

KENDRIYA VIDYALAYA SANGATHAN BHOPAL REGION
COMPETENCY BASED TEST

MONTH –JULY

SUBJECT ENGLISH

READ THE PASSAGE AND ANSWER THE QUESTIONS THAT FOLLOW:

The next morning, the king's court was full of people and full of noise. Ministers, wise men, and courtiers had all gathered in the hall. The room was grand. Beautifully carved pillars reached up to the high ceiling. Sunlight came in through the open windows and lit up the costly, beautiful carpets on the floor. Even though everyone was talking and laughing, there was a heavy feeling in the air. The king sat on his decorated throne. His face looked serious, and his sharp eyes moved around the room. It was clear that the fight with the queen was still bothering him deeply.

Q1. How was the royal court described the next morning?

- a) Empty and silent
- b) Bustling with activity
- c) Dark and Gloomy
- d) Filled only with ministers

Ans. b) Bustling with activity

Q2. Choose the correct meaning of “profusely”

- a) The queen thanked him profusely.
- b) Angrily in large amounts; greatly
- c) Quietly
- d) Briefly

Ans. b) Angrily in large amounts; greatly

Q.3 What does bustling mean in “the royal court was bustling with activity.”

- a) Empty
- b) Full of noisy movement and activity
- c) Very quiet
- d) Sleeping

Ans. b) Full of noisy movement and activity

Q4. Find a word from the passage which means ‘troubled or worried continuously’.

Passage line: “It was clear that the fight with the queen was still bothering him deeply.”

- a) Serious
- b) Bothering
- c) Grand
- d) Sharp

Ans. b) Bothering

Q5. What does ‘exquisite’ mean in “the floor adorned with exquisite rugs”?

- a) Old and torn
- b) Extremely beautiful and delicate
- c) Large and heavy
- d) Cheap and simple

Ans. b) Extremely beautiful and delicate

Q6. Whose garden is described in the poem?

- a) The poet's own garden
- b) Mrs.Jones,the poet's next-door neighbour
- c) A gardener from the village
- d) The king's royal garden

Ans. b) Mrs. Jones the poet's next door neighbour

Q7. What does 'rockery' mean in the poem?

Line: "A crazy path, a lily pond, a rockery..."

- a) A shop that sells rocks
- b) A garden area where stones/rocks are arranged for decoration
- c) A path made only of rocks
- d) A pond full of stones

Ans. b) A garden area where stones/rocks are arranged for decoration

Q8. Sundial' in the poem means:

- a) A clock that runs on electricity
- b) A type of flower
- c) A garden tool
- d) A device that tells time using the position of the sun's shadow

Ans. d) A device that tells time using the position of the sun's shadow

Q9. Choose the word opposite in meaning to 'scarce'

- a) Rare
- b) Limited
- c) Abundant
- d) Insufficient

Ans. c) Abundant

Q10. Choose the correct word:

Honesty is a basic ____ that we should all follow.

- a) Principal
- b) Principle
- c) Principles
- d) Principals

Ans. b) Principle

कक्षा 8 हिन्दी CBT प्रश्न (अप्रैल 2026)

पाठ्यक्रम- कविता 'स्वदेश'

प्रश्न 1. कवि के अनुसार जिस हृदय में स्वदेश (देश) का प्यार नहीं होता, वह हृदय कैसा होता है?

- (क) लोहे के समान
- (ख) पत्थर के समान
- (ग) रुई के समान
- (घ) फूल के समान

प्रश्न 1 का उत्तर - (ख) पत्थर के समान

प्रश्न 2. "वह हृदय नहीं है पत्थर है" पंक्ति में पत्थर किसका प्रतीक है?

- (क) कठोरता और संवेदनहीनता का
- (ख) मजबूती का
- (ग) प्रेम का
- (घ) वीरता का

प्रश्न 2 का उत्तर - (क) कठोरता और संवेदनहीनता का

प्रश्न 3. प्रस्तुत कविता 'स्वदेश' का मुख्य भाव (संदेश) क्या है?

- (क) प्रकृति प्रेम
- (ख) मातृभाषा का ज्ञान
- (ग) देश के प्रति प्रेम और समर्पण
- (घ) सांसारिक मोह-माया

प्रश्न 3 का उत्तर - (ग) देश के प्रति प्रेम और समर्पण

प्रश्न 4. 'स्वदेश' कविता के रचयिता निम्नलिखित में से कौन हैं?

- (क) सोहनलाल द्विवेदी
- (ख) रामधारी सिंह 'दिनकर'
- (ग) गयाप्रसाद शुक्ल 'सनेही'
- (घ) सुभद्राकुमारी चौहान

प्रश्न 4 का उत्तर- (ग) गयाप्रसाद शुक्ल 'सनेही'

प्रश्न 5. 'हम है जिसके राजा-रानी' -इस पंक्ति में "हम" शब्द किसके लिए आया है ?

