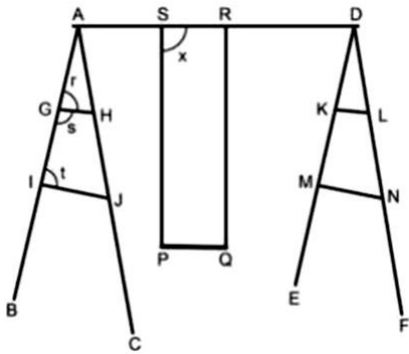


K V S RO BHOPAL
CBT-AUGUST
CLASS-7TH
ANSWER AND FEEDBACK

Q1. In the figure given below, AD is a straight line. PS and QR are perpendicular to AD.

GH is parallel to IJ and KL is parallel to MN.

What type of angles are $\angle r$ and $\angle t$?



- A. Alternate exterior angles
- B. Vertically opposite
- C. Adjacent angles
- D. Corresponding angles

CORRECT ANSWER- D. Corresponding angles

EXPLANATION- According to the figure

Q.2 The measure of $\angle s = 120^\circ$. What is the measure of $\angle t$?

- a. 30°
- b. 60°

c. 90°

d. 120°

CORRECT ANSWER- b. 60°

EXPLANATION- According to the figure

Q.3 What is the measure of $\angle x$?

a. 45

b. 60

c. 90

d. 120

CORRECT ANSWER- c. 90

EXPLANATION- According to the figure

Q.4. Which of the following is true for DE and DF?

a) They are parallel

b) They intersect at A

c) They intersect at D

d) They have AD as transversal

CORRECT ANSWER - c) They intersect at D

EXPLANATION- According to the figure.

Q.5. Triangle AGH is :

- a) Acute angled Triangle
- b) Obtuse angled Triangle
- c) Right angled Triangle
- d) None of the above

CORRECT ANSWER- a) Acute angled Triangle

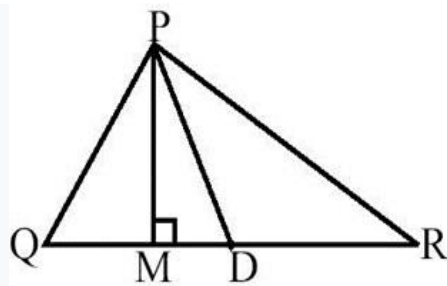
EXPLANATION- According to the figure

Q.6. If two angles are complementary, then the sum of their measures is _____.

- a) a. 30°
- b) 180
- c) 90°
- d) None of these

CORRECT ANSWER- c) 90°

EXPLANATION - sum of Complementary angles is 90.



Q 7. In $\triangle PQR$, PM is _____

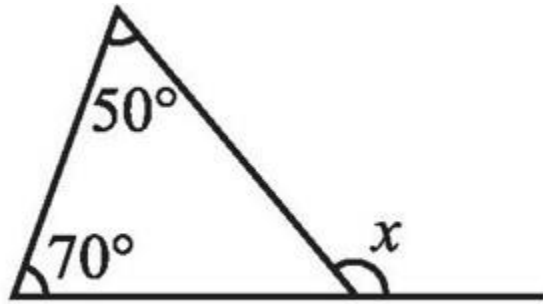
- (a) Median
- (b) Altitude
- (c) bisector

(d) side

CORRECT ANSWER- (B) altitude

EXPLANATION- According to the figure.

Q. 8. Find the value of x in the adjoining figure.



a) 50°

b) 70°

c) 120°

d) 180°

CORRECT ANSWER- (c) 120°

EXPLANATION- Exterior angles property

Q. 9. A triangle in which two sides are equal lengths is called_____.

a) Equilateral

b) Isosceles

b) Scalene

d) Acute angled triangle

CORRECT ANSWER- (b) Isosceles

EXPLANATION- By the definition

Q. 10. The sum of the lengths of any two sides of a triangle _____ the third side of the triangle.

- a) less than b) greater than
b) double d) half

CORRECT ANSWER- (b) greater than

EXPLANATION- Property of angle.

SCIENCE

CHOOSE CORRECT ANSWER FROM THE FOLLOWING

Q11- Which of the following are indicators that a chemical change has occurred in a substance ?

- (a) Irreversibility of a substance after heating .
(b)A substance breaking into smaller pieces of itself.
(C) The expansion in size of a material upon being heated .
(d) A substance not resuming it's original shape , after being pressed .

CORRECT ANSWER-(a) Irreversibility of a substance after heating

EXPLANATION- The changes occurred in chemical change are irreversible

Q.12 – A student has four solutions among which one is acidic in nature . She wants to identify the acidic solution using a litmus paper . Which of these observations would help identify the acidic solution ?

