

Mechanical Maintenance Exam No. 1

1. (MM07-EI) When repacking a valve the rings of packing should be oriented so that the packing ends are installed _____.
 - A. opposite of one another
 - B. staggered a minimum of 180 degrees from the last ring installed
 - C. staggered a minimum of 120 degrees from the last ring installed
 - D. staggered a minimum of 90 degrees from the last ring installed

2. (MM10-EI) The ratio of cutting oil to water is _____.
 - A. 20 to 1
 - B. 5 to 1
 - C. 10 to 1
 - D. 7 to 1

3. (MM12-EI) The maximum flow capacity for the Armstrong Model 213 in lbs per hour is _____.
 - A. 3900
 - B. 4400
 - C. 2100
 - D. 2900

4. (MM12-EI) The Armstrong Model 213 steam trap is available in _____ orifice size(s).
 - A. 1/8-inch to 1/4-inch
 - B. No.38 only
 - C. No.38 to 1/4-inch
 - D. 1/4-inch only

5. (MM13-EI) The portable threading machine chip pan should be cleared (cleaned) _____.
 - A. whenever it starts overflowing
 - B. as needed
 - C. after each use
 - D. before each use

6. (MM08-EI) If a greasable bearing is enclosed in a housing, how do know you have enough "new" grease in the bearing?
 - A. When you have pumped the grease gun 10 times
 - B. When the new grease starts flowing out the side of the bearing
 - C. When grease stops flowing from the bearing housing drain hole
 - D. When you have pumped the grease gun five (5) times

7. (MM09-EI) The pedestal grinder in room 304 is manufactured by _____.
- A. Clark
 - B. US Motors
 - C. Baldor
 - D. Black and Decker
8. (MM09-EI) When installing a new grinding wheel, the operator should _____ when starting the grinder for the first time
- A. call the electrician
 - B. stand to one side of the grinder
 - C. stand in front of the grinder
 - D. ask someone else to start the grinder
9. (MM10-EI) The Metal Cutting Band Saw is capable of cutting flat stock up to _____ wide.
- A. 17-inches
 - B. 16-inches
 - C. 19-inches
 - D. 18-inches
10. (MM13-EI) The _____ on the portable threading machine supports all of the threading attachments.
- A. support legs
 - B. carriage
 - C. main body
 - D. storage shelf
11. (UTA-MM07-EI) Total movement on a butterfly valve from fully closed to fully open is approximately _____.
- A. 45 degrees
 - B. 90 degrees
 - C. 180 degrees
 - D. 120 degrees
12. (MM11-EI) The drill press is powered by a _____ 110V AC motor.
- A. 2-horsepower
 - B. 1-horsepower
 - C. 3/4 horsepower
 - D. 1/2 horsepower
13. (MM10-EI) The correct length of the saw blades for the Metal Cutting Band Saw is _____.
- A. 10-feet 10-inches
 - B. 10-feet 1/2-inch
 - C. 10-feet 10 and 1/2-inches
 - D. 10-feet 9 and 1/2-inches

14. (MM09-EI) Any grinding wheel that _____ should NEVER be used.
- A. is not the right grit
 - B. has been dropped
 - C. is not the right color
 - D. is over 8-inches in diameter
15. (MM08-EI) The last step in bearing replacement is to _____.
- A. lubricate the bearing
 - B. clean the area
 - C. test run the equipment
 - D. return the old bearing to the manufacturer to be analyzed

Answer Key

Test # 1, Version 1-8NN

<u>#</u>	<u>Answer</u>	<u>% Credit</u>	<u>Ques#</u>	<u>ABnk #</u>	<u>Category</u>
1	D	100	468 ---	II-G:	MM07 Valves
2	C	100	496 ---	II-J:	MM10 Band Saw
3	B	100	531 ---	II-L:	MM12 Steam Trap
4	C	100	533 ---	II-L:	MM12 Steam Trap
5	B	100	538 ---	II-M:	MM13 Portable Threaders
6	C	100	477 ---	II-H:	MM08 Bearings & Seals
7	D	100	485 ---	II-I:	MM09 Bench Grinder
8	B	100	491 ---	II-I:	MM09 Bench Grinder
9	B	100	502 ---	II-J:	MM10 Band Saw
10	B	100	536 ---	II-M:	MM13 Portable Threaders
11	B	100	466 ---	II-G:	MM07 Valves
12	D	100	518 ---	II-K:	MM11 Drill Press
13	C	100	515 ---	II-J:	MM10 Band Saw
14	B	100	481 ---	II-I:	MM09 Bench Grinder
15	C	100	473 ---	II-H:	MM08 Bearings & Seals