This section presents you various set of Mock Tests related to Design Patterns Framework. You can download these sample mock tests at your local machine and solve offline at your convenience. Every mock test is supplied with a mock test key to let you verify the final score and grade yourself.

**DESIGN PATTERNS MOCK TEST III**

**Q 1 - Which of the following describes the Null Object pattern correctly?**

A - In this pattern, a class behavior changes based on its state.
B - In this pattern, a null object replaces check of NULL object instance.
C - In this pattern, a class behavior or its algorithm can be changed at run time.
D - In this pattern, an abstract class exposes defined ways/templates to execute its methods.

**Q 2 - Which of the following describes the Strategy pattern correctly?**

A - In this pattern, a class behavior changes based on its state.
B - In this pattern, a null object replaces check of NULL object instance.
C - In this pattern, a class behavior or its algorithm can be changed at run time.
D - In this pattern, an abstract class exposes defined ways/templates to execute its methods.

**Q 3 - Which of the following describes the Template pattern correctly?**

A - In this pattern, a class behavior changes based on its state.
B - In this pattern, a null object replaces check of NULL object instance.
C - In this pattern, a class behavior or its algorithm can be changed at run time.
D - In this pattern, an abstract class exposes defined ways/templates to execute its methods.

**Q 4 - In which of the following pattern, a class behavior changes based on its state?**

A - State Pattern
### Q 5 - In which of the following pattern, a null object replaces check of NULL object instance?

A - State Pattern  
B - Null Object Pattern  
C - Strategy Pattern  
D - Template Pattern

### Q 6 - In which of the following pattern, a class behavior or its algorithm can be changed at run time?

A - State Pattern  
B - Null Object Pattern  
C - Strategy Pattern  
D - Template Pattern

### Q 7 - In which of the following pattern, an abstract class exposes defined ways to execute its methods?

A - State Pattern  
B - Null Object Pattern  
C - Strategy Pattern  
D - Template Pattern

### Q 8 - Which of the following describes the Visitor pattern correctly?

A - In this pattern, a visitor class is used which changes the executing algorithm of an element class.  
B - This pattern is used to separate application's concerns.  
C - This pattern is used to decouple presentation tier and business tier.  
D - This pattern is used in EJB persistence mechanism.

### Q 9 - Which of the following describes the MVC pattern correctly?

A - In this pattern, a visitor class is used which changes the executing algorithm of an element class.  
B - This pattern is used to separate application's concerns.  
C - This pattern is used to decouple presentation tier and business tier.
- This pattern is used in EJB persistence mechanism.

Q 10 - Which of the following describes the Business Delegate pattern correctly?
A - In this pattern, a visitor class is used which changes the executing algorithm of an element class.
B - This pattern is used to separate application's concerns.
C - This pattern is used to decouple presentation tier and business tier.
D - This pattern is used in EJB persistence mechanism.

Q 11 - Which of the following describes the Composite Entity pattern correctly?
A - In this pattern, a visitor class is used which changes the executing algorithm of an element class.
B - This pattern is used to separate application's concerns.
C - This pattern is used to decouple presentation tier and business tier.
D - This pattern is used in EJB persistence mechanism.

Q 12 - In which of the following pattern, a visitor class is used which changes the executing algorithm of an element class?
A - Visitor Pattern
B - MVC Pattern
C - Business Delegate Pattern
D - Composite Entity Pattern

Q 13 - Which of the following pattern is used to separate application's concerns?
A - Visitor Pattern
B - MVC Pattern
C - Business Delegate Pattern
D - Composite Entity Pattern

Q 14 - Which of the following pattern is used to decouple presentation tier and business tier?
A - Visitor Pattern
B - MVC Pattern
C - Business Delegate Pattern
D - Composite Entity Pattern

Q 15 - Which of the following pattern is used in EJB persistence mechanism?
Q 16 - Which of the following describes the DAO pattern correctly?
A - This pattern is used to separate low level data accessing API or operations from high level business services.
B - This pattern is used to provide a centralized request handling mechanism so that all requests will be handled by a single handler.
C - This pattern is used when we want to do some pre-processing / post-processing with request or response of the application.
D - This pattern is used when we want to locate various services using JNDI lookup.

