

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/λ

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 H_2O 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 (Fe^{++}) iron is oxidised to ferric (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**