



Sample Question Paper for online CET - 2022

Time: 30 Min.

Marks: 50

Subject : Mathematics

Q. 1 Evaluate : $-25 \times (-4) \times 6$

- A. 400 B. 600 C. -120 D. -600 (1 Marks)

Q. 2 How much is 2 of $\frac{3}{16}$ more than 3 of $\frac{2}{15}$?

- A. $\frac{13}{24}$ B. $\frac{13}{15}$ C. $\frac{13}{16}$ D. $\frac{13}{240}$ (1 Marks)

Q. 3 Square root of 2916 is.....

- A. 54 B. 56 C. 46 D. 44 (1 Marks)

Q. 4 Cube root of 3.375 is

- A. 2.5 B. 1.5 C. .15 D. 0.25 (1 Marks)

Q. 5 The amount for Rs 8000 at a rate of 10% pa compounded for 3 years is.....

- A. 98568 B. 96858 C. 98658 D. 98856 (1 Marks)

Q. 6. Factors of $x^2 + 14x + 45$ are.....

- A. $(x+5)(x+9)$ B. $(x+5)(x+13)$ C. $(x-5)(x-9)$ D. None (1 Marks)

Q.7. The angle other than the base angles of an isosceles triangle is 70° , the other angles are.....

- A. 55° each B. 50° each C. 65° each D. none of these (1 Marks)

Q. 8. If $x + y = 13$ and $xy = 22$ then value of $x^2 + y^2$ is

- A. 120 B. 110 C. 125 D. 115 (1 Marks)

Q. 9. What should be added to the sum of $2\frac{1}{5}$ and $13\frac{1}{4}$ so as to get $18\frac{1}{2}$?

A. $3\frac{1}{20}$

B. $2\frac{1}{20}$

C. $2\frac{2}{5}$

D. $3\frac{2}{5}$

(2 Marks)

Q. 10 Two cross roads, each of width 3m, runs at right angle through the center of a rectangular field 80m long and 70 m , parallel to its sides, The area of the roads is

A. 440 sq m

B. 441 sq m

C. 561 sq m

D. 560 sq m

(5 Marks)



Time: 30 Min.

Marks: 50

Subject: Science

Type 1: 2 X 2 marks

1. Consider the following two statements and answer the question given:

Statement A: Earth contains melted rocks in its core

Statement B: Pumice is a sedimentary rock.

Which of the following is correct regarding the two statements?

- (i) Statement A is false and Statement B is true
- (ii) Statement A is true and Statement B is false
- (iii) Both statements are true
- (iv) Both statements are false

2. Consider the following two statements and answer the question given:

Statement A: A concave mirror always gives a real image

Statement B: Real images are always inverted.

Which of the following is correct regarding the two statements?

- (i) Statement A is false and Statement B is true
- (ii) Statement A is true and Statement B is false
- (iii) Both statements are true
- (iv) Both statements are false

Type 2: True and False: (2 x 2 marks)

1. Air exerts pressure on the walls of the container in which it is stored

- (i) True
- (ii) False

2. Brain is protected by the skull

- (i) True
- (ii) False

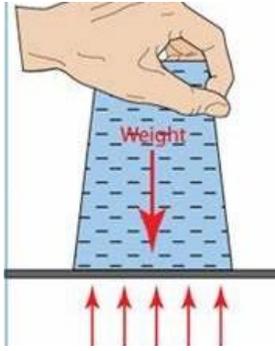
Type 3: (2 X 2 marks)

1. Identify the process:



- (i) Transpiration
- (ii) Evaporation
- (iii) Circulation
- (iv) None of these

2. Identify the phenomenon:



- (i) Air has mass
- (ii) Air is soluble in water
- (iii) Air exerts pressure
- (iv) Air has weight

Type 4 (4 X 1marks)

1. A cold drink is a mixture of:
 - (i) A solid and a liquid
 - (ii) A liquid and a gas
 - (iii) Two liquids
 - (iv) It is not a mixture
2. The product of the reaction of water and carbon dioxide in presence of sunlight and chlorophyll is
 - (i) Glucose
 - (ii) Starch
 - (iii) Sugar
 - (iv) Proteins
3. Which of the following statements is correct about the rocks:
 - (i) Rocks are made up of minerals
 - (ii) Rocks break down to make sand
 - (iii) Coal is a type of rock
 - (iv) All of these
4. Which of the following can make their own food:
 - (i) Green plants
 - (ii) Red plants
 - (iii) Blue algae
 - (iv) Human beings

Sample Question Paper for online CET 2022

Time: 30 Min.