Q 17 - Which of the following describes the Front Controller pattern correctly?
A - This pattern is used to separate low level data accessing API or operations from high level business services.
B - This pattern is used to provide a centralized request handling mechanism so that all requests will be handled by a single handler.
C - This pattern is used when we want to do some pre-processing / post-processing with request or response of the application.
D - This pattern is used when we want to locate various services using JNDI lookup.

Q 18 - Which of the following describes the Intercepting pattern correctly?
A - This pattern is used to separate low level data accessing API or operations from high level business services.
B - This pattern is used to provide a centralized request handling mechanism so that all requests will be handled by a single handler.
C - This pattern is used when we want to do some pre-processing / post-processing with request or response of the application.
D - This pattern is used when we want to locate various services using JNDI lookup.

Q 19 - Which of the following describes the Service Locator pattern correctly?
A - This pattern is used to separate low level data accessing API or operations from high level business services.
B - This pattern is used to provide a centralized request handling mechanism so that all requests will be handled by a single handler.
C - This pattern is used when we want to do some pre-processing / post-processing with request or response of the application.
D - This pattern is used when we want to locate various services using JNDI lookup.
Q 20 - Which of the following pattern is used to separate low level data accessing API or operations from high level business services?

A - DAO Pattern
B - Front Controller Pattern
C - Intercepting Pattern
D - Service Locator Pattern

Q 21 - Which of the following pattern is used to provide a centralized request handling mechanism so that all requests will be handled by a single handler?

A - DAO Pattern
B - Front Controller Pattern
C - Intercepting Pattern
D - Service Locator Pattern

Q 22 - Which of the following pattern is used when we want to do some pre-processing / post-processing with request or response of the application?

A - DAO Pattern
B - Front Controller Pattern
C - Intercepting Pattern
D - Service Locator Pattern

Q 23 - Which of the following pattern is used when we want to locate various services using JNDI lookup?

A - DAO Pattern
B - Front Controller Pattern
C - Intercepting Pattern
D - Service Locator Pattern

Q 24 - Which of the following describes the Factory pattern correctly?

A - This pattern creates object without exposing the creation logic to the client and refer to newly created object using a common interface.

B - In this pattern an interface is responsible for creating a factory of related objects without explicitly specifying their classes.

C - This pattern involves a single class which is responsible to create an object while making sure that only single object gets created.

D - This pattern is used when we want to pass data with multiple attributes in one shot from client to server.
Q 25 - Which of the following describes the Abstract Factory pattern correctly?

A - This pattern creates object without exposing the creation logic to the client and refer to newly created object using a common interface.

B - In this pattern an interface is responsible for creating a factory of related objects without explicitly specifying their classes.

C - This pattern involves a single class which is responsible to create an object while making sure that only single object gets created.

D - This pattern is used when we want to pass data with multiple attributes in one shot from client to server.

ANSWER SHEET

<table>
<thead>
<tr>
<th>Question Number</th>
<th>Answer Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B</td>
</tr>
<tr>
<td>2</td>
<td>C</td>
</tr>
<tr>
<td>3</td>
<td>D</td>
</tr>
<tr>
<td>4</td>
<td>A</td>
</tr>
<tr>
<td>5</td>
<td>B</td>
</tr>
<tr>
<td>6</td>
<td>C</td>
</tr>
<tr>
<td>7</td>
<td>D</td>
</tr>
<tr>
<td>8</td>
<td>A</td>
</tr>
<tr>
<td>9</td>
<td>B</td>
</tr>
<tr>
<td>10</td>
<td>C</td>
</tr>
<tr>
<td>11</td>
<td>D</td>
</tr>
<tr>
<td>12</td>
<td>A</td>
</tr>
<tr>
<td>13</td>
<td>B</td>
</tr>
<tr>
<td>14</td>
<td>C</td>
</tr>
<tr>
<td>15</td>
<td>D</td>
</tr>
<tr>
<td>16</td>
<td>A</td>
</tr>
<tr>
<td>17</td>
<td>B</td>
</tr>
<tr>
<td>18</td>
<td>C</td>
</tr>
<tr>
<td>19</td>
<td>D</td>
</tr>
<tr>
<td>20</td>
<td>A</td>
</tr>
<tr>
<td>21</td>
<td>B</td>
</tr>
<tr>
<td>22</td>
<td>C</td>
</tr>
<tr>
<td>23</td>
<td>D</td>
</tr>
<tr>
<td>24</td>
<td>A</td>
</tr>
</tbody>
</table>