room teaching and field work. The syllabus is divided into 8 Units [Unit-1 to Unit-VII] covering 45 lectures + 5 hours for field work [Unit-VIII]. The first 7 Units will cover 45 lectures which are class room based to enhance knowledge skills and attitude to environment. Unit-VIII comprises of 5 hours field work to be submitted by each candidate to the Teacher in-charge for evaluation latest by 15 December, 2019.

Exam Pattern:
End Semester Examination- 75 Marks
Project Report/Field Study- 25 Marks [based on submitted report]
Total Marks- 100

The structure of the question paper being:

Part-A, Short answer pattern with inbuilt choice – 25 Marks
Attempt any five questions out of seven distributed equally from Unit-1 to Unit-VII. Each question carries 5 marks. Answer to each question should not exceed 2 pages.

Part-B, Essay type with inbuilt choice – 50 Marks
Attempt any five questions out of eight distributed equally from Unit-1 to Unit-VII. Each question carries 10 marks. Answer to each question should not exceed 5 pages.

Project Report / Internal Assessment:

Part-C, Field work – 25 Marks [Field work equal to 5 lecture hours]
The candidate will submit a hand written field work report showing photographs, sketches, observations, perspective of any topic related to Environment or Ecosystem. The exhaustive list for project report/area of study are given just for reference:

1. Visit to a local area to document environmental assets: River / Forest/ Grassland / Hill / Mountain / Water body / Pond / Lake / Solid Waste Disposal / Water Treatment Plant / Wastewater Treatment Facility etc.
2. Visit to a local polluted site – Urban / Rural / Industrial / Agricultural
3. Study of common plants, insects, birds
4. Study of tree in your areas with their botanical names and soil types
5. Study of birds and their nesting habits
6. Study of local pond in terms of wastewater inflow and water quality
7. Study of industrial units in your area. Name of industry, type of industry, Size (Large, Medium or small scale)
8. Study of common disease in the village and basic data from community health centre
9. Adopt any five young plants and photograph its growth
10. Analyze the Total dissolved solids of ground water samples in your area.
11. Study of Particulate Matter (PM_{2.5} or PM_{10}) data from Sameer website. Download from Play store.
12. Perspective on any field on Environmental Studies with secondary data taken from Central Pollution Control Board, State Pollution Control Board, State Science & Technology Council etc.
Unit-I
The multidisciplinary nature of environmental studies
Definition, scope and importance, Need for public awareness

Unit-II
Natural Resources: Renewable and non-renewable resources:
Natural resources and associated problems.
(a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
(b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
(c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
(d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
(e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
(f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

Unit-III
Ecosystems
- Concept of an ecosystem
- Structure and function of an ecosystem
- Producers, consumers and decomposers
- Energy flow in the ecosystem
- Ecological succession
- Food chains, food webs and ecological pyramids
- Introduction, types, characteristic features, structure and function of the following ecosystem: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, ocean estuaries)

Unit-IV
Biodiversity and its conservation
- Introduction – Definition: genetic, species and ecosystem diversity
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical aesthetic and option values
- Biodiversity at global, national and local levels
- India as a mega-diversity nation
- Hot-spots of biodiversity
- Threats to biodiversity: habitat loss, poaching of wildlife, man wildlife conflicts
- Endangered and endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity
Environmental Pollution:
Definition:
- Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear pollution
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution
- Pollution case studies
- Disaster management: floods, earthquake, cyclone and landslides

(8 Lectures)

Social Issues and the Environment
- From unsustainable to sustainable development
- Urban problems and related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement and rehabilitation of people; its problems and concerns. Case studies.
- Environmental ethics: Issues and possible solutions
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- Wasteland reclamation
- Consumerism and waste products
- Environmental Protection Act, 1986
- Air (Prevention and Control of Pollution) Act, 1981
- Water (Prevention and control of Pollution) Act, 1974
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation
- Public awareness

(7 Lectures)

Human Population and the Environment
- Population growth, variation among nations
- Population explosion – Family Welfare Programmes
- Environment and human health
- Human Rights
- Value Education
- HIV / AIDS
- Women and Child Welfare
- Role of Information Technology in Environment and Human Health
- Case Studies

(6 Lectures)
Field Work

- Visit to a local area to document environmental assets River / forest / grassland / hill / mountain
- Visit to a local polluted site – Urban / Rural / Industrial / Agricultural
- Study of common plants, insects, birds
- Study of simple ecosystems-pond, river, hill slopes, etc

(Field work equal to 5 lecture hours)

References:

2. Down to Earth, Centre for Science and Environment, New Delhi.
9. State of India’s Environment 2018 by Centre for Sciences and Environment, New Delhi