**Bivalent COVID-19 Vaccines EXAMPLE Competency Exam**

Refer to EUAs for **Pfizer** (gray cap/gray label border) and **Moderna** (dark blue cap/gray label border), and the **CDC Interim Clinical Considerations** to answer the following questions:

1. The **bivalent Pfizer** COVID-19 vaccine product is authorized for which of the following age groups?
   a. >6 months  
   b. >5 years  
   c. >12 years  
   d. >18 years only

2. The **bivalent Moderna** COVID-19 vaccine product is authorized for which of the following age groups?
   a. >6 months  
   b. >5 years  
   c. >12 years  
   d. >18 years only

3. For the age groups answered above, the **bivalent** products are authorized to be given as:
   a. The primary series  
   b. Additional dose for immunocompromised  
   c. Boosters only

4. The **monovalent** vial presentations are authorized to be given in:
   a. Anyone starting the primary series  
   b. Immunocompromised patients needing an additional dose for the primary series  
   c. Booster doses for patients 5-11 years of age (i.e., Pfizer “orange” capped)  
   d. All of the above are correct

5. Which of the following scenarios is the **most appropriate** according to current FDA and CDC guidance:
   a. Administering a monovalent booster dose of a Pfizer (orange capped) vaccine to ages 5-11 years  
   b. Administering a bivalent Moderna vaccine to a 20-year old starting the primary series  
   c. Administering a bivalent Pfizer booster dose to a 10-year old  
   d. Administering a monovalent Moderna (red capped) vaccine to a 40-year as a booster dose  
   e. All of the above are correct  
   f. None of the above are correct

6. Bivalent vaccines should be separated by how many months from the last primary/booster dose?
   a. 1 month  
   b. 2 months  
   c. 3 months  
   d. 4 months  
   e. No minimum interval recommended

7. The **Pfizer bivalent product can be stored in**:
   a. Ultra-cold storage unit at -90°C to -60°C for up to expiration date detailed in EUA  
   b. Freezer at -25°C to -15°C for up to expiration date detailed in EUA  
   c. Refrigerator at 2°C to 8°C for up to 10 weeks  
   d. Only (a) and (c) are correct  
   e. All of the above are correct

8. The **Moderna bivalent product can be stored in**:
   a. Ultra-cold storage unit at -90°C to -60°C for up to the expiration date per the **expiry tool**  
   b. Freezer at -50°C to -15°C for up to the expiration date per the **expiry tool**  
   c. Refrigerator at 2°C to 8°C for up to 30 days  
   d. Only (b) and (c) are correct  
   e. All of the above are correct

9. **TRUE/FALSE** – Both bivalent booster products (Pfizer Gray Cap and Moderna) require dilution or reconstitution.

10. **TRUE/FALSE** – If giving a bivalent vaccine, CDC requests vaccinators to ideally write “**Bivalent Booster**” or “**Bivalent**” on the CDC Vaccine Card to differentiate it from previous monovalent boosters.

11. **TRUE/FALSE** – Bivalent boosters target both the original strain of SARS-CoV-2 and a common element of the BA.4 and BA.5 Omicron subvariants.

12. **TRUE/FALSE** – Both Pfizer Gray Cap and Moderna bivalent vials should be discarded **12 hours** after first puncture.

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**Vaccine Provider’s Printed Name**  
**Signature**  
**Date**

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