



# MACRO VISION ACADEMY, BURHANPUR

## SAMPLE ENTRANCE TEST PAPER 2017-18

Class: IX

Time: 3 hrs

M.M.:100

### ENGLISH (20)

**Q.1 Read the following passage carefully and answers the questions given below:**

I have often thought it would be a blessing if each human being was stricken blind and deaf for a few days at some time during his adult life. Darkness would make him more appreciative of sight, silence would teach him the joy of sound. Now and then I have tested my seeing friends to discover what they see. Recently I asked a friend, who had just returned from a long walk in the woods, what she has observed. 'Nothing in particular,' she replied. How was it possible I asked myself to walk for an hour through the woods and see nothing worthy of note. I, who cannot see find hundreds of things to interest me through mere touch. I feel the delicate symmetry of leaf. I pass my hands lovingly about the smooth skin of a silver birch or the rough, shaggy bark of a pine. In spring I touch the branches of trees hopefully in search of a bud, the first sign of awakening nature after her winter's sleep. Occasionally if I am fortunate & place my hand gently on a small tree and feel the happy quiver of a bird in full song. At times my heart cries out with longing to see all these things. If I can get so much pleasure from mere touch, how much more beauty must be revealed by sight. And I have imagined what I should must like to see if I were given the use of my eyes, say, just for three days.

I should divide the period into three parts. On the first day, I should want to see the people whose kindness and gentleness and companionship have made my life worth living. First I would like to gaze upon the face of my dear teacher, Mr. Anne Sullivan Macy. She came to see me when I was a child. She opened the other world for me.

**Answer the following questions:**

5

1. What would make one's blindness more appreciative of sight?  
(a) Blackness                      (b) Darkness                      (c) Whiteness                      (d) Joyfulness
2. What would silence teach one's deafness?  
(a) Joy of music                      (b) Joy of voice                      (c) Joy of sound                      (d) Joy of speaking
3. Where did her friend go?  
(a) in a village                      (b) in a city                      (c) in a town                      (d) in a wood
4. How could Helen Keller find hundreds of thing ?  
(a) by mere touch                      (b) by voice                      (c) by sound                      (d) by listening
5. Whom would she like to see first if she was given sight?  
(a) Her father                      (b) Her teacher                      (c) Her brother                      (d) Her mother

**Q.2 Write a paragraph on 'If I could invent a new toy, what kind of toy would I create and why?' 4**

**OR**

**'The Best Day of My Life'**

**Q.3 Write a letter to the Editor of a newspaper, complaining about the irregular water supply in your locality. You are Harish living at H-219 Deen Bagh Colony, Hyderabad. 4**

**Q.4 Choose the suitable prepositions to fill in the blanks. 2**

1. The child responded to his mother's demands \_\_\_\_\_ throwing a tantrum.

(a) with (b) by (c) from

2. My best friend, John, is named \_\_\_\_\_ his great-grandfather.

(a) after (b) to (c) about

3. It's been snowing \_\_\_\_\_ Christmas morning.

(a) since (b) for (c) until

4. I will wait \_\_\_\_\_ 6:30, but then I'm going home.

(a) from (b) at (c) until

**Q.5 Rewrite the sentences in reported speech. Change pronouns and time expressions where necessary. 2**

1. They said, "We are busy."

→ They said that \_\_\_\_\_

2. He said, "I know a better restaurant."

→ He said that \_\_\_\_\_

3. He said, "I will ring her."

→ He said that \_\_\_\_\_

4. She said, "I did not say that."

→ She said that \_\_\_\_\_

**Q.6 Choose the correct options for the given sentences. 1**

1. Joe and Jim (have/has) been friends for a long time. They (is/are) neighbours.

2. Each of the barrels (is/are) full. Each one (need/needs) to be inspected.

**Q.7 Change the sentences into passive voice. 1**

1. Who taught English ?

2. I am reading an interesting story.

**Q.8 Expand the underlined words into phrases. 1**

1. That was a horrible sight.

2. She speaks politely.

**MATHEMATICS (40)**

**Q.9 Choose the correct answer: 10**

1. The side of a cube whose surface area is  $726\text{cm}^2$  is \_\_\_\_\_

(a) 10 cm (b) 11 cm (c) 12 cm (d) 13 cm

2. The area of a rhombus whose diagonals are 16cm and 21 cm is \_\_\_\_\_

- (a)  $336 \text{ cm}^2$                       (b)  $168 \text{ cm}^2$                       (c)  $64 \text{ cm}^2$                       (d)  $128 \text{ cm}^2$
3. The quadrilateral whose diagonals do not bisect each other is \_\_\_\_\_  
 (a) Square                      (b) Rhombus                      (c) Rectangle                      (d) Kite
4. If the weight of 6 sheets of paper is 50 gm, the number of sheets of the same paper that would weight 1 kg is \_\_\_\_\_  
 (a) 120                      (b) 60                      (c) 75                      (d) 100
5. The ratio of 2 : 5 can be written in percentage as  
 (a) 40%                      (b) 20%                      (c) 50%                      (d) 30%
6. I think of a number and subtract  $\frac{5}{2}$  from it, I multiply the result by 8 and the result I finally obtain is 3 times the same number. I thought of the number is  
 (a) 4                      (b)  $\frac{20}{11}$                       (c)  $\frac{1}{2}$                       (d) 2
7. The value of  $63x^3y^3z^5 \div (-7xy^2z^3)$  is  
 (a)  $9x^2yz^2$                       (b)  $-9x^2yz^2$                       (c)  $-9x^4y^5z^8$                       (d)  $9x^4y^5z^8$
8. 6057 is divisible by  
 (a) 3 only                      (b) 9 only                      (c) 3 and 9                      (d) Neither 3 nor 9
9. The product of two number is  $\frac{-3}{25}$ . If the one of the numbers is  $\frac{5}{12}$ , the other is  
 (a)  $\frac{-1}{20}$                       (b)  $\frac{-36}{125}$                       (c)  $\frac{36}{125}$                       (d)  $\frac{89}{360}$
10. The value of  $(1^{-2} + 2^{-2} + 3^{-2})^0$  is  
 (a)  $\frac{1}{12}$                       (b) 36                      (c)  $\frac{1}{36}$                       (d) 1

