

2012 Metal/Nonmetal National Mine Rescue Contest

Technician Team Competition – Written Test (BioPak 240R)

ANSWER KEY

Answer	Location	Reference
1. B.	Pg. 3 (False)	iTX (rev 6) - 1 st ; item; MX6 (rev 3) - 6 th item
2. B.	Pg. 3 (False)	iTX (rev 6) - 2 nd item; and MX6 (rev 3) - 7 th item
3. B.	Pg. 3 (False)	iTX (rev 6) - 4 th item; and MX6 (rev 3) - 9 th item states "Silicone compound "not silica, which is sand.
4. B.	Pg. 3 (False)	ITX pg. 3 and MX6 pg. 3
5. B.	Pg. 23 iTX and 26 17 MX6 (False)	Industrial Scientific recommends that a functional ("bump") test be performed on every instrument <u>prior</u> to each days use iTx (rev 6) manual MX6 iBrid Manual (rev 6)
6. B.	Pg. 5 iTX and Pg. 6 MX6 (False)	iTX instruction manual (rev 6) and MX6 iBrid (rev 4)
7. B.	Pg. 27 iTX and Pg. 11 MX6 (False)	Manual (15 minutes), rev 6 for MX6 on pg. 11 of manual rev 3 (10 minutes)
8. E.	Pg. 25 (None of the above)	iTX on pg. 25, rev 6 & slide 30 and MX6 on slide 14 of on-line Calibration Training Tutorial Video
9. E.	Pgs. 8 & 11 (None of the above)	iTX pg. 8 gas reading mode, MX6 manual pg. 11
10. E.	Pg. 30 (Only B. & C.) 2010 MNM National Mine Rescue Contest rule book	iTX (rev 6) manual & slide 19 of on-line Features Training Tutorial Video
11. B.	Pg. 3-3 (False) under no circumstances	MSHA Publication 3027
12. B.	Pg. 3-5 (False) from high to low	MSHA Publication 3027
13. C.	Pg. 3-16 (120 to 2,000)	MSHA Publication 3027
14. C.	Pg. 2-16 (200 to 300 times)	MSHA Publication 3027
15. A.	Pg. 2-55 (12.5 to 74.2%)	MSHA Publication 3027
16. C.	Pg. 2-3 (Four)	MSHA Publication 3027
17. B.	Pg. 2-15 (Complete)	MSHA Publication 3027
18. D.	Pg. 2-21 (0.04 to 0.05%)	MSHA Publication 3027
19. B.	Pg. 2-17 (.02 to .07)	MSHA Publication 3027
20. B.	Pg. 2-7 (increase)	MSHA Publication 3027
21. B.	Pg. 18 (50)	240R Benchman Instruction Manual Rev I
22. B.	Pg. 6 (15°C)	240R Benchman Instruction Manual Rev I
23. B.	Pg. 10 (minimum)	240R Benchman Instruction Manual Rev I
24. B.	Pg. 15 (25 psig)	240R Benchman Instruction Manual Rev I
25. D.	Pg. 15 (once a month)	240R Benchman Instruction Manual Rev I
26. C.	Pg. 7 (200 hours or 6 months)	240R Benchman Instruction Manual Rev I
27. B.	Pg. 11 (Lower)	240R Benchman Instruction Manual Rev I
28. D.	Pg. 13 (0.2-inches)	240R Benchman Instruction Manual Rev I
29. C.	Pg. 17 (20 years)	240R Benchman Instruction Manual Rev I
30. B.	Pg. 18 (Cristo-Lube)	240R Benchman Instruction Manual Rev I