- a).Place blue litmus in the solution and see if it turns white
- b.)Place red litmus in the solution and see if it turns white
- c.)Place blue litmus in the solution and see if it turns red.
- d.Place red litmus in the solution and see if it turns blue

CORRECT ANSWER- (c) Place blue litmus in the solution and see if it turns red.

EXPLANATION--The acidic solution turns blue litmus red.

Q.13- Students in a laboratory are told not to taste any chemicals (even common salt) in th laboratory . What is the main reason ?

- a) The chemicals in the laboratory are not pure .
- b) Chemicals may have got mixed or wrongly labeled .
- c) Chemicals are very expensive and should not be be wasted .
- d) The chemicals may get spoilt if they are touched .

CORRECT ANSWER- b) Chemicals may have got mixed or wrongly labeled .

EXPLANATION- Many salts in lab look same , white in colour and if by mistake they are labeled wrongly or has been mixed with some other chemical it wil prove harmful for stuidents.

Q.14- Which of the following will result in a chemical change ?

- a) Adding curd to milk .
- b) Heating candle wax
- c) Mixing salt and water
- d) Adding water to milk

CORRECT ANSWER -a) Adding curd to milk

EXPLANATION- dding curd to milk will bring chemical change in bring and milk will convert to curd

Q.15- Brass an alloy of copper and zinc , is said to be a mixture , not a compound .
Why is it so ?

- a) Different pieces even from the same brass sample always have different physical properties .
- b) No new molecule is formed or exists in brass as compared to copper and zinc .
- c) It is easy to perfectly separate brass into its constituents – copper and zinc .
- d) A metal cannot react chemically to form a compound with any other element .

CORRECT ANSWER- b) No new molecule is formed or exists in brass as compared to copper and zinc .

EXPLANATION- Brass is an alloy of copper and zinc. It does not have a fixed composition i.e. it can contain copper and zinc in any ratio.

Q.16- Bee stings are acidic in nature. They can be neutralized using baking powder, which contains sodium hydrogen carbonate .

Find out the answers which are correct :

- i) The reaction between acid and base is called neutralization reaction .
 - ii) When ant bites , it injects the acidic liquid(formic acid) into the skin .
 - iii) Ant bite can be treated using hydrochloric acid.
 - iv) Ant bite can be treated by rubbing moist baking soda
- a) i and iii only
 - b) ii and iii only
 - c) i , ii and iii only
 - d) ii and iv only

CORRECT ANSWER- ii and iv only

EXPLANATION- because ant injects acid in our body so it cannot be treated using acid .

Q.17-When heated candle wax changes from a solid into a liquid , the molecule

- a) Absorb heat and move
- b) Absorb heat and come together
- ©Release heat and move apart .
- d)Release heat and come together .

CORRECT ANSWER- a) Absorb heat and move

EXPLANATION- when any object is heated , the molecules absorb heat , kinetic energy increases and molecules start moving

Q.18- By mistake 500 g of kabuli chana seeds and 400 g of masoor dal seeds have got mixed up . which of these methods is likely to be most effective for separating them ?

- a) Add water to the mixture and remove the masoor seeds which will float on top.
- b) Hand pick the masoor dal which looks quite different from kabuli chana seeds .
- c) Use an appropriate sieve and remove the Kabuli chana seeds which remain on it .
- d) Shake the mixture – the masoor dal will settle at the bottom and kabuli chana seeds on top .

CORRECT ANSWER- c) Use an appropriate sieve and remove the Kabuli chana seeds which remain on it .

EXPLANATION- Because sieve will filter down small seeds of masoor dal in very less time and bigger seeds of Kabuli chana will remain on the sieve .

Q.19- In which type of change , we observe change only in property of matter but no change in chemical composition ?

- a) Chemical change
- b) Physical change
- c) Both physical and chemical change
- d) None of the above

CORRECT ANSWER- b) Physical change

EXPLANATION- Physical change involves only a change in the physical state of matter . Composition and chemical properties remain same .

Q.20- Which of the following is a true statement ?

- a) Spoiling of food is a chemical and irreversible change
- b) Burning of paper is a physical and reversible change
- c) D Boiling of an egg is a physical and reversible change
- d) None of the above

CORRECT ANSWER a) Spoiling of food is a chemical and irreversible change

EXPLANATION- Chemical change always produces a new substance and cannot be reversed . Once the food is spoilt we cannot get the fresh food from it .

SOCIAL SCIENCE

Q21. Aman, a student of class VII, went to government hospital to treat his fever and cold. What is the situation he may face at hospital?

- a) A long queues
- b) Costs very high

- c) Unqualified therapist
- d) Unnecessary Tests

- **CORRECT ANSWER**- a) A long queues

EXPLANATION- Answer:- a) A long queues

Explanation:- Patients usually have to wait in long queues in government hospitals, like the picture shown on page 15 of Civics book.

Q22.. Identify the correct option that describes the statements given below.

