Ei CARES

Maths

QUESTION PAPER

Maximum Marks:40

PERIODIC TEAT-1 T

CLASS	SECTION	EXAM CODE
6	ROSE	4202961
6	TULIP	4202951

SCHOOL

Him Academy Public School - Hira Nagar

1. There are 28 questions in this paper. 20 of these are with options and 8 are without options. All are compulsory.
2. The questions with options carry 1 mark each. The marks for questions without options have been mentioned beside it.
3. Please check your answers carefully before submitting the test. Once submitted, the answers cannot be changed.

SECTION A

Q: 1 It is estimated that over 420 million copies of the book, 'Harry Potter and the Deathly Hallows' written by J. K. Rowling, have been sold worldwide since it was published in July 2007.

Which of these is the same as 420 million?

1 4.2 lakhs   **2** 42 lakhs   **3** 42 crores   **4** 4 crore 20 lakhs

Q: 2 What number should come in place of X?

1 2501   **2** 2510   **3** 2600   **4** 2996

Q: 3 The milometer of a car shows the total number of kilometres covered by the car.

What will the milometer above show after the car has covered one more kilometre?

1 03100   **2** 04000   **3** 04099   **4** 30991

Q: 4 In the International System of numbers, 'ten lakh' is read as one million. In this system, two crores, fifteen lakhs, nine thousand, four hundred ten will be read as:

1 Twenty one million, fifty nine thousand, four hundred ten.
2 Two million, one hundred and fifty nine thousand, four hundred ten.
3 Twenty one million, five hundred and nine thousand, four hundred ten.
4 Twenty one million, five hundred and ninety thousand four hundred ten.

Q: 5 What will be the standard numeral form for the given expanded notion?
8,00,00,000 + 3,00,000 + 40,000 + 5,000 + 700 + 2

1 8,34,572   **2** 83,45,702   **3** 8,03,45,702   **4** 8,30,45,702

Q: 6 Mukesh creates the smallest 5-digit number possible using each of the digits 1, 5, 0 and 2 atleast once.

Which digit will come in the ones place?

1 5   **2** 2   **3** 1   **4** 0

2

Q: 7 **The following numbers are arranged in increasing order.**

6,09,292; 6,09,922; 6,90,229; _____; 6,98,990

Which of these could be the number in the blank?

1 69,709   **2** 6,90,189   **3** 6,91,200   **4** 6,99,090

Q: 8 **In which of the following are the commas placed correctly according to the International system of numeration?**

1 99,90,00,00   **2** 9,99,00,000   **3** 99,900,000   **4** 999,000,00

Q: 9 **Which of the following is equivalent to Ninety crore?**

1 Ninety million   **2** Nine hundred lakh
3 Nine hundred million   **4** Ninety hundred thousand

Q: 10 **A television costs Rs 35250. A shopping mall installs 35 such televisions.**

How much money did the shopping mall spend on televisions?

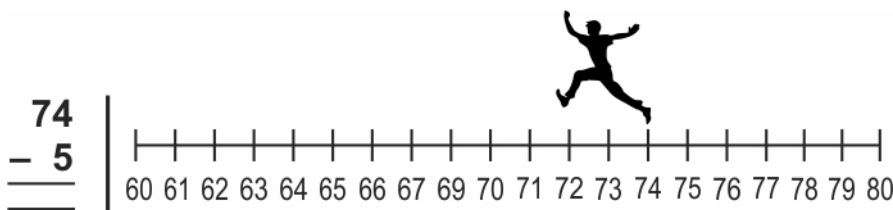**1** Rs 282000   **2** Rs 1001550   **3** Rs 1233750   **4** Rs 1868250

Q: 11 **Look at the number line below.**
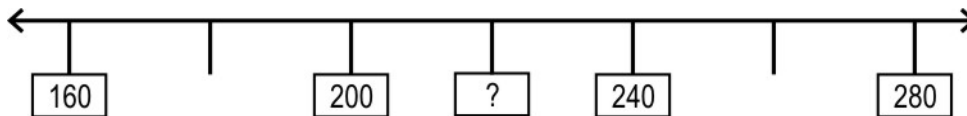
Which of these numbers will come in the box?

1 20   **2** 210   **3** 220   **4** 230

Q: 12 **Raju subtracted 5 from 74 using the number strip shown below.**

74
− 5
———

60 61 62 63 64 65 66 67 69 70 71 72 73 74 75 76 77 78 79 80

The answer he got is:

1 69   **2** 70   **3** 78   **4** 79

Q: 13 **Which of the following is the successor of the greatest 2-digit number?**

1 100   **2** 99   **3** 98   **4** 11

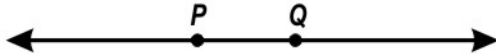**Q: 14** **Which of these is the predecessor of 90000000?**

1 99999999   **2** 90000001   **3** 89999999   **4** 80000000

Q: 15 **Which of the following shapes has exactly four interior angles?**

1 a triangle   **2** a quadrilateral   **3** a pentagon   **4** a hexagon
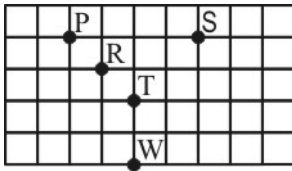
Q: 16

What is the intersection of rays PQ and QP in the figure above?

1 line segment PQ   **2** line PQ   **3** point P   **4** point Q
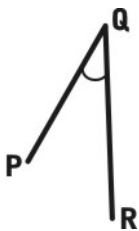
Q: 17

Three of the points on the grid above can be connected to make 1 line segment. Which 3 points are they?

