

(c) Rs 61.27

(d) Rs 162.94

Q3. Parvez wants to use liquefied gas in his car. He needs to install a liquefied gas kit in his car.

The kit costs Rs. 50,000. To install the kit, he paid Rs. 5000 and has availed a loan of Rs. 45,000 at a rate of 10% per annum using simple interest. The repayment period for him is 1 year.

What is the total sum of money (in rupees) Parvez has to pay in 1 year?

(a) 55500

(b) 49500

(c) 59500

(d) 45600

Q4, Find the ratio of 50 paise to Rs 5

(a) 10 : 1

(b) 1 : 10

(c) 1 : 5

(d) none of these

Q5. 72% of 25 students are good in hindi, how many are not good in hindi?

(a) 16

(b) 14

(c) 18

(d) 7

Q6. A shop has 500 parts, out of which 5 are defective. What percent are not defective?

(a) 75%

(b) 99%

(c) 90%

(d) none of these

Q7.Meeta saves Rs 400 from her salary. If this is 10% of her salary. What is her salary?

(a) 4000

(b) 6000

(c) 3000

(d) none of these

Q8.A local cricket team played 20 matches in one season. It won 25% of them. How many matches did they lose?

(a)12

(b) 14

(c) 16

(d) none of these

Q9.Mohit bought a CD for Rs. 750 and sold it Rs. 875. Find his gain or loss percent

(a) 5%

(b) 16%

(c) 6%

(d) Mohit bought a CD

Q10.The cost of a flower vase is Rs 120. If the shopkeeper sells it at a loss of 10%, find the price at which it is sold.

(a)Rs 108

(b) Rs 450

(c) Rs 160

(d) none of these

SCIENCE

Q.1- Sometimes when we do heavy exercise or run very fast , we get muscle cramps . Why is it so ?



i) Due to anaerobic respiration , alcohol is produced .

- ii) Due to lack of oxygen, lactic acid is formed in muscles .
- iii) Due to aerobic respiration , carbon di oxide is produced.
- iv) Breathing stops during fast running .

Now , find out what is the correct reason

- a) i only
- b) i and ii only
- c) ii only
- d) ii and iv only

Ans – c

Explanation :- During fast running or heavy exercise demand of oxygen is high but supply of oxygen is limited due to which glucose is broken down partially and lactic acid is produced in muscles .

Normally human beings take in air through our nostrils. When we inhale air ,it passes through our nostrils. When we inhale air , it passes through our nostrils into the nasal cavity. From the nasal cavity , the air reaches our lungs through the windpipe. Lungs are present in the chest cavity.

Q.2-) Which of these statements is correct for the respiratory system /

- i) The ribs move in during exhalation .
- ii) The lungs constrict during inhalation.
- iii) The diaphragm expands during exhalation.
- iv) All of the above

Ans. – i

Explanation :- During exhalation the ribs move in which decreases the size of the chest cavity and air moves out of the lungs .

Q.3) Which of these animals breathe through skin ?

I fish

II) Bird

III) Snake

IV) Earthworm

Ans . IV

Explanation :- The skin of earthworm is moist and slimy which helps in absorption of oxygen .

Q.4-Cells perform various functions like digestion , excretion , reproduction , and transport .This is the reason the cells require energy to perform all these activities in organisms. What is the source of the energy which is utilized by the cells ?

- a) Stored energy in the water which releases during nutrition .
- b) Stored energy in the food which releases during respiration
- c) Stored energy in the body which releases during reproduction
- d) Stored energy in the blood which releases during transportation .

Ans – b

Explanation :- During respiration food is oxidized with the help of oxygen and energy is released.

Q.5- The table lists some human activities.

A student claimed that out of these activities , sleeping is the only activity in which energy is not needed by the cells . Is the claim made by the student correct ?

A) No, the cells require energy during all the human activities .

B) Yes , while sleeping , all the body cells are at rest , so energy is not required .

C) No, reading is another activity in which energy is not needed by the cells .

D) Yes , sleeping is the activity in which energy is not used , but is released inside the body .

Ans. A

Explanation :- All the living cells require energy to perform cellular activities which is always going on even when the organism is at rest .

Q.6- Identify X in the given equation of aerobic respiration .

Glucose +X -----à CO₂ + H₂O +energy

A) Water

B) Oxygen

C) Ethyl alcohol

D) Nitrogen

Ans. B

Explanation :- This chemical reaction occurs during respiration in which glucose oxidizes into carbon di oxide in the presence of oxygen and releases energy.

