

# SSUET Admission Test Pre-Engg Group

## Sample

### Section: English

1. "They are going to win the match" shows:
  1. neutral future intention
  2. future planning
  3. future prediction based on evidence
  4. strong future intention
  
2. An ultrasonic wave has \_\_\_\_\_ a high frequency that it is inaudible.
  1. Therefore
  2. such
  3. above
  4. thus
  
3. No one is completely sure \_\_\_\_\_ causes booms & depressions in free economy.
  1. Whom
  2. how
  3. what
  4. why
  
4. Washington D.C., \_\_\_\_\_ broad tree shaded roads, has many imposing building.
  1. Its
  2. with its
  3. to have it
  4. has

5. \_\_\_\_\_ that of iron construction, the technology for constructing building with reinforced concrete developed rather rapidly.
1. dissimilar
  2. different
  3. not likely
  4. unlike

## Section: Physics

1. Laws of reflection and refraction are given by \_\_\_\_\_.
  1. AL-Razi
  2. Al-Beruni
  3. Ibn-ul-Haitham
  4. Ibn-e-Sina
2. The number 860.040 has \_\_\_\_\_ significant figures.
  1. 3
  2. 4
  3. 5
  4. 6
3. In an in-elastic collision \_\_\_\_\_.
  1. Momentum is conserved but K.E. is not conserved
  2. K.E is conserved but Momentum is not conserved
  3. Both Momentum and K.E are conserved
  4. Neither Momentum nor K.E is conserved
4. Every point on a rotating body has the same \_\_\_\_\_.
  1. Linear velocity
  2. Angular velocity
  3. Angular Momentum
  4. None of these

5. Which of the following is a spin motion?
1. The motion of planets round the sun
  2. The motion of electrons round the nucleus
  3. The motion of moon round the earth
  4. The daily rotation of the earth causing day and night

## Section: Chemistry

1.  $PV = nRT$ , where R is known as
1. solution constant
  2. equilibrium
  3. rate constant
  4. gas constant
2. Water molecule contains \_\_\_\_\_ atoms
1. 1
  2. 2
  3. 3
  4. 4
3. The oxidation number of O in  $CO_2$  is
1. 1
  2. 2
  3. -2
  4. 3
4. The valency of C is
1. 1
  2. 2
  3. 3
  4. 4

5. Which element can't be analyzed directly by combustion analysis?
1. Sulphur
  2. Oxygen
  3. Carbon
  4. Hydrogen

## Section: General Knowledge

1. Rohtas Fort was built by:
  1. Babur
  2. Akbar
  3. Shahjahan
  4. Shershah
  
2. Name the first President of Pakistan
  1. Quaid-e-Azam
  2. Malik Ghulam Mohammad
  3. Khwaja Nazimuddin
  4. Gen. Iskandar Mirza
  
3. Panama Canal is located in \_\_\_\_\_
  1. Africa
  2. Asia
  3. South America
  4. North America
  
4. The Gorkhas are the original inhabitants of which country?
  1. Tibet
  2. China
  3. India
  4. Nepal

5. Tashkent is the capital of:

1. Kazakhstan
2. Uzbekistan
3. Turkmenistan
4. None of these

## Section: Mathematics

Q1. The function  $\frac{x^3-27}{x^2-9}$  has a discontinuity at  $x$  is equal to

- a) 2                      b) 3                      c) 9                      d) 0

Q2. The derivative  $\frac{d}{dx}(uvw)$  is

- a)  $uvw$                       b)  $uv \frac{d}{dx}(w) + uw \frac{d}{dx}(v) + vw \frac{d}{dx}(u)$   
c)  $\frac{1}{uvw}$                       d) does not exist

Q3. If  $y = \ln 3x^5$ , then  $y'$  is

- a)  $\frac{5}{x}$                       b)  $5x$                       c)  $x^5$                       d)  $5e^x$

Q4. The value of the function  $x^2 - 2x + 4$  at  $x = 3$  is

- a) 3                      b) 7                      c) 4                      d) -2

Q5. The number of ways in which one can take one apple, one orange and one mango from a basket containing 4 apples, 3 oranges and 5 mangoes are

- a) 10                      b) 25                      c) 80                      d) 60

## Answer Key

### **Section: English**

1. 3
2. 2
3. 3
4. 2
5. 4

### **Section: Physics**

1. 3
2. 4
3. 1
4. 2
5. 4

### **Section: Chemistry**

1. 4
2. 3
3. 3
4. 4
5. 2

### **Section: General Knowledge**

1. 4
2. 4
3. 4
4. 4
5. 2

### **Section: Mathematics**

1. B
2. B

3. A

4. B

5. D