A. CHOOSE THE CORRECT OPTION: 15x1=15

1. The _____ has a horizontal beam, supported at its centre.
   a) **Beam balance**   b)electronic balance   c)physical balance

2. Two _____ pans of equal weight are suspended at equal distance from the centre of the beam.
   a) perpendicular   b)**identical**   c)parallel

3. The beam should be _____ when the pans are empty and balanced.

   a)vertical   b)balanced   c)**horizontal**

4. _____ is very accurate and sensitive.

   a)beam balance   b)**electronic balance**   c) physical balance

5. Proper weights used by shopkeepers are made of _____.

   a) **metal**   b) steel   c) stone

6. Each weight has a hole in the centre, which is filled with _____.

   a) mark   b)**lead**   c) paint

7. Proper weights have the _____ of the Weights and Measures Department placed on the lead seal.

   a) **stamp**   b) seal   c)portrait

8. The amount of surface covered by an object or a place is called its _____.

   a) volume   b)space   c)**area**

9. The area of an object depends upon the _____ of the object.

   a) **size**   b)shape   c)quality

10. The standard unit of area in SI System is _____.

    a)**m^2**   b) m^3 c)m

11. 1 m² is the area of a square surface whose length of the side is _____ metre.

 a)2   b) **1**   c)10

12. The formula to find the area of a square is _____.

 a)ab   b)a^2 c)a^2b^2

13. If the side of a square is 7m, then find its area.

 a) 42 m²   b) **49 m²**   c)45 m²

14. If the side of a square is 19 inches, then find its area.

 a) 170 sq.ft   b)360 sq. in   c)**361 sq.in**

15. If the side of a square is 23 feet, then find its area.

 a) **529 sq. ft**   b) 525 sq. ft   c)576 sq.ft

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