

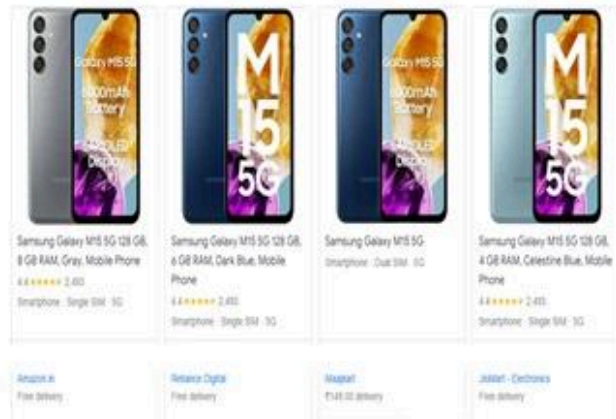
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CBT OCTOBER EXAMINATION 2024

MATHEMATICS

CLASS – VII

Different websites offer the same phone at different prices. A Rs. 15,000 mobile phone is available at $\frac{4}{5}$ of its marked price on Website A. Website A gives an additional discount equivalent to $\frac{1}{10}$ of the phone price at check out. Website B offers the same mobile phone model at $\frac{2}{5}$ of its price with no further discount at checkout.



On the basis of above information answer the question from **Q1 to Q2**

At what price is the mobile phone offered by Website A?

- (a) Rs 11800
- (b) Rs 10800
- (c) Rs 12000
- (d) None of the above

On the basis of above information answer the question from **Q1 to Q2**

ANSWER (B) EXPLANATION-concept of discount

Q2 Which website sells the phone at a more economical price

- (a) WebsiteA (b) WebsiteB (c) Both Website A and B (d) None of the above

ANSWER website b Explanation– compare the price

Q3 In which of the following options does Point K represent - on the number line?

- a) A b) B c) C d) D

ANSWER - A EXPLANATION -See the number line

Q4 A mathematical operation of rational numbers is shown on the number line.

- (a) Addition (b) Subtraction (c) Multiplication (d) Division**

- a) A b) B c) C d) D

ANSWER- A . EXPLANATION- - See the number line

Q5 Zero has.....reciprocal

- (a) 1 (b) 2 (c) 3 (d)NO**

ANSWER- (d)NO EXPLANATION- Concept of reciprocal

Q6 Reciprocal of $1/5$ is

- (a) $1/5$ (b) $-1/5$ (c) 5 (d) none of these**

ANSWER-(c) 5 EXPLANATION-Concept of reciprocal

Q7The sum of the rational numbers $\frac{3}{5} + \frac{5}{3}$ is

- (a) $34/15$ (b) $24/15$ (c) $8/8$ (d) none of these**

ANSWER-(a) $34/15$ EXPLANATION-solve by taking LCM

Q8 The equivalent rational number of $-24/15$ is

- (a) $8/5$ (b) $-8/15$ (c) $-8/5$ (d) none of these**

ANSWER- (c) $-8/5$ EXPLANATION-Write in simplest form

Q9The product of rational number and its reciprocal is

(a) 0 (b) -1 (c) 1 (d) None of these

ANSWER- (c) 1 **EXPLANATION-** Find the product.

Q 10 Find the value of $-1/8/3/4$

(a) $1/6$ (b) $-1/6$ (c) $5/6$ (d) none of these

ANSWER(b) $-1/6$ EXPLANATION-Finding value

CBT SCIENCE ANSWER AND FEEDBACK

Q.11- Which of the following statements are true ?

1. Pulmonary artery carries blood from the heart so it is called an artery and not away

2. It carries carbon dioxide rich blood to the lungs

3. Pulmonary vein carries oxygen rich blood from the lungs to the heart

A. Statement one and two are true B. Statement 3 and 1 are 2

C. Statement 3 and 1 are true D. All the statements are true

Ans. D

Explanation :- Pulmonary artery carry deoxygenated blood from heart to lungs and pulmonary veins carry oxygenated blood from lungs to heart .

