

End Semester Examinations - Nov-Dec 2015 Exams

14MT2001 Script Writing and Video Production

Set A

Time : 3 hrs
Total Marks: 100

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1. Write about color harmony and the psychological effect of colors. (20)
OR
 2. Write about the process of developing a story and character in detail. (20)
 3. What are the various camera angles used in video and film? What is their use and the psychological message attached with them? Illustrate with pictures. (20)
OR
 4. Explain in detail the various shots that are used in video production based on the distance of the camera from the subject with neat diagrams. (20)
 5. What is continuity? What are the errors in continuity and their causes? How can they be rectified? Illustrate your answer. (20)
OR
 6. Explain the process of lyric writing. (10)
Explain the steps that will help in composing music. (10)
 7. What are the various precautions that one needs to take on a film set for ensuring safety? (20)
OR
 8. What is insurance? What is the importance of insurance in filming? What are the different aspects that need to be insured while filming? (20)
 9. Explain in detail about the different classes of fire, their causes and the apt fire extinguishers that should be used in each case. (20)

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End Semester Examinations - Nov-Dec 2015 Exams

14MT2002 Digital Compositing

Set B

Time : 3 hrs
Total Marks: 100

1. a)What is Chroma Subsampling? Explain all the types.(8 marks)
b)Explain the working of run-length encoding.(10 marks)
c)What is a grayscale image? How many shades are possible in a grayscale image with a bitdepth of 8?(2 marks)

OR

2. a)What are Look up tables?(4 marks)
b)Draw an RGB cube and name the parts.(4 marks)
c)Explain the various types of spatial filters that function based on convolution.(12 marks)
3. a)Explain the following operators:
i)Mix(2 marks)
ii)Out(2 marks)
iii)Multiply(2 marks)
iv)Gamma(2 marks)
v)Atop(2 marks)
b)Explain the various stages involved in morphing.(6 marks)
c)What are masks? Give applications of mask.(4 marks)

OR

4. a)Define:
i)Garbage matte.(2 marks)
ii)Edge matte.(2 marks)
b)How does one check the solidity of a Matte?(2 marks)
c)What are the limitations of rotoscoping?(2 marks)
d)Explain Keying based on luminance and Colour Difference method of procedural matte extraction.(12 marks)
5. a)Explain the steps involved in tracking an element into a plate.(16 marks)
b)What are temporal artifacts?(2 marks)
c)Explain "Persistence of vision".(2 marks)

OR

6. a)What are the various types of curves available in a curve editor? Mention some features good curve editors are supposed to have.(12 marks)

b) Explain about Node based and Time line based compositing systems.(8 marks)

7. a) Explain about the different types of film formats used in the Industry.(14 marks)

b) Explain 2:3 pull down.(6 marks)

OR

8. a) What is Light Wrapping? Explain the steps involved.(8 marks)

b) Based on what parameters the background colour of a matte is chosen during shooting of plates for compositing.(8 marks)

c) Explain with examples.

i) Reference stand-in(2 marks)

ii) Clean plate(2 marks)

9. a) What are parameters to remember when dealing with Lens Flare and Film Grain during Compositing?(10 marks)

b) Explain the parameters involved in Multi-Pass rendering.(10 marks)

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14MT2003 Audio Engineering

Set A

Time : 3 hrs
Total Marks: 100

1. With a neat diagram explain in detail the anatomy of human ear.

OR

2. List down the various characteristics of sound and explain each one of them in detail.

3. Write short notes on:

- a) Omnidirectional Polar pattern (5)
- b) Bidirectional polar pattern (5)
- c) Gun polar Pattern (5)
- d) Hypercardioid Polar pattern (5)

OR

4. List down the various specifications of microphone and explain them in detail.

5. List down the various specifications of a Power amplifier critical for matching with loudspeaker and explain the same in detail.

OR

6. List down the difference and specific features of different types of Loudspeaker drivers.

7. What are the different features available on a single track of an analog audio mixer? Explain each one of them briefly.

OR

8. Write short notes on:

- a) Limiter (5)
- b) Compressor (5)
- c) Expander (5)
- d) Gate (5)

9. If the sampling frequency is given to be 44.1kHz and bit depth is 16 bit then calculate the hard disk space required to record a stereo digital audio for a time period of 1 minute.

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14MT2005 Graphics and Animation

Set B

Time : 3 hrs
Total Marks: 100

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1. Antialiasing plays a very important role in animation. Justify the topic with special reference to the types of Antialiasing.

OR

2. Define Interpolation

Elaborate the conditions how Interpolators are made available for continuous changes under different conditions?

3. Explain how geometrical transformations can be performed in Java 3D and the types of transformations that can be performed with necessary illustrations and code.