- I. It is considered to be one of the healthiest countries in Central America.
- II. It decided not to have an army.
- III. It provided safe drinking water, sanitation, nutrition, etc. to every citizen.

- a)San Francisco
- b) Costa Rica
- c) Panama
- d) El Salvador

CORRECT ANSWER- b) Costa Rica

EXPLANATION- Explanation:- Costa Rica is considered to be one of the healthiest countries in Central America. The main reason for this can be found in the Costa Rican Constitution.

Q23. In 1996, the Kerala government made some major changes in the state. Budget was given to panchayats so that they could plan and provide for their requirements. How much amount of budget was given to panchayats?

- a) 20%
- b) 30%
- c) 40%
- d) 50%

CORRECT ANSWER- c) 40%

EXPLANATION- Explanation:- In 1996, the Kerala government made some major changes in the state. Forty per cent of the entire state budget was given to panchayats. They could plan and provide for their requirements.

Q24. Every state in India has a Legislative Assembly. Each state is divided into different areas or constituencies. The people elect one representative. What do we call these elected persons?

- a) Member of municipality
- b) Member of Parliament
- c) MLAs
- d) Mayor

CORRECT ANSWER -MLAs

EXPLANATION- Explanation:- People elect one representative who then becomes a Member of the Legislative Assembly (MLA).

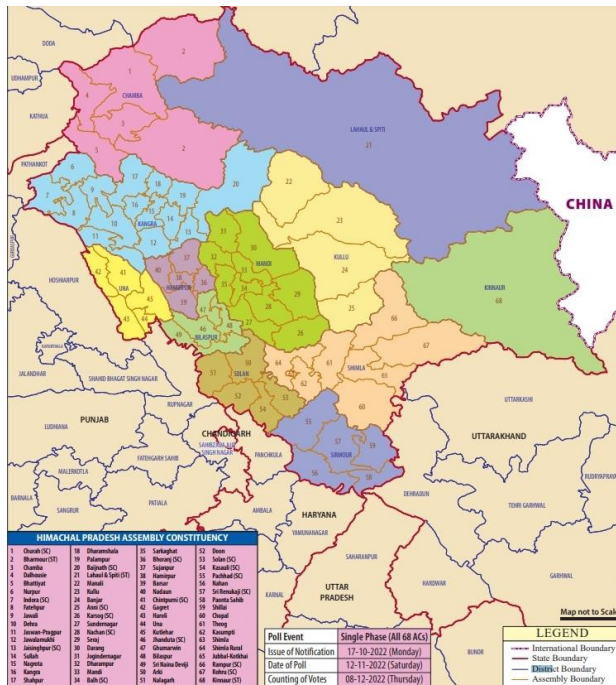
Q25. Rita, a class 7th student was discussing with her friend Ritika about working of different government departments. Who is responsible for working of schools and colleges?

- a) Home Minister
- b) Prime Minister c) Chief Minister
- d) Education Minister

CORRECT ANSWER- d) Education Minister

EXPLANATION- Education Minister is responsible for work related to schools and colleges.

Q26. Identify the correct option that describes the state given below.



- I. It has 68 constituencies.
 - II. It's capital is Shimla.
 - III. Punjab and Uttarakhand are South of this state.
- (a) Jammu and Kashmir
- b) Haryana
- c) Himachal Pradesh
- d) Uttar Pradesh

CORRECT ANSWER- c) Himachal Pradesh

EXPLANATION= The state of Himachal Pradesh is divided into 68 assembly constituencies & It's capital is Shimla.

Q27. Akbar ordered one of his close friends and courtiers, Abul Fazl, to write a history of his reign. Abul Fazl wrote a three-volume history of Akbar's reign, titled Akbar Nama. The third volume is the Ain-i Akbari. Which among the following account is given in Ain-i-Akbari about Akbar's?

- a) Religious policy

- b) Ancestors
- c) Administrative policy
- d) Personal Policies

CORRECT ANSWER- Administrative policies

EXPLANATION- The third volume is the Ain-i Akbari. It deals with Akbar's administration.

Q28. Choose the correct option among the following.

- I. Jagir's revenues were roughly equal to the salary of mansabdar during Aurangzeb reign.
- II. Zamindars were intermediaries to collect tax from peasants.
- III. Jagirs were somewhat like Iqtas.

- (a) I and II
- b) II and III
- c) Only I
- d) Only III

CORRECT ANSWER -b) II and III

EXPLANATION- By Aurangzeb's reign, this was no longer the case and the actual revenue collected was often less than the granted sum. Mughals used one term – zamindars – to describe all intermediaries, whether they were local headmen of villages or powerful chieftains. Mansabdar received their salaries as revenue assignments called Jagirs were somewhat like Iqtas.

Q29. Consider the following statements and identify in whose reign these conditions existed?

