

## AE-2 Mid Term Exam Summer 2012

### CLASS PROJECT

1. What mics were used on the class project and where they were placed?

\_\_\_\_\_

2. Did you check drum mic polarity by looking at the waveforms or reversing polarity and listening?

\_\_\_\_\_

3. Were you happy with the drum sound?

\_\_\_\_\_

4. Have you used any of the drum mic techniques outside of class (details?)

\_\_\_\_\_

5. When recording drums, did any of the mic choices or positions surprise you with how well things worked - or didn't - or how well a mic rejected unwanted sounds - or didn't?

\_\_\_\_\_

### SIGNAL FLOW

6. The letters 'I / O' refer to Signal Flow in what way?

I = \_\_\_\_\_ O = \_\_\_\_\_

7. Source and Destination are two other words used to describe I / O. Which one relates to "I" and which relates to "O?"

a.) Source = \_\_\_\_\_

b.) Destination = \_\_\_\_\_

8. I / O for a DAW can refer to? \_\_\_\_\_

\_\_\_\_\_

9. I / O for a console can refer to? \_\_\_\_\_

10. Assuming PT is playing a stereo mix through its Interface outputs - 1 and 2 - what are those output rows labeled on the patchbay?

\_\_\_\_\_

**Hint-1:** The two output rows are identically labeled.

11. PT's outputs are normalled to TWO destinations on the patchbay,

\_\_\_\_\_ and \_\_\_\_\_

**Hint-2:** The two destination rows are NOT identically labeled.

12. What meters indicate that PT is outputting a signal?

\_\_\_\_\_

13. What are the FIRST meters to indicate that the PT signal is getting to the SSL?

\_\_\_\_\_

Assuming the PT signal is getting to the SSL, what are the next steps to be able hear the signal...

14. **Console Status** should be in \_\_\_\_\_ mode

**Channel Strip** details:

15. Un-mute both Channels via the \_\_\_\_\_ button

16. fader (small or large) \_\_\_\_\_

17. Set Fader Position to \_\_\_\_\_

18. PAN each channel \_\_\_\_\_ and \_\_\_\_\_

	<h3>Stereo Mix Buss details</h3> <p>19. _____ Level should be all the way up.</p> <p>20. Put #20 next to monitor un-mute button, labeled _____.</p> <p>21. Put #21 next to Large Monitor Level Control</p> <p>22. Put #22 next to Small Monitor Level Control</p> <p>23. Put #23 next to button that selects MAIN &amp; SMALL monitors.</p> <p>24. Put #24 next to button that routes Talkback to ALL destinations.</p>
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If you didn't want PT to show up on a channel strip...

25. What is a more direct path? \_\_\_\_\_

26. How would you re-route? \_\_\_\_\_

27. What TWO buttons should be pressed to make the Routing work?  
 \_\_\_\_\_ and \_\_\_\_\_

28. Where do the booth mic lines show up in the **STUDIO B** patch bay?  
 \_\_\_\_\_

You're troubleshooting a signal flow problem...

29. The best source is not music but a Low Frequency \_\_\_\_\_

30. The 'Routing Method' for the 'source' above \_\_\_\_\_

31. If you were unsure that a module or a channel problem was due to hardware or operator error you might...  
 \_\_\_\_\_  
 \_\_\_\_\_

32. Without 'tools and chemicals,' how do you help a scratchy switch or pot?

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33. How do you pull patch cords - or any cords - to minimize stress?

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34. Where in the SSL PB is the outboard gear located?

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**In the SSL Patch bay...**

35. Outputs / Sources are on the \_\_\_\_\_ row

36. Inputs / Destinations are on the \_\_\_\_\_ row?

**MICROPHONES**

37. What mic types require phantom power?

38. What two reasons do mics require phantom power?

39. What is the difference between the way a dynamic cardioid mic and a large diaphragm cardioid mic achieve their directional characteristics?

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40. What is the typical directional characteristic of a Ribbon Mic?

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41. List these mics - left to right - from dark to bright:

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

(dynamic, condenser, ribbon,)

42. What other mic preamp options are there in Studio B?

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