

Duration: 30 Mins

Total Marks: 9

Q.ID: ITISKILL8220NU

1. What is the subtracted value of  $3x - 4x^2 + 2y^2$  from  $4y^2 - 2x + 8x^2$ ?

- A)  $(-2y^2 - 5x + 12x^2)$       B)  $2y^2 - 5x - 12x^2$   
 C)  $2y^2 + 5x - 12x^2$       D)  $2y^2 - 5x + 12x^2$

**Answer: D)  $2y^2 - 5x + 12x^2$**

2. What is the circumference of a circle whose diameter is 7 cm?

- A) 44 cm      B) 25 cm  
 C) 21 cm      D) 22 cm

**Answer: D) 22 cm**

3. Which machine converts mechanical energy into electrical energy?

- A) Generator      B) Heater  
 C) Iron box      D) Battery

**Answer: A) Generator**

4. What is the value of  $625^0$ ?

- A) 0      B) 525  
 C) 1      D) 25

**Answer: C) 1**

5. What is the radius of the circle, whose circumference is 440

cm?

- A) 70.5 cm      B) 71.5 cm  
 C) 70 cm      D) 72.2 cm

**Answer: C) 70 cm**

6. What is the diameter of the circle, if the area of the circle is  $78.5\text{cm}^2$ ?

- A) 15 cm      B) 5 cm  
 C) 5.5 cm      D) 10 cm

**Answer: D) 10 cm**

7. What is the voltage?  $R = 250 \text{ Ohms}$   $I = 0.44 \text{ Amps}$   $V = \text{___ Volts}$

- A) 105 Volts      B) 110 Volts  
 C) 108 Volts      D) 100 Volts

**Answer: B) 110 Volts**

8. What is the value of  $1/a^{-5}$ ?

- A)  $a^{-5}$       B)  $a^5$   
 C)  $5a$       D)  $(-5a)$

**Answer: B)  $a^5$**

9. What is the radius of a circle whose diameter is 44 cm?

- A) 44 cm      B) 23 cm  
 C) 20 cm      D) 22 cm

**Answer: D) 22 cm**