**Q.10 Solve the following:**

**2×6=12**

1. Divide the sum of  $\frac{-13}{5}$  and  $\frac{12}{7}$  by the product of  $\frac{-31}{7}$  and  $\frac{1}{2}$ .
2. Find the value of x, if  $6x = 23^2 - 17^2$ .
3. 11 men can dig metre  $6\frac{3}{4}$  metre long trench in one day. How many men should be employed for digging 27 metre long trench of the same type in one day?
4. 72% of 25 students are good at mathematics. How many are not good at it.
5. Multiply  
 $(2x^2 - 3x + 5)$  by  $(5x + 12)$
6. Find the square root of  $\frac{625}{1296}$

**Q.11 Solve the following: (Any-6)**

**3×6=18**

1. The four angles of a quadrilateral are in the ratio 3 : 5 : 7 : 9. Find the angles.
2. If the area of a trapezium is  $28\text{cm}^2$  and one of its parallel sides is 6cm, find the other parallel sides if its altitude is 4 cm.

3. Find the compound interest on Rs. 12000 for 3 years at 10% per annum compounded annually.
4. A boy buys 9 apples for Rs. 9.60 and sells them at 11 for Rs. 12. Find his gain or loss percent.
5. A garden has 2000 trees. 12% of them are mango trees, 18% lemon and the rest are orange trees. Find the number of orange trees.
6. The sum of length, breadth and height of a cuboid is 19 cm and the length of its diagonal is 11cm. Find the surface area of the cuboid.
7. Factorize:
  - (a)  $x^2 + 5x + 6$
  - (b)  $25x^2 - 36y^2$
  - (c)  $ax + by + ay + by$

**SCIENCE**

**(18)**

**Q.12 Fill in the blanks.**

**4X1/2=2**

1. Base raw material ton rayon is -----
2. Metal used in galvanizing is -----
3. Friction is the force that opposes -----
4. Bins, Silos and granaries are used to store -----

**Q.13 Match the following.**

**4X1/2=2**

- |                |   |               |
|----------------|---|---------------|
| 1. Bacillus    | - | Salt solution |
| 2. Electrolyte | - | Pascal        |
| 3. Hertz       | - | Rod shaped    |
| 4. Pressure    | - | Frequency     |

**Q.14 Define the following terms.**

**4X1=4**

1. Endemic species
2. Electroplating
3. Fertilization
4. Irrigation

**Q.15 Answer the following.**

**5X2=10**

1. List out the steps in agricultural practices.
2. State two laws of reflection.
3. What are the requisites of combustion?
4. What is polymerization?
5. Write the difference between metals and nonmetals?

**SOCIAL SCIENCE**

**(12)**

**Q.16 Choose the correct answers.**

**4**

1. Haider Ali was the ruler of----- .
 

a)Bengal	b) Delhi	c)Mysore	d)Bombay
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2. ----- continued to fight a guerrilla war against British.
 

a) Rani Laxmi bai	b)Tantia Tope	c)Nana Saheb	d)Peshwa BajiRao II
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3. What does DCP refer to?
 

a) Delhi commissioner of police	b) Delhi Centre Park
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c)Deputy Commissioner of police d)None of these

4. Gold is an example of----- minerals.

a)Ferrous b)Non-ferrous c)both (a)and(b) d)None of these

**Q.17 Answer the following questions :( any 4) (8)**

1. What was the demand of Rani Laxmibai of Jhansi that was refused by the British ?

2. Can a gift of nature become a resource in the future ?How?

3. Why did British need a large army?

4. Write some reasons for land degradation today?

5. What does the Domestic Violence Act include?

### हिंदी (10)

**प्र.18** निर्देशानुसार उत्तर दीजिए ।

(5x1=5)

1. पानी परात को हाथ छुयो नहीं, नैनन के जल सो पग धोये ।

क. अनुप्रास ख. रूपक ग. अतियोक्ति घ. यमक

2. अनुसूचित शब्द में उपसर्ग बताइए ।

क. अ ख. अनु ग. सूचित घ. सूचना

3. मैं मेहनत से पढ़ता हूँ। रेखांकित कारक का प्रकार चुनिए ।

क. कर्ता ख. कर्म ग. करण घ. संप्रदान

4. 'माखन चुरानेवाला' के लिए एक शब्द दीजिए ।

क. माखनचोर ख. हरी ग. सूरज घ. निरधर

5. मधुकर का पर्यायवाची शब्द क्या होगा?

क. भौरा ख. राका ग. इंदु घ. सूर्य

**प्र.19** शुल्क माफ कराने के लिए प्राचार्य को प्रार्थना पत्र लिखिए ।

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#### अथवा

आगामी छुट्टियों में अपने मित्र को अपने यहाँ आने का निमंत्रण देते हुए पत्र लिखिए ।