

# 2023 HARLAN KENTUCKY SAFETY DAYS

## BioPak 240 R Written Exam

Contestants NAME \_\_\_\_\_

Mine Team Name \_\_\_\_\_

1. Pre-Packed Carbon Dioxide scrubbers may only be stored in the apparatus for a maximum period of \_\_\_\_\_.
  - A. 2/years
  - B. 90/days
  - C. 1/year
2. The turn-around maintenance tag should be attached to the apparatus in a prominent \_\_\_\_\_ to show completion of all \_\_\_\_\_ steps.
  - A. location/maintenance
  - B. spot/washing
  - C. handle/decontamination
3. Immediately after completion of BioPak use, \_\_\_\_\_ the used CO2 Scrubber canisters.
  - A. decontaminate
  - B. remove
  - C. store
4. It is acceptable to leave the oxygen cylinder \_\_\_\_\_ after washing and disinfecting has been completed.
  - A. fully/closed
  - B. fully/opened
  - C. in/place
5. \_\_\_\_\_ maintenance procedures should be performed as soon as possible after each use.
  - A. Turn-around
  - B. Bench/testing
  - C. 30/day
6. Use only cleaners and \_\_\_\_\_ that are approved by \_\_\_\_\_.
  - A. disinfectants/NIOSH.
  - B. disinfectants/MSHA.
  - C. disinfectants/Biomarine
7. DO NOT submerge the \_\_\_\_\_ during turn-around maintenance.
  - A. RM/ module
  - B. alarm/module
  - C. remote/gauge

8. Place freeze forms on to a level surface in a freezer for a minimum of \_\_\_\_\_ hour period at a temperature of \_\_\_\_\_ degrees or less.

- A. 10/0
- B. 8/10
- C. 8/0

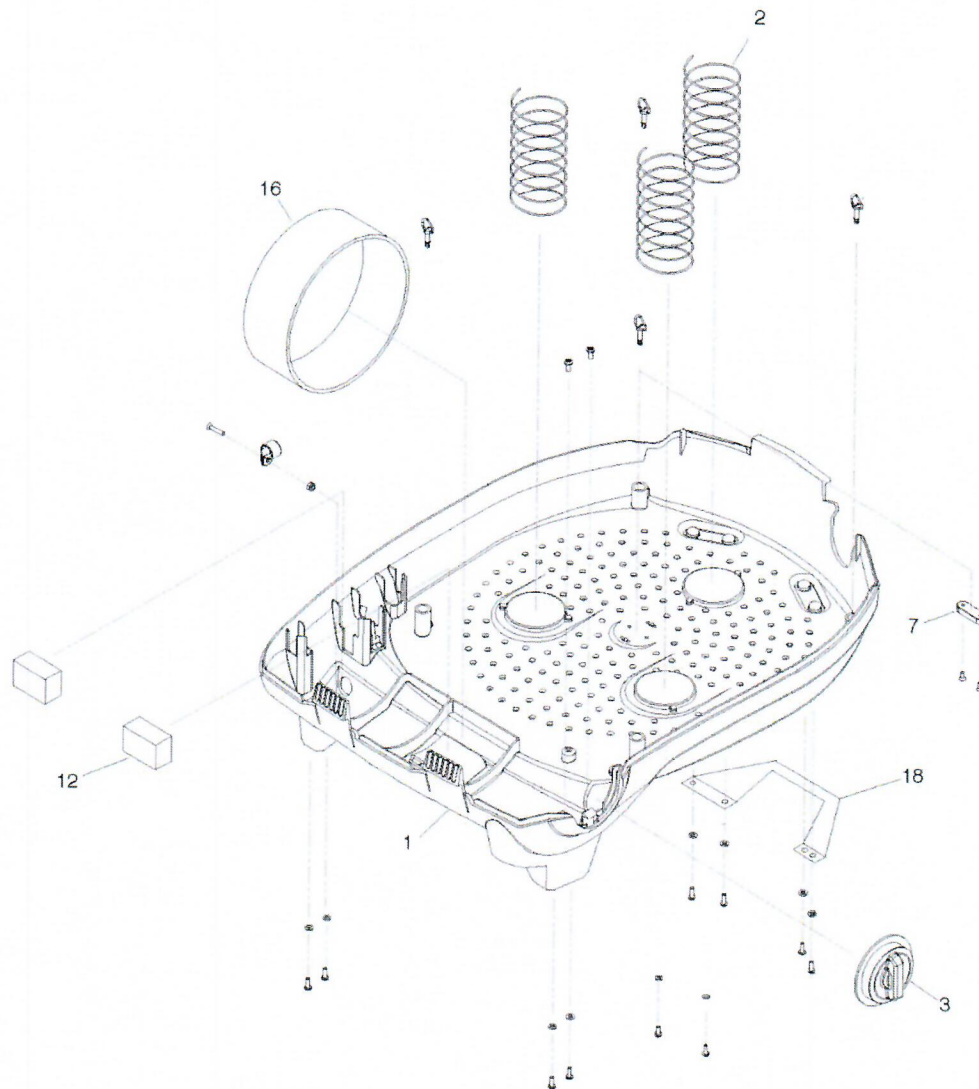
9. Pre-packed Carbon Dioxide Scrubbers \_\_\_\_\_ be stored in an apparatus for a maximum period of 1-year.

