

02.07.19 EVERWIN VIDHYASHRAM  
Std: IX SOCIAL TT  
(CAP, DYN, BLIS, ELE, MAJ) MARKS: 25

I. Answer in one word:  $10 \times \frac{1}{2} = 5$

1. India holds \_\_\_\_\_ position in the world in terms of areas.
2. Standard Meridian of Indian passing through Mirzapur is taken as the \_\_\_\_\_ for the whole country.
3. India has a land boundary of about \_\_\_\_\_ km.
4. From Gujarat to Arunachal Pradesh there is a \_\_\_\_\_ of two hours.
5. \_\_\_\_\_ is separated from India by a narrow channel.
6. The neighbouring country located in the west of India is \_\_\_\_\_.
7. Which is the smallest state in India?
8. The opening of \_\_\_\_\_ reduced the India's distance from Europe.
9. \_\_\_\_\_ island is situated to the south of the Lakshadweep Islands.
10. The \_\_\_\_\_ influences the duration of day and night.

II. Answer Briefly:  $5 \times 3 = 15$

1. When did the Suez Canal start functioning and how did it benefits India?
2. Which ideas from India reached the world?
3. What is the time lag between Arunachal Pradesh and Gujarat? How a uniform time set to all places?
4. Describe the location of India in 3 points.
5. Describe the latitude and longitude extent of India? Define latitude and longitude?

III. Answer in detail:  $1 \times 5 = 5$

1. Write briefly about the Neighbouring countries of India.

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Std: IX MATHS TT  
(CON, CHEER, EXCE, BRIL) MARKS: 25

I. Answer the following:  $4 \times 1 = 4$

1. Zero of the zero Polynomial is \_\_\_\_\_.
2. The expansion for  $(x-y)^2$  is \_\_\_\_\_.
3. The number 0 is called a \_\_\_\_\_.
4. The zeros of the Polynomial  $x^2 + 2x + 3$  are \_\_\_\_\_.

II. Answer the following:  $2 \times 2 = 4$

5. How many terms are there in each of the following Polynomials? Write them for each Polynomial.  
i)  $3x^2 - 5x + 7$  ii)  $3 - 2x$
6. Find the zero of the Polynomial  $Px + q + r$ .

III. Answer the following:  $3 \times 3 = 9$

7. If  $P(x) = x^2 - 4x + 3$ , evaluate  $P(2) - P(-1) + P(\frac{1}{2})$ .
8. Verify whether the following are zeros of the Polynomial, indicated against them  $P(x) = 5x - \pi$ ,  $x = \frac{4}{5}$
9. Find  $P(0)$ ,  $P(1)$  and  $P(2)$  for the given Polynomial  $P(x) = (x-1)(x+1)$ .

IV. Solve:  $4 \times 2 = 8$

10. Using long division method, find its quotient and remainder.  
 $3x^4 - 4x^3 - 3x - 1$  by  $x-1$ .
11. Determine whether the indicated numbers are zeros of the given Polynomial?