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| **Question 1:**  If the volume of a metal sphere is 38808 cm3. Then, its radius and surface area are- |
| **Option A:**  7 cm and 616 cm2 |
| **Option B:**  21 cm and 5544 cm2 |
| **Option C:**  14 cm and 2464 cm2 |
| **Option D:**  Cannot calculate from the given information. |
| **Correct Option:**  **B** |
| **Solution** |
| **Level**  **3** |
| **Length**  **VSQ** |
| **Marks**  **1** |

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| **Question 2:**  A toy is in the form of a right circular cone mounted on a hemisphere. If the radius of hemisphere is 3.5 cm and the total height of the toy is 9.5 cm. the volume of toy is- |
| **Option A:**  164 cm3 |
| **Option B:**  166.83 cm3 |
| **Option C:**  169 cm3 |
| **Option D:**  172.88 cm3 |
| **Correct Option:**  **B** |
| **Solution**  Volume of toy= volume of cone + volume of hemisphere |
| **Level**  **3** |
| **Length**  **VSQ** |
| **Marks**  **1** |

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| **Question 3:**  What is the length of the longest rod which can be placed in a cube of total surface area of 1176 cm3? |
| **Option A:**  7 cm |
| **Option B:**  14 cm |
| **Option C:** |
| **Option D:** |
| **Correct Option:**  **D** |
| **Solution**  Surface area of cube= 6(a)2 |
| **Level**  **3** |
| **Length**  **VSQ** |
| **Marks**  **1** |