Q.12- 1. The heart is an organ that beats continuously to act as a pump for the transport of blood which

carries other substances with it

2. The heart is located in the chest cavity with its lower tip slightly tilted towards the left

3. The two upper chambers are called the atria

4. The two low chambers are called the ventricles

Correct statements about the human heart are

A. 1,2 and 4 are correct B. One and four are correct

C. 3 and 4 are correct D. All statements are correct

Ans –D

Explanation :- Heart is 4chambered wwith two upper atria and two lower ventricles and heart pumps blood to all the body parts .

Q.13- Veins carry blood to flow only

A. Towards heart B. Towards lungs

C. Towards kidneys C. Towards liver

Ans. A

Explanation:-The main functions of vein is to carrying the blood from the body towards the heart.

Q.14- Why is the blood from the heart should be transported to the lungs?

A) for removal of oxygen

B. For removal of carbon dioxide

C. For removal of water

D. None of the above.

Ans. B Explanation :-Blood coming in heart from vena cava contains deoxygenated blood which is sent to lungs to make it oxygenated .

Q.15- Which among the following is function of blood vessel

A. Blood vessels are the tube like structures which carry the blood through cells , tissues and organs

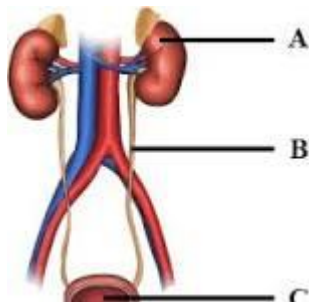
B. Blood vessels are the flat structures which transport oxygen to different parts of the body .

C. Blood vessels absorbs oxygen from air in the heart .

D . All of the above

Ans- A Explanation:-blood vessels are the tube like structures which carry the blood through cells ,tissues andorgans and blood vessels does not absorb oxygen from air in the heart , it absorbs in lungs .

Q.16- Name the parts labelled A, B ,C and D



I) A -kidney, B -Urinary bladder, C- Urethra ,D -Ureter

II) A- kidney ,B- Ureter , C- Urinary bladder ,D- Urethra

III) A- kidney, B- Urethra , C- Collecting duct , D- Ureter

IV) A- kidney ,B- Renal artery , C- Uterus, D- Ureter

Ans - B

Explanation -The kidneys filter out the blood and pass the urine to the urinary bladder through ureters .Urine is expelled out through urethra.

Q.17- A patient was facing trouble in breathing. On diagnosis, the doctor examined that the haemoglobin content in the patient's body is less than the normal range. What role does haemoglobin play in breathing ?

- a) Haemoglobin helps in the transportation of oxygen to all body cells .
- b.) Haemoglobin prevents clot formation inside the respiratory tract .
- C) Haemoglobin helps the lungs to take in more air from the surrounding .
- d) Haemoglobin fights against germs that enter into the respiratory tract.

Ans. - a

Explanation:- Haemoglobin is the carrier of oxygen in blood which supplies oxygen to all the cells of an organism .

Q.18- The separation of the atria and ventricles helps to

- A) prevent mixing of the blood .
- B) pump blood only to lower parts of the body .
- C) pump blood only to upper parts of the body .
- D) both A and C

Ans - A

Explanation:- The partition between the chambers prevents mixing oxygen rich blood with carbon dioxide rich blood .

Q 19-Which one is correct ?

- A) Blood has WBC and lymph has RBC .
- B) Blood has WBC , RBC and lymph has nothing .

C) Blood has RBC ,WBC and lymph has WBC .

D) Lymph has WBC, RBC and blood has RBC

Ans - C

Q.20 - What is the main function of the excretory system ?

A) To collect and remove waste from the body .B) To strengthen skeletal muscles .

C) To protect the nervous system . D) To bring auction to body cells .

