SSLC Examination, March - 2023 Mathematics (English)

Time Allowed: 21/2 Hours

Maximum Marks: 80

INSTRUCTIONS:

Read the following instructions carefully and follow them:

- Read each question carefully before answering.
- Give explanations wherever necessary:
- First 15 minutes is cool-off time. You may use this time to read the questions and plan your answers.
- No need to simplify irrationals like √2. √3, π etc, using approximations unless you are asked to do so.

Score 3×2=6

Answer any 3 questions from 1 to 4. Each question carries 2 scores.

1. 7, 13, 19,... is an arithmetic sequence.

- (a) What is its common difference?
- (b) Find its 11th term.

Explanation:

a)

$$d = a_1 - a$$

$$d = 13 - 7$$

$$d = 6$$

b)

$$a_1 = 7, d = 6,$$

$$n = 11 \ a_n = a + (n-1)d$$

$$a_{11} = 7 + (11 - 1)6$$

$$a_{11} = 7 + 10 \times 6$$

Maths Question Paper For Class Kerala State Syllabus

Sir Stanley Reed

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