OR

4. Explain the following modelling techniques

a)Voxels

b)Octrees

c)Sweep

d)Tessellation

5. With different cases of how images are represented on to the image plane, explain the concept of how priority algorithms play an important role in characterizing objects

OR

6. Elucidate the properties of reflections and the different types of reflections.

7. Explain in detail the steps involved in applying a texture on to a material and display in a 2D plane and explain the technical component involved in the same.

OR

8. Interactivity plays a crucial role in animation . Explain the following Interactions

a)Keyboard

b)Mouse

c)Touch

9. Explain the strategies for controlling the motion along a curve in detail.

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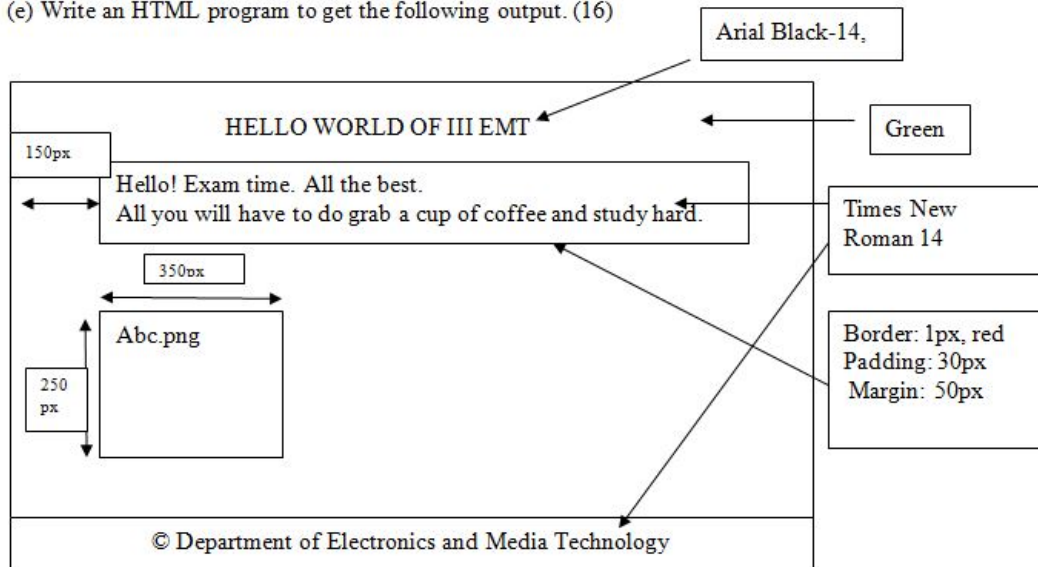
End Semester Examinations - Nov-Dec 2015 Exams

14MT2007 Web Designing

Set B

Time : 3 hrs
Total Marks: 100

- 1.
1. (a) Expand DTD and mention its significance. (4)
- (e) Write an HTML program to get the following output. (16)



OR

2. (a) Explain rules of (X) HTML with pseudo codes wherever necessary. (8)
- (b) Brief about structure of (X) HTML. (8)
- (c) Write a program to create margins and box attributes for a web page. (4)
3. Write a JavaScript program to enter name, gender and age of a person based on which the system should decide and print in the webpage the concession in rail travelling fare.(20)

OR

4. Explain how to import audio and video using HTML5 in a webpage with necessary programs and output diagrams. (20)
5. Write a program for the following:
- a. Random number generation using functions in JavaScript (10)
 - b. Displaying odd numbers from 1 to 100 using Arrays in JavaScript. (10)

OR

6. (a) Explain in detail about JavaScript objects. (10)
- (b) Write a program in JavaScript to calculate volume of cone and cylinder. (10)
7. Expand DOM. Program and create an environment for DOM to enter name, age, reg.no and gender. Using the environment, perform at least 3 major tasks supporting DOM tree concept. (20)

OR

8. Explain string processing in detail with necessary programs using PHP. (20)
9. (a) Write a simple program in ASP to make a timer. (4)

(b) What are the various steps required in installing and setting up wamp server environment for database connectivity with PHP? (10)

(c) Write a simple program of your choice in PHP demonstrating connection with database.(6)

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14MT2008 Advertising

Set A

Time : 3 hrs
Total Marks: 100

1. Define Advertising. Discuss its impact on society.
OR
 2. Discuss the 4 Ps of Marketing
 3. Discuss Creative Strategy in Advertising
OR
 4. Describe Young's creative Process
 5. Explain Target Audience.
OR
 6. Discuss about Advertising as a Promotion Tool for Marketing
 7. Distinguish between Advertising, Publicity and Public Relations
OR
 8. Discuss the functions of an advertising agency
 9. What are the advantages and disadvantages of advertising.
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End Semester Examinations - Nov-Dec 2015 Exams