- I. Revenue collected from jagir was often less than the salary of the Mansabdar.
- II. Peasantry was suffering tremendously.

III. The number of mansabdars had increased to 79.

- a) Akbar
- b) Aurangzeb
- c) Shah Jahan
- d) Jahangir

CORRECT ANSWER - Aurangzeb

EXPLANATION- By Aurangzeb's reign, this was no longer the case and the actual revenue collected was often less than the granted sum. Aurangzeb was unable to control these developments in the last years of his reign and the peasantry therefore suffered tremendously. There was also a huge increase in the number of mansabdar which meant a long wait before they received a jagir.

Q30 Choose the incorrect option among the following.

I. The Sisodiya Rajput accepted the Mughal authority when offered.

II. Shah Jahan was the son of Akbar.

III. Babur seized Kabul in 1504.

- a) I and II
- b) I and III
- c) II and III
- d) I, II and III

CORRECT ANSWER - I and II

EXPLANATION- The Sisodiya Rajput of Mewar refused to accept the Mughal authority for a long time. Shah Jahan was the son of Jahangir. Babur seized Kabul in 1504.

ENGLISH

Q31. When Gopal dresses up like a mad man to buy Hilsa fish, what does it reveal about him in the story “Gopal and the Hilsa fish”?

- a) He is a show-off and wants to impress others
- b) He is a simple and humble person
- c) He is clever and wants no one to speak about the fish
- d) He is a proud and arrogant person

Ans. . c) He is clever and wants no one to speak about the fish

Explanation – Gopal was a wise minister of the king. He was given a challenge to bring Hilsa fish to the palace without anyone noticing him.

Q32. Why was the king angry in his court in the story “Gopal and the Hilsa fish”?

- a) Because all the courtiers caught the Hilsa fish without his permission
- b) Because Gopal dressed up to buy the Hilsa fish
- c) Because Gopal released the Hilsa fish back into the river
- d) Because all the courtiers were talking about Hilsa fish

Ans. d) Because all the courtiers were talking about Hilsa fish

Explanation—The conduct of the courtiers was against the dignity of the court.

Q33. What did the old man's ashes do to the trees in the story “The Ashes made the trees bloom”?

- a) They burned the trees to ashes
- b) They made the trees wither and die
- c) They had no effect on the trees
- d) They made the trees bloom

Ans. d) They made the trees bloom

Explanation—The ashes were magical

Q34. What is the symbolic meaning of the “trees blooming” in the story “The Ashes made the trees bloom”?

- a) Death and destruction
- b) New life and beauty
- c) Decompose and rot
- d) Decay and rebirth

Ans. b) New life and beauty

Explanation—It brought a positive change.

Q35. Read the dialogue given below and complete the blank:-

Ravi: Do you sell Flex shoes?

Shopkeeper: Yes, sir, _____ And what colour is your choice?

Ravi: I want size six. And as far as colour, I have a liking for a brown one.

- a) What size do you want?
- b) What size did you want?
- c) What was your size?
- d) What will be your size?

Ans. a) What size do you want?

Explanation—Framing question as per the response.

Q36. Choose the option which is the correct conversion of the following Direct speech: -

Deepa said, “She is my best friend.”

- a) Deepa said that “She is my best friend.”

- b) Deepa said that she is my best friend.
- c) Deepa said that she had been my best friend.
- d) Deepa said that she was my best friend.

Ans. . d) Deepa said that she was my best friend.

Explanation – Conversion of direct speech into indirect speech as per the rules.

Q.37 Mohit said to me, “I will come to pick you tomorrow.”

- a) Mohit told me that he would come to pick me the next day.
- b) Mohit told me that he would come to pick me the previous day.
- c) Mohit told me that he will come to pick me the next day.
- d) Mohit said to me that he would come to pick me tomorrow.

Ans b) To continuously urge someone to do something, often in annoying way

Explanation – It is the meaning of the word.

Q38. The word “chivvy” in the poem “Chivvy” means

- a) To help or assist someone
- b) To continuously urge someone to do something, often in annoying way
- c) To tease or mock someone
- d) To scold or reprimand someone

Ans b) To continuously urge someone to do something, often in annoying way

Explanation – It is the meaning of the word.

Q39. Fill in the blanks with correct article: -

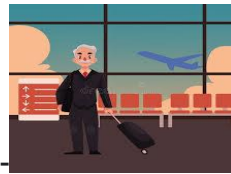
There is _____ fish in _____ bottle.



- a) The, the
- b) a, the
- c) an, an
- d) the, a

Ans. b) a, the

Explanation – Gap filling according to the rules.



Q40. Fill in the blanks with correct article: -

I saw _____ old man at _____ airport.

- a) a, the
- b) the, the
- c) an, the
- d) an, a

CORRECT ANSWER- an, the

EXPLANATION- Gap filling according to the rules.