Ans. – A Explanation :- Excretory system filters nitrogenous waste from blood and expels

SOCIAL SCIENCE

Q 21. Identify the region or state associated with the following statement.

"The Khokhar tribe was very influential during the 13th and 14th centuries. Later, the Gakkhars became more important. Their chief, Kamal Khan Gakkhar, was made a noble (mansabdar) by Emperor Akbar".

A) Jharkhand B) Orissa C) Punjab D) Himachal Pradesh

Correct answer-punjab

explanation-In Punjab, "The Khokhar tribe was very influential during the 13th and 14th centuries. Later, the Gakkhars became more important. Their chief, Kamal Khan Gakkhar, was made a noble (mansabdar) by Emperor Akbar".

Q 22. Choose the correct statement(s) among the following.

I. Rani Durgawati was the Gond queen.

II. Caravan of the Banjaras was known as Ratha.

III. Barhots were made up of 12 villages each.

- A) Only I B) I and I IC) I and III D) Only III

Answer :- C) I and III

Explanation:- After the death of Dalpat Shah, Rani Durgawati started to rule. The Banjaras were the most important tradernomads. Their caravan was called tanda. The chaurasi was subdivided into barhots which were made up of 12 villages each.

Q 23. Choose the incorrect statement(s) among the following.

I. Bir Narain was the son of King Dalpat.

II. Mughals attacked Ahoms in 1662.

III. Gonds used firearms and cannons to build large state

A) Only IB) Only IIC) Only IIID) I and II

Answer :- C) Only III

Explanation:- Bir Narain was the son of King Dalpat. In 1662, the Mughals under Mir Jumla attacked the Ahom kingdom. the Ahoms built a large state using firearms, and they could even make high-quality gunpowder and cannons.

Q 24. Arrange the following administrative units in top to bottom order.

I. Garh II. Chaurasi

III. Barhot IV. Villages

A) II, I, III, IV B) IV, I, II, III C) I, II, III, IV D) I, III, IV, II

Answer :- C) I, II, III, IV

Explanation:- The kingdom was divided into garhs. Each garh was controlled by a particular Gond clan. This was further divided into units of 84 villages called Chaurasi. The Chaurasi was subdivided into barhots which were made up of 12 villages each.

Q 25 Tribal people lived in forest area. They performed lots of activities to sustain their lives. So what was the main occupation of the tribal people?

A) Agriculture B) Pastoralism C) Hunting and gathering D) Trade and commerce

Answer: C) Hunting and gathering

Explanation:- Tribal people lived in forest area. They performed lots of activities to sustain their lives.

Hunting and gathering was the main occupation of the tribal people.

Q26. Carved door shown in the image is related to which tribe?



A) Ahoms B) Gonds C) Cheros D) Bhils

Answer: B) Gonds

Explanation:- Fig. 6 A carved door. Gond tribe, Bastar area, Madhya Pradesh

Q27 The trading shown in the image is related to which tribe?



A) Bhils B) Gonds C) Banjaras D) koragas

Answer: C) Banjaras

Explanation:- Central Asian traders brought such goods to India and the Banjaras and other traders carried these

to local markets

Q 28. What was the significance of the "shift from nomadism to settled agriculture"?

A) Increase in population B) Development of cities

C) Growth of trade and commerce D) Change in lifestyle and occupation

Answer: D) Change in lifestyle and occupation

Explanation:- Shift from nomadism to settled agriculture means Change in lifestyle and occupation.

Q 29. What was the purpose of the "Gotra" system among tribes?

A) To identify family lineage B) b) To determine social status

C) c) To establish political authority D) d) To resolve conflicts

Answer: a) To identify family lineage

Explanation:- The purpose of the "Gotra" system among tribes was to identify family lineage.

Q30. What was the impact of the arrival of new rulers on tribal communities?

