Digital Mixer – Basic Knowledge Test

Name: _____ Date: _____

Part 1 – General Knowledge (1–20)

1. What is the main purpose of a digital mixer?

2. What does gain control?

3. What is phantom power (48V) used for?

4. What type of microphone requires phantom power?

5. What is the difference between gain and fader level?

6. What does EQ stand for?

7. What is the purpose of a high-pass filter (HPF)?

8. What does a compressor do?

9. What is a gate used for?

10. What does an aux send do?

11. What is a bus?

12. What is a DCA or VCA?

13. What is a mute group?
_____

14. What is a snapshot?
_____

15. What does it mean to save a preset?
_____

16. What does the master fader control?
_____

17. What is clipping?
_____

18. What unit is audio level measured in?
_____

19. What is the difference between mono and stereo?
_____

20. What is panning?
_____

Part 2 – True / False (Circle one)

21. Phantom power should be on for all microphones. **T / F**

22. A compressor makes loud sounds quieter. **T / F**

23. A gate removes sound below a set level. **T / F**

24. Gain should be set before raising the fader. **T / F**

25. Digital mixers can store settings. **T / F**

26. Clipping sounds clean and musical. **T / F**

27. Aux sends can feed monitor mixes. **T / F**

28. The master fader affects all outputs. **T / F**

29. A scene saves only EQ settings. **T / F**

30. Headphones monitor the control room mix. **T / F**

Part 3 – Practical Knowledge (31–40)

31. What would you check if a microphone has no sound?

32. How do you set up a vocal microphone?

33. What happens if gain is too high?

34. Why is gain staging important?

35. What is latency?

36. What does the SOLO (PFL/AFL) button do?

37. What does routing mean?

38. What is an insert?

39. When would you use a parametric EQ?

40. What does a limiter do?

Part 4 – Signal Flow & Connections (41–50)

41. Write the basic signal path from input to speakers:

42. What cable type is used for microphones?

43. What is a stage box used for?

44. What do AES50, Dante, or AVB do?

45. What is a direct out used for?

46. What is a pre-fader aux send?

47. What is a post-fader aux send?

48. Why link two channels as a stereo pair?

49. What is the purpose of a talkback mic?

50. What is feedback and how do you prevent it?