

Exam

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Technician A says that clicker type torque wrenches should be calibrated regularly. Technician B says to store clicker torque wrenches at their minimum setting. Which technician is correct? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

- 2) Which type torque wrench displays the actual torque applied? 2) _____
A) Click
B) Beam
C) Both A and B
D) Neither A nor B

- 3) Which type of screwdriver can also be used as a chisel? 3) _____
A) Flat blade
B) Phillips
C) Both A and B
D) Neither A nor B

- 4) Crowfoot sockets are available in which design? 4) _____
A) Open end wrench
B) Flare nut wrench
C) Both A and B
D) Neither A nor B

- 5) Two technicians are discussing torque wrenches. Technician A says that a torque wrench is capable of tightening a fastener with more torque than a conventional breaker bar or ratchet. Technician B says that a torque wrench should be calibrated regularly for the most accurate results. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

- 6) Which type wrench is used on fasteners that do NOT require a lot of torque? 6) _____
A) Adjustable
B) Box end
C) Open end
D) None of these

- 7) Sockets are used with _____. 7) _____
A) Breaker bars
B) Ratchets
C) Both A and B
D) Neither A nor B

- 8) Which type hammer is designed for automotive service use? 8) _____
A) Claw
B) Ball peen
C) Both A and B
D) Neither A nor B

9) Refer to the picture below. What is the proper name for this tool?

9) _____



- A) Double wrench
- B) Flare nut wrench
- C) 1/2 open wrench
- D) Combination wrench

10) Refer to the picture below. Choose the correct name for the tool.

10) _____



- A) Flare wrench
- B) Combination wrench
- C) End wrench
- D) Socket wrench

11) Which type of Phillips screwdriver has the sharpest tip?

11) _____

- A) #1
- B) #3
- C) #2
- D) None of these

12) When working with hand tools, always _____.

12) _____

- A) Push the wrench, don't pull it toward you
- B) Pull a wrench, don't push a wrench

13) Which tool has a replaceable cutting edge?

13) _____

- A) Side cut pliers
- B) Utility knife
- C) Tin snips
- D) Aviation snips

14) Technician A says that a cheater bar is an easy way to apply more torque to loosen a fastener.

14) _____

Technician B says that a cheater bar may cause a socket to shatter. Which technician is correct?

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B

15) Where is the "peen" of the hammer?

15) _____

- A) The part that connects to the handle
- B) The striking face
- C) The back part opposite the striking face
- D) The handle

16) Proper care of shop equipment includes _____.

16) _____

- A) Tuning up every six months
- B) Keeping equipment clean
- C) Keeping equipment lubricated
- D) Both B and C

- 17) Two technicians are discussing the use of a typical bench/pedestal mounted grinder. Technician A says that the wire brush wheel can be used to clean threads. Technician B says that the grinding stone can be used to clean threads. Which technician is correct? 17) _____
 A) Technician A only B) Technician B only
 C) Both technicians A and B D) Neither technician A nor B
- 18) Technician A says that face shields should always be worn when using a bench grinder. Technician B says that face shields are not required when using bench grinders with built-in shields. Which technician is correct? 18) _____
 A) Technician A only B) Technician B only
 C) Both technicians A and B D) Neither technician A nor B
- 19) Engines are mounted to engine stands _____. 19) _____
 A) Using holes drilled in the engine block B) Using bellhousing bolt holes
 C) Either A or B D) Neither A nor B
- 20) The bearings of shop equipment _____. 20) _____
 A) Should be lubricated regularly if possible
 B) Are often sealed and cannot be lubricated
 C) Either A or B
 D) Neither A nor B
- 21) Technician A says that wood can be used with a vise to protect the surfaces of clamped components. Technician B says that 4- and 6-inch vises are the most commonly used. Which technician is correct? 21) _____
 A) Technician A only B) Technician B only
 C) Both technicians A and B D) Neither technician A nor B
- 22) Using compressed air and an air gun, what is the maximum allowable air pressure? 22) _____
 A) 20 psi B) 40 psi C) 30 psi D) 10 psi
- 23) When removing a bearing and race from a component _____. 23) _____
 A) Cover the work while using a press
 B) A bearing splitter may be needed to remove the inner race
 C) Both A and B
 D) Neither A nor B
- 24) Which type of trouble light is recommended for use in the shop? 24) _____
 A) Incandescent B) Florescent C) LED D) Either B or C
- 25) Technician A changes air compressor oil as part of routine maintenance. Technician B purges water out of air compressor tanks as part of routine maintenance. Which technician is correct? 25) _____
 A) Technician A only B) Technician B only
 C) Both technicians A and B D) Neither technician A nor B
- 26) Which tool is used where there may not be enough room to move a regular wrench? 26) _____
 A) Impact wrench B) Air ratchet
 C) Both A and B D) Neither A nor B

27) When mounting an engine to an engine stand, what grade bolt should be used? 27) _____
A) 4 or 7 B) 3 or 5 C) 5 or 8 D) 1 or 4

28) Technician A says that impact sockets have thicker walls than conventional sockets. Technician B says that impact sockets have a black oxide finish. Which technician is correct? 28) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician A nor B

29) Identify this piece of shop equipment. 29) _____



- A) Portable crane
- B) None of these
- C) Engine stand
- D) Hydraulic press

30) Most portable cranes use what type of pressure for lifting heavy loads? 30) _____
A) Pneumatic B) Hydraulic
C) Both A and B D) Neither A nor B