A) They brought new technologies

B) They introduced new crops

C) They disrupted traditional ways of life

D) They established new trade routes

Answer: c) They disrupted traditional ways of life

Explanation:- The tribal has an unique way of life but the arrival of new rulers on tribal communities, they disrupted traditional ways of life

● ENGLISH

1. Read the bio-sketch given below and answer the questions that follow: -

Dr. C.V. Raman was an Indian physicist who made pioneering contributions to the field of optics. Born on November 7, 1888, in Trichinopoly, India, Raman was a child prodigy and began his academic career at the age of 11. He earned his Ph.D. from the University of Calcutta and later worked at the Indian Association for the Cultivation of Science. Raman's most notable discovery

was the inelastic scattering of light, now known as the Raman Effect. He was awarded the Nobel



Prize in Physics in 1930 for this ground-breaking work.

Q31. What can be inferred about Dr. Raman's early life from the bio-sketch?

- a) He struggled with academics as a child.
- b) He was a prodigy and began his academic career at a young age.
- c) He came from a family of scientists.
- d) He was born into a wealthy family.

Ans 1.1.b) He was a prodigy and began his academic career at a young age.

Explanation – The other three information pieces are not given in the paragraph.

Q32. What can be concluded about Dr. Raman's career based on the bio-sketch?

- a) He only worked at the University of Calcutta.
- b) He made significant contributions to the field of physics.
- c) He was not recognized for his work during his lifetime.
- d) He only worked in theoretical physics.

Ans. 1.2.b) He made significant contributions to the field of physics.

Explanation – C. V. Raman was the first Asian to receive the Nobel Prize in Physics

Q33. What is the tone of the paragraph?

- a) Critical
- b) Informative
- c) Biased
- d) Enthusiastic

Ans.1.3. b) informative

Explanation – The bio-sketch gives detail information about the great scientist C.V. Raman

Q34. What is the author's purpose in writing the paragraph?

- a) To criticize Dr. Raman's work

- b) To provide a neutral summary of Dr. Raman's achievements
- c) To praise Dr. Raman's contributions to physics
- d) To compare Dr. Raman to other scientists

Ans. 1. 4. c) To praise Dr. Raman's contributions to physics

Explanation – The author does not write negative things so he does not criticize nor he is comparing with anyone. He is talking about positive things so he is not neutral but admiring the author.

Q35. What is the central idea of the poem "The Trees"?

- a) To describe the physical characteristics of trees b) To highlight the importance of trees in our lives
- c) To compare trees to human beings d) To describe the different types of trees

Ans. 2. b) To highlight the importance of trees in our lives

Explanation – The poet describes the trees are used for swings, make tree houses. It gives cool shade.

Q36 In the poem "The Trees," what is NOT suggested as a use for the trees?

- a) Decoration b) Providing shelter
- c) Source of food d) Building material

Ans. 3. c) Source of food

Explanation – The poem doesn't directly mention the trees as a food source.. **Why did Golu's Q37 uncles find him to be a nuisance?**

- a) He was very strong. b) He was always curious and asked questions.
- c) He was very shy. d) He didn't listen to his elders.

Ans 4. b) He was always curious and asked questions.

Explanation: The story mentions Golu's constant questions annoyed his uncles.

Q38. Find out the correct sentence from the options given below: -



- a) She don't like to go to school. b) She doesn't likes going to school.
c) She doesn't like going to school. d) Does she don't like going to school.

Ans 5. c) She doesn't like going to school.

Explanation – “Don't” is used for the singular "you" while "doesn't" is used for the third person singular pronoun "she."



Q39. Find out the correct options from the options given below: -

The children was playing outside when it started to rain.

- A. were playing B. are playing C. Played D. has played

Ans 6.1. a) were playing

Explanation – Because children are plural so helping verb 'were' will be used.

Q40 She went to the store to buy some milk and egg.



A. eggs B. an egg C. a egg D. No correction needed

Ans 5.3. a) eggs

Explanation – As the determiner some is used, the eggs will be used as plural.