

## Sample Question and Answer – SRMJEEH 2021

### **Aptitude:**

1. What should come in the place of question mark in the following series?  
3, 8, 6, 14, ?,20
- A. 11
  - B. 10
  - C. 8.
  - D. 9

Ans: D

2. What does niacin deficiency cause?

- A. Acne
- B. Scurvy
- C. Boils
- D. Pellagra

Ans: D 4.

3. What is the condition known as, in which the body does not get its fair share of nutrients, either from starvation, or as a result of poor absorption :

- A. Marasmus
- B. Malnutrition
- C. Kwashiorkor
- D. Malnutrition & Marasmus

Ans: B

**English :**

1. Fill in the blank with appropriate preposition

*We climbed ..... the mountains to see the serene view*

- a. Up
- b. On
- c. At
- d. Through

Answer: Up , Option A is correct

2. Identify the sentence with no adverb:

- (A) He behaves best
- (B) She sings well enough
- (C) He is the best boy in the class
- (D) The patient is much better.

ANS: C

3. Out of the four responses given, choose the one that is opposite in meaning to the word : Amiable

- a. Careless
- b. Crude
- c. Crafty
- d. Cruel

Ans. D

**Physics :**

1. If the radius of earth were to shrink by one percent (its mass remains the same), then the acceleration due to gravity on the earth's surface \_\_\_\_\_

- A** Would decrease
- B** Would remain unchanged
- C** Would increase
- D** Cannot be predicted

Correct Ans : **C**

2. Current thought is that all matter is composed of is

- A six quarks
- B six leptons
- C six quarks and four leptons
- D six quarks and six leptons

Correct Ans : **D**

3. The minimum angular momentum of the electron in a hydrogen atom is

- A  $h$
- B  $h/2$
- C  $h/2\pi$
- D  $h/\lambda$

Correct Ans : **C**

### **Chemistry :**

1. Pressure cooker reduces cooking time for food because

- A Heat is more evenly distributed in the cooking space
- B Boiling point of water involved in cooking is increased
- C The higher pressure inside the cooker crushes the food material
- D Cooking involves chemical changes helped by a rise in temperature

Correct Ans : **B**

2. Conductivity of 0.01 M NaCl solution is  $0.00147 \text{ ohm}^{-1} \text{ cm}^{-1}$ . What happens to this conductivity if extra 100 ml of  $\text{H}_2\text{O}$  will be added to the above solution?

- A Increases
- B Decreases
- C Remains unchanged
- D First increases and then decreases

Correct Ans : **B**

3. In a reaction the ferrous ( $\text{Fe}^{++}$ ) iron is oxidised to ferric ( $\text{Fe}^{+++}$ ) ion. The equivalent weight of the ion in the above reaction is equal to

- A Half of the atomic weight
- B  $1/5$  of the atomic weight
- C The atomic weight
- D Twice the atomic weight

Correct Ans : **C**

**Biology :**

1. Which of the following phylum consists of asymmetrical animals

*Porifera*

*Coelenterata*

*Ctenophora*

*Platyhelminthes*

Correct Ans : **A**

2. Lipid which contain a carbohydrate moiety is linked with the ceramide is called as

**A** Phospholipid

**B** Nucleolipid

**C** Glycolipid

**D** Lipoprotein

Correct Ans : **C**

3. Vernalin a plant hormone produced on vernalization required the optimum temperature is

**A** 10-12°C

**B** 0-5°C

**C** 20-25°C

**D** 15-20°C

Correct Ans : **B**