- (क) देश की नदियों के लिए
- (ख) देश की सरकार के लिए
- (ग) देश के समस्त नागरिकों के लिए
- (घ) देश के समाज के लिए

प्रश्न 5 का उत्तर- (ग) देश के समस्त नागरिकों के लिए

प्रश्न 6. 'स्वदेश' शब्द में कौन-सा उपसर्ग प्रयुक्त हुआ है?

(क) स्व-

(ख) सु-

(ग) स-

(घ) देश

प्रश्न 6 का सही उत्तर: (क) स्व-

प्रश्न 7. "वह हृदय नहीं है, पत्थर है" पंक्ति में 'हृदय' और 'पत्थर' शब्दों में कौन-सी संज्ञा है?

(क) व्यक्तिवाचक संज्ञा

(ख) भाववाचक संज्ञा

(ग) जातिवाचक संज्ञा

(घ) द्रव्यवाचक संज्ञा

प्रश्न 7 का सही उत्तर: (ग) जातिवाचक संज्ञा

प्रश्न 8. 'तलवार' शब्द का समानार्थी शब्द क्या होगा?

(क) असि

(ख) लोहा

(ग) कलवार

(घ) हथियार

प्रश्न 8 का सही उत्तर: (क) असि

प्रश्न 9. 'देशप्रेम' शब्द में कौन-सा समास है?

(क) अव्ययीभाव समास

(ख) तत्पुरुष समास

(ग) द्विगु समास

(घ) द्वंद्व समास

प्रश्न 9 का सही उत्तर: - (ख) तत्पुरुष समास

प्रश्न 10. कविता में आए शब्द 'पत्थर' का सही तत्सम रूप क्या होगा?

(क) पाहन

(ख) प्रस्तर

(ग) पाषाण

(घ) उपल

प्रश्न 10 का सही उत्तर: - (ख) प्रस्तर

COMPETENCY BASED TEST (CBT) WITH SOLUTIONS

Class – VIII

Subject – Mathematics

Month – July 2026

Syllabus –

♦ Chapter 01 - A SQUARE AND A CUBE

♦ Chapter 02 – POWER PLAY

Q-1 A number ends with 2. What can be concluded about this number?

- (a) It is a perfect square.
- (b) It is not a perfect square.
- (c) It can be a perfect square, but only if the other digits form a perfect square.
- (d) Cannot be determined.

Ans. (b) It is not a perfect square.

Explanation - Perfect squares can only end in the digits 0, 1, 4, 5, 6, or 9. A number ending in 2 cannot be a perfect square.

Q-2 A number is obtained by multiplying a number by itself three times. What can be concluded about its prime factors?

- (a) They must appear in pairs.
- (b) They must appear three times.
- (c) They must appear an even number of times.
- (d) They must be prime numbers.

Ans. (b) They must appear three times.

Explanation - Each prime factor of a number appears three times in the prime factorization of its cube.

Q-3 The smallest natural number by which 704 must be divided to obtain a perfect cube is

- (a) 22
- (b) 12
- (c) 11
- (d) 13

Ans. (c) 11

Q- 4 A square board has an area of 144 square units. How long is each side of the board?

- (a) 11 units
- (b) 12 units
- (c) 13 units
- (d) 14 units

Ans. (b) 12 units

Explanation - We know, area of square = side² Given, area of square board = 144 $\Rightarrow$ Side² = 144 $\Rightarrow$ Side = $\sqrt{144}$ = 12 units Therefore, the length of each side of the board is 12 units.

Q-5 The volume of a cubical box is 512 cubic units. The side length of the box is:

- (a) 7 units
- (b) 8 units
- (c) 9 units
- (d) 10 units

Ans. (b) 8 units

Explanation - The side length of a cube is the cube root of its volume. The cube root of 512 is 8, since $8 \times 8 \times 8 = 512$.

Q-6 A magic potion doubles its quantity every minute. If you start with a single drop, how many minutes will it take for the quantity to be 215 drops?

- (a) 15 minutes
- (b) 30 minutes
- (c) 10 minutes
- (d) 2 minutes

Ans. (a) 15 minutes

Explanation - The quantity doubles every minute. This means after 't' minutes, the quantity will be 2^t drops. We need to find 't' such that 2^t = 215.

Q-7 A scientist is observing a cell that divides into two new cells every 20 minutes. If the scientist starts with a single cell, how many cells will there be after 2 hours?

- (a) 2^6
- (b) 2^5
- (c) 6^2
- (d) 2^{20}

Ans. (a) 2^6

Explanation - There are $60/20 = 3$ divisions per hour. In 2 hours, there will be $3 \times 2 = 6$ divisions. The number of cells is 2^n , where 'n' is the number of divisions. So, after 6 divisions, there will be 2^6 cells.

Q-8 What is the value of $(20)^0 - (20)^0$?

- (a) 20
- (b) 0
- (c) 1
- (d) -20

Ans. (b) 0

Explanation - Using the rule $n^0 = 1$ for any non-zero integer n, we have $(20)^0 = 1$. So, the expression becomes $1 - 1 = 0$.

Q-9 A video game character's power level, P, is calculated as $P = 2^n$, where n is the number of missions completed. If a player completes 8 missions, what is their power level?