- A. may/only
- B. shall/not
- C. will/only

10. Users are not permitted to \_\_\_\_\_ versions of the Orbsorb within the BioPak.

- A. mix
- B. change
- C. insert

## Lower Housing Assembly



| 1<br>Cons. No. | 2<br>Designation           | 1<br>Cons. No. | 2<br>Designation                |
|----------------|----------------------------|----------------|---------------------------------|
| 1              | Lower Housing _____ (11)   | 12             | Latch Foam Pad                  |
| 2              | _____ Springs (12)         | 16             | Oxygen Cylinder Hold-Down Strap |
| 3              | External Oxygen _____ (13) | 18             | _____ Handle (15)               |
| 7              | _____ Spacer (14)          |                |                                 |

11. A. Cover  
B. Plate  
C. Shell

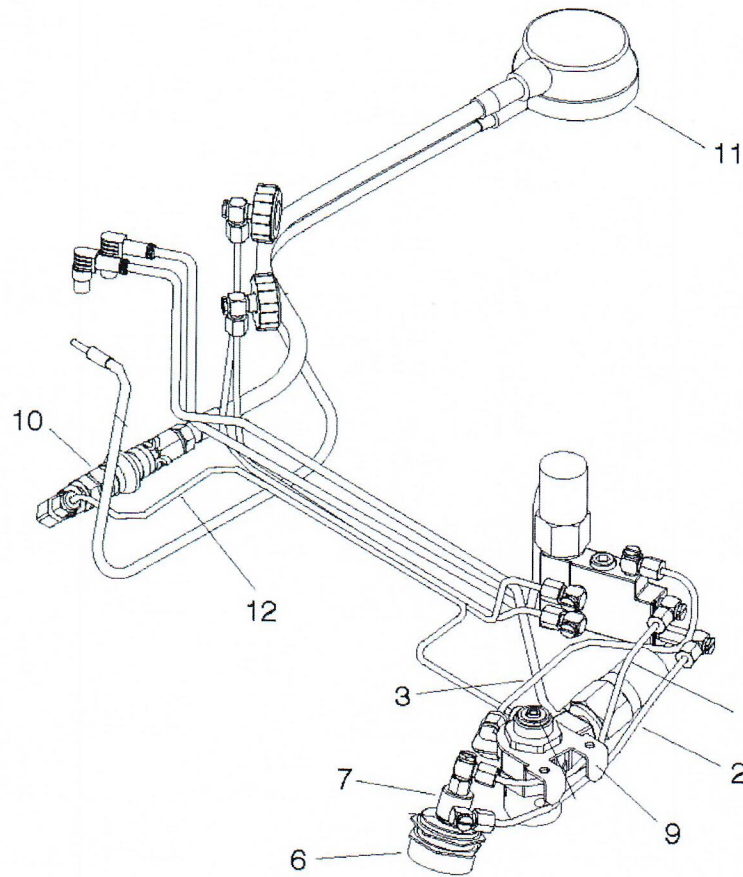
12. A. Positive Pressure  
B. Diaphragm  
C. Load

13. A. Cover  
B. Controller  
C. Knob

14. A. Relief  
B. Vent  
C. Outlet

15. A. Support  
B. Lift  
C. Carrying

## Pneumatic Assembly



| 1<br>Cons. No. | 2<br>Designation              | 1<br>Cons. No. | 2<br>Designation                |
|----------------|-------------------------------|----------------|---------------------------------|
| 1              | Bypass ____ Tube (16)         | 9              | Oxygen Regulator Assembly       |
| 2              | Bypass ____ Tube (17)         | 10             | Remote Gauge Shut Off Assembly  |
| 3              | Oxygen ____ Tube (18)         | 11             | Remote Gauge Assembly           |
| 6              | Bypass Valve ____ Button (19) | 12             | Remote Gauge Feed Tube Assembly |
| 7              | ____ Valve (20)               |                |                                 |

- |                                       |                                       |                                       |  |   |
|---------------------------------------|---------------------------------------|---------------------------------------|--|---|
| 16. A. Supply<br>B. Feed<br>C. Return | 17. A. Supply<br>B. Feed<br>C. Return | 18. A. Supply<br>B. Feed<br>C. Return | 19. A. Activate<br>B. Press<br>C. Push | 20. A. Emergency<br>B. Feed<br>C. By-Pass |
|---------------------------------------|---------------------------------------|---------------------------------------|--|---|