14MT2010 Digital Photography

Set A

Time : 3 hrs
Total Marks: 100

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1. Explicate the history and evolution of Photography.
OR
 2. List the different types of cameras and explain each in detail.
 3. Explain wide angle lens and tilt shift lens in Photography citing their purpose and place of usage.
OR
 4. Detail on the usage of side lighting and backlighting in Photography.
 5. Explain the functioning of a DSLR camera with diagrammatic representation.
OR
 6. List out the different types of flash and explain each in detail.
 7. Define Photo essay. Elucidate with relevant examples. (10)
Brief on the term Colour temperature and its relation to Photography. (10)
OR
 8. What are the different types of Photography? Elaborate any three types of Photography.
 9. Expatiate the different principles of Photo Composition with necessary diagrams.

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14MT2013 Light and Colors

Set B

Time : 3 hrs
Total Marks: 100

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1. Elucidate the different types of lighting techniques.
OR
 2. a) Explain backlighting and purpose of its usage. (10)
b) Explain low lighting and purpose of its usage. (10)
 3. What is meant by falloff in lighting? Explain inverse square law diagrammatically.
OR
 4. What is meant by three point lighting? Explain in detail using diagrammatic representation.
 5. List the different types of umbrellas and explain each in detail.
OR
 6. a) Make notes on advanced colour theory. (10)
b) Concise on warm and cool colours. (10)
 7. Colours have meaning. Explicate the meaning of green and black.
OR
 8. Explicate the usage of colour in cinema with relevant examples.
 9. Write detailed notes on Colour Temperature.

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End Semester Examinations - Nov-Dec 2015 Exams

14MT2016 Principles Of Cinematography

Set A

Time : 3 hrs
Total Marks: 100

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1. Elucidate the effective use of camera angles in films in relation to Subject size, Subject angle and Camera height. (20)

OR

2. Explain the various types of camera shots and camera angles with diagrammatic representation. (20)
3. Make elaborate notes on the following methods of Cinematography with essential references and diagrams.

a. Cinematic Time and Space (10)

b. Filming the Action (10)

OR

4. Detail the competent usage of action axis in establishing screen direction through cinematography with necessary diagrams. (20)

5. Elucidate the different types of film editing. (20)

OR

6. Explicate the following

a. Cutting and Continuity (10)

b. Cutting and Composition (10)

7. Make detailed notes on the different types of close-ups with examples. (20)

OR

8. Define on the topics in detail

a. Closeup tempo (7)

b. Closeup choice (6)

c. Closeup look (7)

9. Elucidate the different types of balance in composition. (20)

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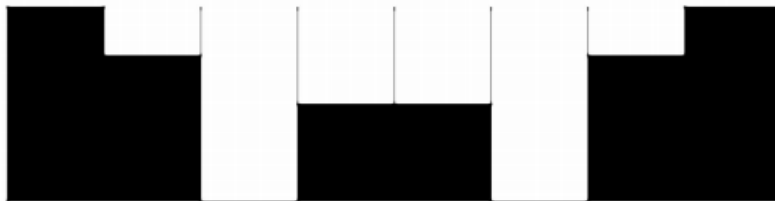
End Semester Examinations - Nov-Dec 2015 Exams

14MT2029 Studio Acoustics

Set A

Time : 3 hrs
Total Marks: 100

1. a) For the below given Schroeder one dimensional diffuser give the highest and the lowest frequency that would be absorbed. Assume the total depth of the wells to be 3m. (6)



- b) Design a Schroeder's one dimensional diffusers with prime number 5, 11, and 17. Draw the elevation of the prime number quadratic residue based well depths and mention the frequency range that would be diffused by the panel if the dimensions of the depths would be in meters. (14)

OR

2. Discuss different types of practical floor floating options. Discuss the effect of uneven floor loading and crown effect.
3. What are neutral rooms and how can they be realized practically.

OR

4. What is meant by a Live room? What are the different construction philosophies that go behind the construction of a Live room? Mention the different materials used in creating a live room. Discuss your answer with suitable examples.
5. Write short notes on:
- a) Acoustic variability (7)
 - b) Room combinations (7)
 - c) Lighting in an audio studio (6)

OR

6. List down and explain the different measurement techniques used for Room response measurement.
7. What were the challenges faced by the studios across the world during transition between monaural recording and stereo recording? Why Electronic correction of a room response is not recommended for a studio?

OR

8. Write sort note on:
- a) Non Environment type of room (7)
 - b) LEDE Room (7)
 - c) Direction dual Acoustics room (6)
9. What are the different types of Crossover in use in a studio? State their differences and advantages upon each other in detail.

