Course: M.S. in Library and Information Science

SAMPLE QUESTION PAPER
Test Code: PLA (Forenoon)

This test consists of two parts:

> Part A: *Test of Quantitative Ability.*

> Part B: *Test of Reasoning Ability.*

This test contains 30 questions in all. Some sample questions are given below.

Part A: Test of Quantitative Ability

1. 16 years ago my grandfather was 9 times older than me. He will be 3 times of my age after 8 years from now. What was the ratio of my age to that of my grandfather's age, 8 years ago?
A. 3:8
B. 1:2
C. 2:5
D. 1:5

2. Find the x-intercept of the curve y = 2log(√(x -1) -2)
A. 5
B. 7
C. 10
D. 13

3. A two digit number is five times the sum of its digits. If 9 is added to the number, the digits interchange their positions. The sum of the digits of the number is:

A. 9
B. 11
C. 7
D. 6

4. A sample of 50 litres of glycerine is found to be adulterated to the extent of 20%. How much pure glycerine should be added to it so as to bring down the percentage of impurity to 5%?
A. 152
B. 150
C. 151
D. 149

5. A loss of 19% gets converted into a profit of 17%. When the selling price is increased by Rs. 162, find the cost price of the article.
A. 450
B. 360
C. 540
D. 630

Part B: Test of Reasoning Ability

1. *The following question (17) is accompanied by two statements I and II. You have to determine which of the conclusion/s is/are true.*
Statements:
I. Some cows are crows.
II. Some crows are elephants.
Conclusions:
1) Some cows are elephants.
2) All crows are elephants.

A. Neither (1) nor (2) is true
B. Both (1) and (2)are true
C. Only (1) is true
D. Only (2) is true

In the following questions a statement is given followed by two course of actions numbered I and II. You have to consider the statement and the following course of actions, and decide which of the course of actions needs to be followed and choose your answer accordingly.

2. **Statement:** A large number of people in ward Z of the city are diagnosed to be suffering from a fatal malaria type.

Courses of Action:
I. The city municipal authority should take immediate steps to carry out extensive fumigation in ward Z.
II. The people in the area should be advised to take steps to avoid mosquito bites.
A. Both I andII to be followed
B. Only IIto be followed
C. Either I or II to be followed
D. Only I to be followed

3. If, LION = JGML then TIGER=
A. RGTWS
B. GTRSW
C. RGECP
D. RGEDO

4. Find the odd one out
A. Assess
B. Polish
C. Attire
D. Manner

5. Find the odd one out
A. Larva
B. Pupa
C. Nymph
D. Caterpillar