Q.7- What is the function of the hair in the nose ?

A) to secrete mucus.

B) to trap dust particles.

C) to protect the mucus glands.
lungs .

D) to prevent germs from entering the

Ans. B

Explanation :- Hair traps dust particles entering our nose .

Q.8- To which disease is smoking linked ?

- A) Appendicitis
B) Cancer
C) Fever
D) Anaemia

Ans. B

Explanation:- smoking damages the hair of nose due to which dust and harmful chemicals enter our lungs which can cause cancer.

Q.9- During exhalation the ribs

- A) move outward
B) Move downwards
C) Move upwards
D) do not move at all

Ans – B

Explanation :- During exhalation ribs move downward and inward

Q.10 Yeast are used to make

- A) curd
B) Wine and beer
C) cold drinks
D) both B and C

Ans. B

Explanation:- Yeast respire anaerobically and during this process yield alcohol.

SOCIAL SCIENCE

1. The government has set up Angawadi Centres in several villages. These are.....

- A) Yoga Centers**
B) Entertainment Centers
C) Childcare Centers

D) Education Centers

Answer:- C) Childcare Centers

Explanation:- The government has set up anganwadis or child-care centres in several villages in the country.

2. The government has passed a law that makes it mandatory for organizations on that have more than 30 women employees to provide crèches facilities.

How the provision of crèches helps women?

- A) Encourage women to start working from home.**
- B) Encourage women to work outside the home.**
- C) Both (A) and (B)**
- D) It reduces the number of women employees.**

Answer:- B) Encourage women to work outside the home.

Explanation:- The government has passed laws that make it mandatory for organisations that have more than 30 women employees to provide crèche facilities.

3. The image below shows girls are going to school together in group. Why do you think they are travelling in groups?

- A) Don't know the route**
- B) Afraid of dogs**
- C) Parents say it**

D) Fear of being teased



Answer:- D) Fear of Being teased

Explanation:- The girls always went in groups, perhaps because they also carried fears of being teased or attacked.

4. A coach for a youth sports team encourages both girls and boys to participate in all sports and provides equal opportunities for training and playing time. What is the objective of coach?

- A) To discourage girls from participating in sports.**
- B) To focus mainly on boys sports skills**
- C) To promote gender equality**
- D) To limit participation based on gender**

Answer:- C) To promote gender equality

Explanation:- Equality is an important principle of our Constitution. The Constitution says that being male or female should not become a reason for discrimination.

5. "In India, cultural and religious restrictions often come in the way of women realizing their full potential. Education is a tool for self-awareness that helps them to

stand up for themselves, have a better awareness of their rights and to change subjugation and patriarchy."

Source Times of India

Which of the following is a cultural or religious restriction that can come in the way of women realising their full potential in India?

- A) Access to education**
- B) Delay marriage**
- C) Gender discrimination**
- D) Permission to work outside home**

Answer:- C) Gender discrimination

Explanation:- Gender based discrimination is a cultural or religious restriction that can come in the way of women realizing their full potential in India

6. What is the main objective of the women's movement in India?

- A) To gain economic independence**
- B) To achieve political equality**
- C) To challenge gender stereotypes and discrimination**
- D) To promote cultural heritage**

Answer: C) To challenge gender stereotypes and discrimination

Explanation:- The main objective of the women's movement in India is to challenge gender stereotypes and discrimination.

7. What is the significance of the 73rd Amendment to the Indian Constitution?

- A) Reservation of seats for women in Panchayati Raj Institutions**
- B) Establishment of the National Commission for Women**
- C) Right to Education Act**
- D) Protection of Women from Domestic Violence Act**

Answer: A) Reservation of seats for women in Panchayati Raj Institutions

Explanation:- The landmark feature of the Seventy-third Constitutional Amendment is that not less than one-third of the total number of offices of the chairpersons and members of various PRIs has to be reserved for women.

8. How do high tides near the shore benefit navigation?

- A) They help ships arrive at harbours more easily.**
- B) They cause strong underwater currents.**
- C) They are used to generate electricity.**
- D) They make fishing more productive.**

Answer:- A) They help ships arrive at harbours more easily.

Explanation:- High tides near the shore benefits navigation of ships arrive at harbours more easily.

9. Identify the correct option about which given statement are true.

I. It is also called spring spring tides.

II. It helps in navigation.

III. It is used to generate electricity in some places.

- A) Low tides**
- B) Cold current**
- C) High tides**
- D) Warm current**

Answer:- C) High tides

Explanation:- During the full moon and new moon days, the sun, the moon and the earth are in the same line and the tides are highest. These tides are called spring tides. High tides help in navigation. The rise and fall of water due to tides is being used to generate electricity in some places.

