General Instructions:

1. This question paper consists of **15 multiple-choice questions (MCQs)**.

2. Each question carries **1 mark**. The maximum marks for this test are **15**.

3. The total time allowed to complete this test is **20 minutes**.

4. All questions are compulsory.

5. Each question has **four options (A), (B), (C), and (D)**. Only one option is correct.

6. Students must choose the **most appropriate option** for each question.

7. No marks will be deducted for incorrect answers.

8. Calculators and other electronic devices are **not permitted**.

9. Rough work should be done neatly in the space provided (if any).

10. Read each question carefully before answering.

General Instructions:

1. This paper contains 15 Multiple Choice Questions (MCQs).

2. All questions are designed for advanced conceptual testing.

3. Choose the single correct option for each question.

Q.1 A sum of money lent at Simple Interest amounts to Rs.7,830 in 2 years and to Rs.9,072 in 3 years. Find the rate percent per annum.

(a) 15%

(b) 18%

(c) 20%

(d) 22%

Q.2 If the Simple Interest on Rs.x for a years at $r\%$ is the same as that on Rs.y for b years at $s\%$, then $x : y$ is equal to:

(a) $ar : bs$

(b) $bs : ar$

(c) $as : br$

(d) $br : as$

Q.3 A man deposits Rs.15,000 in a bank. He withdraws Rs.3,000 at the end of each year. What will be the total interest he earns at the end of 3 years if the rate is 5% p.a.?

(a) Rs.2,250

(b) Rs.1,800

(c) Rs.1,500

(d) Rs.1,950

Q.4 A certain sum of money doubles itself in 5 years. In how many years will it become 8 times itself at the same rate of Simple Interest?

(a) 20 years

(b) 35 years

(c) 40 years

(d) 15 years

Q.5 A sum of Rs.2,400 amounts to Rs.3,264 in 4 years at a certain rate of Simple Interest. If the rate is increased by 1%, what will be the new amount?

(a) Rs.3,360

(b) Rs.3,400

(c) Rs.3,384

(d) Rs.3,312

Q.6 Out of a certain sum, $\frac{1}{3}$ is invested at 3%, $\frac{1}{6}$ at 6% and the rest at 8%. If the annual interest is Rs.300, find the sum.

(a) Rs.5,000

(b) Rs.6,000

(c) Rs.4,500

(d) Rs.5,500

Q.7 The Simple Interest on a sum of money is $\frac{1}{16}$ of the principal. If the number of years is equal to the rate percent, find the rate.

(a) 2.5%

(b) 3%

(c) 4%

(d) 5%

Q.8 What sum will yield Rs.406 as Simple Interest in 6 years 4 months at 4.5% per annum?

(a) Rs.1,400

(b) Rs.1,425

(c) Rs.1,350

(d) Rs.1,450

Q.9 A person borrows Rs.5,000 for 2 years at 4% p.a. He immediately lends it to another person at 6.25% p.a. for 2 years. Find his total gain in the whole transaction.

(a) Rs.112.50

(b) Rs.225

(c) Rs.450

(d) Rs.150

Q.10 At what rate of Simple Interest will the amount be Rs.1,320 in 2 years and Rs.1,560 in 5 years?

(a) 5%

(b) 8%

(c) 6.5%

(d) 7%

Q.11 The interest on a certain sum of money is Rs.210 in 2 years and Rs.350 in 3 years 4 months. Is the rate of interest constant? If so, find the sum.

(a) Rs.1,050

(b) Rs.2,100

(c) Rs.1,500

(d) Rs.1,200

Q.12 A sum of money becomes $\frac{5}{4}$ of itself in 5 years. Find the rate of interest.

(a) 4%

(b) 5%

(c) 6%

(d) 8%

Q.13 If the rate of interest increases from 10% to 12.5%, a man's annual income increases by Rs.1,250. His principal is:

(a) Rs.50,000

(b) Rs.45,000

(c) Rs.60,000

(d) Rs.40,000

Q.14 In what time will Rs.5,600 amount to Rs.6,720 at 8% per annum Simple Interest?

(a) 2 years

(b) 2.5 years

(c) 3 years

(d) 3.5 years

Q.15 The Simple Interest on a sum of money for 3 years is Rs.240 and for 5 years is Rs.400. Find the sum if the rate is 4% p.a.

(a) Rs.2,000

(b) Rs.2,500

(c) Rs.1,800

(d) Rs.2,200

— End of Question Paper —