

SAMAGRA SHIKSHA, KERALA FIRST TERMINAL EVALUATION 2022-23

E803

MATHEMATICS

STD- VIII

Time: 11/2 Hours Score: 40

Instructions

- · Read the instructions before answering the questions
- Give explanations wherever necessary
- · First 15 minutes time is cool off time

Answer any 4 Questions from 1 to 6. Each question carries 2 scores.

 $(4 \times 2 - 8)$

- 1. In the figure, AB = QR, BC = PR, AC = PQ, $\angle A = 50^{\circ}$, $\angle B = 60^{\circ}$
 - (a) What is the measure of ∠C?
 - (b) What is the measure of ∠P?



- 2 added to three times a number gives 32. What is the number?
- In a polygon with all angles equal, one inner angle is 144°.
 - (a) What is the measure of one outer angle?
 - (b) How many sides does it have?
- In the figure, AB = BC and ∠A=40°
 - (a) What is the measure of ∠C?
 - (b) What is the measure of ∠B?
- 5. If 6(x-2) = 3(x+1), find 'x'.



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