10. What is the purpose of the National Water Policy?

- A) To promote water conservation**
- B) To increase water pollution**
- C) To reduce water usage in agriculture**
- D) To prioritize urban water needs over rural needs**

Answer:- A) To promote water conservation

Explanation:- The purpose of the National Water Policy is to promote water conservation

ENGLISH

1. According to Mr. Gessler, what is the problem with big firms?

- a) They focus too much on quality**
- b) They focus too much on quantity, neglecting quality**
- c) They are too innovative and take too many risks**
- d) They are too traditional and resistant to change**

Ans. 1. b) They focus too much on quantity, neglecting quality

Explanation: - When the firms make too much goods, they compromise on the quality.

2. What is Mr. Gessler's attitude towards big firms?

- a) Admiring and supportive**
- b) Critical and disapproving**
- c) Indifferent and neutral**
- d) Envious and resentful**

Ans. 2. b) Critical and disapproving

Explanation:- Mr. Gessler was a perfectionist. He made his boots perfectly as per the requirements of the customers. So, he criticized the work of big firms.

3. What does Mr. Gessler believe is the result of big firms prioritizing quantity over quality?

- a) Excellent and lasting work**
- b) Efficient and productive work**
- c) Mediocre and inferior work**
- d) Innovative and ground-breaking work**

Ans. 3. c) Mediocre and inferior work

Explanation:- When the firms produce boots in bulk, they do not concentrate on quality or interest of individual customers. So, their work is of inferior quality.

4. Read the paragraph below and answer the questions that follow:-

The new coffee shop in town has become a popular spot for students and professionals alike. Its cosy atmosphere and comfortable seating make it an ideal place to study or work. The shop offers a wide range of coffee flavours and delicious pastries, making it a great spot to meet friends or colleagues.

4. 1. What is the main idea of the paragraph?

- a) The coffee shop is a great place to study or work.**
- b) The coffee shop has a wide range of coffee flavours.**
- c) The coffee shop is a popular spot for students and professionals.**
- d) The coffee shop is ideal for meeting friends or colleagues.**

Ans. 4. 1. c) The coffee shop is a popular spot for students and professionals.

Explanation: - The topic sentence is usually the first sentence in a paragraph. It is the sentence which conveys the main idea of the paragraph.

4. 2. The paragraph suggests that the coffee shop is popular among students and professionals. What can be inferred about the location of the coffee shop?

- a) It is located in a residential area.**
- b) It is located in a commercial area.**
- c) It is located near an educational area.**
- d) It is located in a tourist area.**

Ans. 4. 2. c) It is located near a university or college

Explanation: - The paragraph mentions students, implying a proximity to an educational institution.

4.3. What is the author's tone in describing the coffee shop?

- a) Critical**

b) Sarcastic

c) Neutral

d) Positive

Ans. 4. 3. d) Positive

Explanation: -The author uses words like "popular", "cosy", "comfortable", "wide range", and "delicious" to describe the coffee shop, indicating a positive tone.

4.4. What is the relationship between the coffee shop's atmosphere and its purpose?

a) The cosy atmosphere is a hindrance to productivity.

b) The comfortable seating is irrelevant to the coffee shop's purpose.

c) The cosy atmosphere and comfortable seating make it an ideal place to study or work.

d) The atmosphere is only suitable for socializing.

Ans. 4. 4 c) The cosy atmosphere and comfortable seating make it an ideal place to study or work.

Explanation: -The paragraph suggests that the atmosphere and seating contribute to the coffee shop's functionality. Due to the cosy atmosphere, more visitors come and increase the business of the shop.

5. Fill in the blanks with correct tenses: -

5. 1. My brother _____ his examination and has received the result card.

a. has passed

b. have passed

c. passed

d. is passing

Ans. 5. 1. a) Has passed

Explanation: - 'My brother' is singular so 'has passed' will be used. Also, as the other part of the sentence gives hint that the present tense will be used.

5. 2. As soon as I _____ the lion, I ran away.

a. am seeing

b. saw

c. will see

d.. see

Ans. 5. 2. b) saw

Explanation:- The other part of the sentence gives a hint that the sentence is in past tense.

5. 3. As soon as my mother saw me coming back, she _____ relieved.

a. become

b became

c. becoming

d. will become

Ans. 5.3. b became

Explanation:- The other part of the sentence gives a hint that the sentence is in past tense.