Marks: 50

Subject: English

A. Read the following passage carefully and answer the questions that follow: 10

I rested for a moment at the door of AnandBhawan, on Market Road, where coffee-drinkers and tiffin eaters sat still at their tables, uttering low moans on seeing me. I wanted to assure them, "Don't mind me, you hugging the cash box-you are a coward, afraid even to breathe. Go on, count the cash, if that is your pleasure. I just want to watch, that's all. If my tail trails down to the street, if I am blocking your threshold, it is because, I'm told, I'm eleven feet top to tail. I can't help it. I'm not out to kill-I'm too full. I found a green pasture full of food on my way. I won't attack until I feel hungry again. Tigers attack only when they feel hungry, unlike human beings who slaughter one another without purpose or hunger."

To the great delight of children, schools were being hurriedly closed. Children of all ages and sizes were running helter-skelter, screaming joyously, "No school, no school. Tiger, tiger!" They seemed to welcome me. I felt like joining them. So I bounded away from the restaurant door. I walked along with them, at which they cried, "The tiger is coming to eat us; let us get back to school!"

I followed them through their school gate while they ran up and shut themselves in the school hall securely. I climbed up the steps of the school, saw an open door at the far end of a veranda and walked in. It happened to be the Headmaster's room. I noticed a very dignified man jumping on the table and heaving himself up into an attic. I walked in and flung myself on the cool floor, having a special liking for cool stone floors.

As I drowsed, I was aware of cautious steps and hushed voices all around. I was in no mood to bother about anything. All I wanted was a little moment of sleep; the daylight was very bright.

Read the passage carefully and answer the given questions: 5x2=10 Marks

- a. How did the diners at AnandBhawan react on seeing the tiger?
- | | |
|-----------------------|-------------------------|
| i. Ran away | ii. Hid under the table |
| iii. Hid behind doors | iv. Sat still |
- b. Who is speaking in Para 1?
- | | |
|----------|------------------|
| i. Diner | ii. Tiffin eater |
| iii. Man | iv. Tiger |
- c. When do tigers attack?
- | | |
|---------------------|--------------------------|
| i. Only when hungry | ii. When bored |
| iii. Out for a walk | iv. When they see humans |
- d. In the context of attacking, how are human beings different from tigers?
- | | |
|--------------------------|-------------------------------|
| i. Attack without reason | ii. Attack when hungry |
| iii. Attack when bored | iv. Attack when they are full |

e. Why were the children happy and even enjoying being scared?

- i. School being closed
- ii. No reason
- iii. Weather was great
- iv. All of the above

B. Choose the most suitable option in the following sentences:

3x2=6Marks

a. She said to me, "I will open the window."

- i She ordered me to open the window.
- ii She pleaded with me to open the window.
- iii She begged me to open the window.
- iv She stated that she would open the window.

b. The Captain said to the soldiers, "Attack the enemy."

- i The Captain commanded the soldiers to attack the enemy.
- ii The Captain requested the soldiers to attack the enemy.
- iii The Captain pleaded with his soldiers to attack the enemy.
- iv The Captain asked his soldiers to attack the enemy.

c. I said to Ashish, "Please bring me a glass of water."

- i. I ordered Ashish to bring me a glass of water.
- ii I commanded Ashish to bring me a glass of water.
- iii I requested Ashish to bring me a glass of water.
- Iv I asked Ashish to bring me a glass of water.

C. Choose the most appropriate options in the following sentences:

2x2=4 Marks

1. 1. The employees brought up this issue during the meeting.

- a) This issue has been brought up by the employees during the meeting.
- b) This issue was being brought up by the employees during the meeting.
- c) This issue was brought up by the employees during the meeting.

2. They will ask a lot of questions.

- a) A lot of questions can be asked by them
- b) Cannot be changed into passive.
- c) A lot of questions will be asked by them.