1 Points P, R, and W   **2** Points S, T, and W
3 Points P, R, and T   **4** Points S, R, and T

Q: 18 **Which of the following will change the degree measure of angle PQR?**

1 rotating the entire angle PQR clockwise by 10°
2 increasing the length of arm QP
3 increasing the length of arm QR
4 rotating arm QP clockwise by 10°, keeping arm QR fixed

Q: 19 **Which of these is an OPEN figure?**

Figure 1   Figure 2   Figure 3   Figure 4

1 Figure 1   **2** Figure 2   **3** Figure 3   **4** Figure 4

Q: 20 **Which among the figures shown below is/are polygon(s)?**

Figure 1   Figure 2   Figure 3
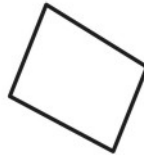
1 only Figure 2   **2** only Figure 3
3 only Figure 2 and 3   **4** all - Figure 1, Figure 2 and Figure 3

SECTION B

Q: 21 **i) How many 50-rupee notes make a sum of Rs 12,050?**   **[2]**
ii) State whether the following statement is True or False. Give a reason for your answer.

**"It is not possible to have Rs 12,050 in ALL 100-rupee notes."**

Show your work.

Q: 22 **Write true or false. If false, rewrite the correct statement and if true, justify it.**   **[2]**

50 lakhs greater than 3,12,43,862 is 8,12,43,862.

Q: 23 Match each diagram in column I with exactly one description in column II. **[2]**

Column I	Column II
a) •P •P (with arrow to Q) •Q	(i) A point and a line segment
b) P Q (line), P (ray)	(ii) A ray and line segment
c) P↑ Q↓ P• •Q	(iii) A ray and a line
d) •P P——Q	(iv) A line and a line segment

Q: 24 Chirag is asked to name 2 angles in the given figure. **[2]**
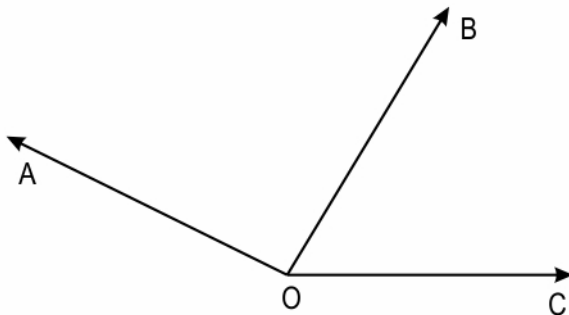
i) He names the angles as OC and OB. Did he name them correctly?
ii) If yes, give a reason. If no, name the angles.

SECTION C

Q: 25 On a certain day: **[3]**

- Ridima used 2048 MB data on her phone.
- Priyanka used twice as much data as Ridima.
- Vinayak used 500 MB more data than Ridima.

How much data did they use altogether on that day? Show your steps.

**Q: 26** Shown below is the population of 5 Indian cities as per a population report.   **[3]**

City	Population
Mumbai	12691836
Hyderabad	6809970
Bengaluru	8443675
Delhi	10927986
Ahmedabad	6357693

(Source of data: https://worldpopulationreview.com/countries/cities/india)

i) Write the population of the cities in ascending order.

ii) Write the number name of the population of Mumbai city in Indian system of numeration.

iii) What is the place values of the digits '7' and '8' in the population of Delhi?

Show your work.

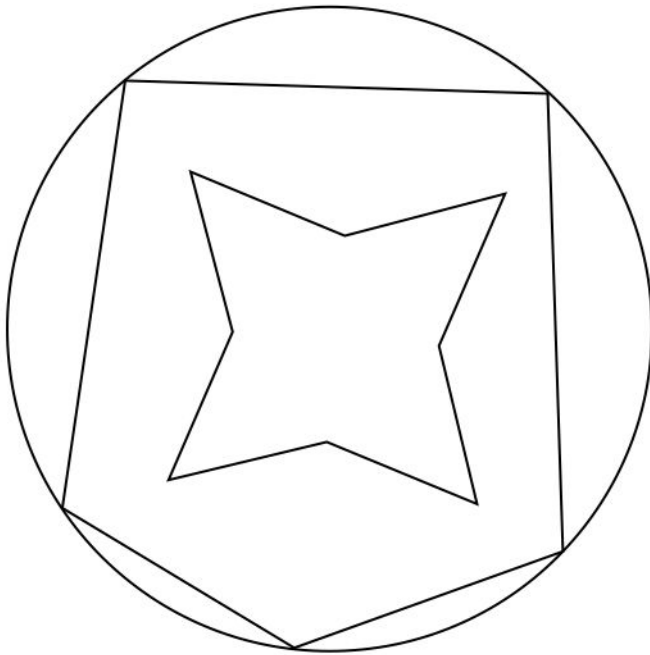**Q: 27** Shown below is a part of a number line. Q is exactly in between P and R.   **[3]**
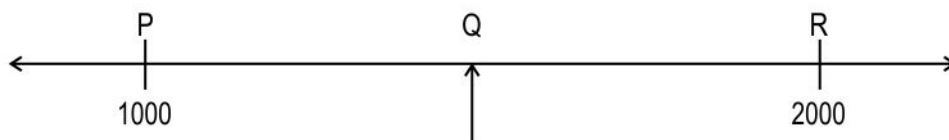
i) What number does Q represent?

ii) Copy the above number line on your paper and represent 12 hundreds on it.

iii) Copy the above number line on your paper and represent (2000 - 50) on it.

Q: 28 **Look at the figure below.**   **[3]**

State true or false for the following statements. Justify your answer by drawing, if required.

i) There are 0 vertices in the circle shown above.

ii) There are 5 diagonals in a pentagon shown above.

iii) The innermost polygon shown above has 4 angles.

End of Questions in Paper