FINAL EXAM
FIRST SEMESTER SESSION 2011/2012

COURSE CODE / NAME : STIV3043 DIGITAL VIDEO TECHNOLOGY
DATE : 3 JANUARY 2012 (TUESDAY)
TIME : 8.30 P.M. – 11.00 P.M. (2 ½ HOURS)
VENUE : DTSO

INSTRUCTIONS :

1. This exam paper contains NINETEEN (19) structured questions in TWELVE (12) printed pages, excluding the cover page.
2. Answer ALL QUESTIONS on the answer sheets provided.
3. You are NOT ALLOWED to remove the exam paper from the examination hall.

MATRIC NO : ____________________________ ( in word ) ____________________________ ( in number )

IDENTIFICATION CARD NO. :

LECTURER :

GROUP : ☐ TABLE NO. : ☐

DO NOT OPEN THIS EXAMINATION PAPER UNTIL INSTRUCTED
STRUCTURE QUESTIONS (100 MARKS)

1. Your film producer wants to create a documentary about Malaysian food festival for his next project. What are the answers that possibly you get based on the following questions?
   a) List THREE (3) objectives of the documentary that relates to the title.
      (3 marks)

   b) Select one objective from question 1a., then draw a mind map that contains at least THREE (3) main points and ONE (1) sub main point that associate to each main point to cluster the idea.
      (4 marks)

   c) State and briefly explain TWO (2) persons who you need to select as your team members in the post production process.
      (4 marks)
2. Draw TWO (2) frame size figures that can distinguish NTSC and PAL broadcast standard. (4 marks)

3. Answer the following questions regarding progressive scanning.

   a) Sketch a figure that can show how a Standard Television (STV) display a frame based on progressive scanning technique. (3 marks)

   b) Briefly elaborate how the progressive scanning display the frame based on the figure that you have sketched in question 3a. (3 marks)
4. Script writers normally divide a story script into three parts i.e. introduction, conflict, and resolution. Draw a figure that can illustrate how these parts are interconnected if a script writer writes a script for a film where the duration is 120 minutes. 

(4 marks)

5. Write a complete single column script for a scene that will show two persons talking about conspiracy to sabotage an opening ceremony of a new bank building.

(6 marks)
6. List **THREE (3)** importance of storyboard in video production. (3 marks)

7. Draw a storyboard that consists **THREE (3)** sketches based on the two column script below.

<table>
<thead>
<tr>
<th>VIDEO</th>
<th>AUDIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>James just stands there as the crowd walk through him. Suddenly, someone knock him from the opposite. That person fall down to the ground. Melody stands up and cleans herself. James curious to know her condition. Melody walks away. James looks at Melody until she disappears.</td>
<td>JAMES I'm so sorry. Let me help you. MELODY Don't worry, I can help myself. JAMES Is it OK? Are you alright? MELODY I'm OK, thanks anyway to your help.</td>
</tr>
</tbody>
</table>

(6 marks)
8. Answer the following questions regarding digital video camera.
   a) State THREE (3) advantages of how a digital video camera helps a Producer during the post-production phase as compared to analog video camera.

   b) The Depth of Field (DoF) in cinematography is referred to the range in which objects in front of the camera lens appear to be in focus while its background is blurred. It is sometime not preferred in video since the background object seems to be out of focus. State THREE (3) ways on how a cameraman can adjust his video camera so that the DoF can be minimized.

   c) State THREE (3) conditions where manual focus is better than autofocus if you want to shoot a video.
9. The figure below shows a drawing on object. Redraw the object in the space provided based on the field-of-view stated.

(8 marks)
10. Write the correct camera movement within the space provided based on the figure below.

(4 marks)

<table>
<thead>
<tr>
<th>Camera Movement:</th>
<th>Camera Movement:</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Diagram 1]</td>
<td>![Diagram 2]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera Movement:</th>
<th>Camera Movement:</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Diagram 3]</td>
<td>![Diagram 4]</td>
</tr>
</tbody>
</table>
11. Draw the **Rule of Third** lines and points on top of the picture below so that it becomes the guideline for the picture composition.  

(4 marks)

12. State **THREE (3)** techniques to reduce the noise captured by microphones during video shooting.  

(3 marks)
13. Draw a figure that can differentiate THREE (3) properties of digital sound. (6 marks)
14. Arrange the camera, key light, host, and the interviewee in the provided space. Use the given symbol to draw the correct arrangement when an interview is happening. You may rotate the symbol to show the correct location.

<table>
<thead>
<tr>
<th>Symbols</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation</td>
<td>Key Light</td>
<td>Host</td>
<td>Interviewee</td>
</tr>
</tbody>
</table>

(4 marks)

15. State THREE (3) importance of using the editing decision list before starting the actual video editing process.

(3 marks)
16. List **THREE (3)** workspaces that can be chosen in Adobe Premier CS3. (3 marks)

17. Briefly describe the function of the following Adobe Premier CS3 components.

   a) Sequence (2 marks)

   b) Bin (2 marks)

   c) History panel (2 marks)
18. Your friend has just completed a video project and plans to upload the video into YouTube website. However, he does not know much about YouTube requirements to upload a video. He gives you FIVE (5) questions and really hopes that you can answer them for him. Provide the correct answer based on the questions asked.

<table>
<thead>
<tr>
<th>Questions</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the best screen size for YouTube video in terms of Width and Height?</td>
<td></td>
</tr>
<tr>
<td>What is the maximum capacity of file size that can be uploaded for a YouTube video?</td>
<td></td>
</tr>
<tr>
<td>What type of file format that can be uploaded into YouTube? Please state THREE (3) files format.</td>
<td></td>
</tr>
<tr>
<td>What is the maximum duration for a video file in each upload?</td>
<td></td>
</tr>
<tr>
<td>What is the playback file format for a YouTube video?</td>
<td></td>
</tr>
</tbody>
</table>

19. List THREE (3) more video sharing websites apart from YouTube that your friend can upload his video.

(3 marks)