

SET
A

Full Marks: 35

Marks: 10

$$1 \times 10 = 10$$

Choose the correct answer from the following:

1. What is the value of $3^2 + 4^2$?
 - a. 5
 - b. 7
 - c. 9
 - d. 25
2. If a triangle has angles measuring 30° , 60° , and 90° , what type of triangle is it?
 - a. Equilateral
 - b. Isosceles
 - c. Scalene
 - d. Right angle
3. What role does education play in community development?
 - a. It creates division within the community
 - b. It promotes ignorance and prejudice
 - c. It empowers individuals and contributes to overall progress
 - d. It has no impact on community well-being.
4. What is the importance of community engagement?
 - a. It fosters isolation among community members.
 - b. It promotes unity and collaboration.
 - c. It encourages competition and division.
 - d. It has no impact on community well-being.
5. Which of the following is a prime number?
 - a. 6
 - b. 11
 - c. 15
 - d. 20
6. What is the formula for the area of a rectangle?
 - a. Length $\times$ Width
 - b. πr^2
 - c. $1/2 \times \text{Base} \times \text{Height}$
 - d. πd
7. Which of the following is NOT a type of triangle?
 - a. Isosceles
 - b. Equilateral
 - c. Quadrilateral
 - d. Scalene
8. Which of the following is NOT a characteristic of a healthy community?
 - a. Low crime rates
 - b. Accessible healthcare services
 - c. High unemployment rates
 - d. Clean environment

9. What is the importance of volunteering in a community?
- a. It only benefits the volunteer.
 - b. It promotes a sense of belonging and unity.
 - c. It leads to financial gain for the volunteers.
 - d. It creates division and conflict within the community.
10. Which of the following is NOT a factor affecting community health?
- a. Access to healthcare facilities
 - b. Education level
 - c. Economic status
 - d. Political ideology

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(Descriptive)

Time : 1 hr.15 mins.

Marks: 25

[Answer question no.1 & any two (2) from the rest]

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| 1. | Mention the few programme for the realization of mathematics enhancing community lifestyle. | 5 |
| 2. | Write 10 points "What are the reasons why mathematics is important" in every bodies life. | 10 |
| 3. | Write a short note on involvement of mathematics in day to day life in culturally rich society. | 10 |
| 4. | How you will organizing literacy camps and group discussion, by organizing mathematical competitions, quiz games, and puzzles among school students. | 10 |
| 5. | Write a brief notes on appreciation and understanding of Mathematics in Community life. | 10 |

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