- (a) 64
- (b) 16
- (c) 256
- (d) 128

Ans. (c) 256

Explanation - The power level is $P = 2^n$. The number of missions completed is $n = 8$. $P = 2^8 = 256$.

Q-10 The number of seconds in a year is approximately 3.1536×10^7 . What is this number in a more common form?

- (a) 3,153,600
- (b) 31,536,000
- (c) 315,360,000
- (d) 31,53,600

Ans. (b) 31,536,000

Explanation - To convert from standard form to a number, we move the decimal point to the right by the number of places indicated by the exponent. The exponent is 7, so we move the decimal point 7 places to the right. $3.1536 \times 10^7 = 31,536,000$.

CBT SCIENCE CLASS-8

- Q1. Which tool is primarily used to observe microorganisms that cannot be seen with the naked eye?
(a) Telescope (b) Magnifying glass
(c) Microscope (d) Binoculars
- Q2. What are microorganisms that consist of a single cell called?
(a) Multicellular (b) Unicellular
(c) Macroscopic (d) Tissues
- Q3. Which microorganism is responsible for converting milk into curd?
(a) Rhizobium (b) Lactobacillus
(c) Yeast (d) Amoeba
- Q4. During fermentation, yeast and sugar produce which gas that causes dough or batter to rise?
(a) Carbon dioxide (b) Nitrogen
(c) Oxygen (d) Hydrogen
- Q5. In plant cells (like an onion peel), what is the purpose of adding a stain like safranin?
(a) To kill microorganisms on the peel (b) To protect the cell from bursting
(c) To provide energy to the cells (d) To make the cell structures and nucleus visible
- Q6. Which of the following structures is present in plant cells but completely absent in animal cells?
(a) Cell membrane (b) Nucleus
(c) Cell wall (d) Cytoplasm
- Q7. Nerve cells known as
(a) Muscle (b) Neurons
(c) Organ (d) None of these
- Q8. Amoeba is a microorganism.
(a) Unicellular (b) Multicellular
(c) No cellular (d) all of these
- Q9. Which condition is most favorable for maximum microbial activity in the decomposition of fruit waste?
(a) Dry and cold (b) Moist and warm
(c) Wet and cold (d) Dry and hot
- Q10. What turns lime water milky in the yeast experiment?
(a) Oxygen (b) Nitrogen
(c) Carbon dioxide (d) Alcohol

MARKING SCHEME SCIENCE CLASS-8

- | | |
|-----------|------|
| Ans: 1-c, | 6-c, |
| 2-b, | 7-b, |
| 3-b, | 8-a, |
| 4-a, | 9-b, |
| 5-d, | 10-c |

TWAU CBT APRIL,2026

1. A village starts rainwater harvesting to save water. This practice helps in:

- A) Increasing water pollution
- B) Conserving natural resources
- C) Reducing soil fertility
- D) Increasing wastage

2. A farmer plants trees around his field. This will mainly help in:

- A) Soil conservation
- B) Increasing air pollution
- C) Reducing rainfall
- D) Destroying biodiversity

3. The best way to reduce the use of natural resources is:

- A) Use more and waste more
- B) Follow the 3Rs (Reduce, Reuse, Recycle)
- C) Cut more forests
- D) Increase mining

4. A town's population increases rapidly, and groundwater levels start decreasing. Which action would be the most effective long-term solution?

- A) Digging more borewells
- B) Using more groundwater pumps
- C) Rainwater harvesting and water conservation
- D) Bringing water only from rivers

5. A country uses coal faster than it is formed naturally. Which statement is correct?

- A) Coal is an unlimited resource
- B) Coal is a renewable resource
- C) Coal may get exhausted in the future
- D) Coal can be produced within days

6. A historian studies the Delhi Sultanate and finds that rulers had to fight both internal rebellions and external attacks. This shows that the Sultanate needed:

- A) A strong military and efficient administration
- B) Only religious reforms
- C) Less control over provinces
- D) Complete independence of nobles

7. The Vijayanagar Empire built a strong economy mainly by controlling agriculture, trade, and irrigation. This shows that the rulers focused on:

- A) Only military expansion
- B) Sustainable administration and economic growth
- C) Ending foreign trade
- D) Reducing agricultural production

8. The Battle of Talikota (1565) was a turning point in the history of the Vijayanagar Empire because it:

- A) Expanded the empire's territory
- B) Led to the decline of Vijayanagar's political power
- C) Increased the strength of the empire permanently
- D) Ended conflicts in South India

9. Guru Gobind Singh's creation of the Khalsa strengthened society by promoting:

- A) Social equality and resistance against injustice
- B) Caste differences and inequality
- C) Complete rejection of education
- D) Dependence on rulers

10. The Battle of Haldighati (1576) is remembered in history because it showed:

- A) The conflict between Mewar and the Mughal forces
- B) The beginning of the Delhi Sultanate
- C) The establishment of Vijayanagar Empire
- D) The end of Rajput kingdoms

Answer

1. B, 2. A, 3. B, 4. C, 5. C, 6. A, 7. B, 8. B, 9. A, 10. A