

**Sample  
QUESTION PAPER**  
*For the entrance test of M.S.(LIS) (2018)*

**Test Code: PLA**

**Note:** PLA test consists of two parts: *Part I: Test of Quantitative Ability* and *Part II: Test of Reasoning Ability*. The candidates are expected to answer **30** questions. Some sample questions are given below.

**Sub: Library & Information Science**

**Test Code: PLA**

**Duration: 2 hours**

**PART I : Test of Quantitative Ability**

1. David receives a commission of 25 cents for every 20 euros worth of merchandise he sells. What percentage is his commission?
  - A. 1.25%
  - B. 2.5%
  - C. 25%
  - D. 12.5%
  
2. If  $p/q = 33$  what is  $(11 q/p)^{-1}$ ?
  - A. 3
  - B.  $1/3$
  - C. 363
  - D.  $1/363$
  
3. The sum of the squares of three numbers is 138, while the sum of their products taken two at a time is 131. Their sum is
  - A. 20
  - B. 30
  - C. 40
  - D. None of these

**Answer the questions numbered 4 and 5 based on the following information:**

I have five different green balls and five different red balls. I want to arrange them in a line such that the colours are alternating.

4. In how many ways can the above arrangement be achieved?
  - A. 28800
  - B. 86400
  - C. 43200
  - D. 57600
  
5. If in the above case the green balls are all identical, in how many ways can the balls be arranged such that no two red balls are together?
  - A. 6
  - B. 120
  - C. 720
  - D. 1440

6. Two trains are moving in the same direction at 50 km/hr and 30 km/hr. The faster train crosses a man in the slower train in 18 seconds. Find the length of the faster train.
- A. 109 m
  - B. 155 m
  - C. 100 m
  - D. 200 m
7. If  $\log 27 = 1.431$ , then the value of  $\log 9$  is
- A. 0.934
  - B. 0.945
  - C. 0.954
  - D. 0.958
8. Milk and water are mixed in a vessel X in the proportion 5:2 and in vessel Y in the proportion 8:5. In what proportion should quantities be taken from the two vessels so as to form a mixture in which milk and water will be in the proportion of 9:4?
- A. 7:2
  - B. 6:4
  - C. 3:2
  - D. 7:3
9. The age of the father 3 years ago was 7 times the age of his son. At present the father's age is 5 times that of his son. What are the present ages of the father and the son?
- A. 45, 9
  - B. 40, 9
  - C. 50, 6
  - D. 55, 9
10. X, Y, and Z contract a work for Rs. 550. Together X and Y are supposed to do  $\frac{7}{11}$  of the work. How much does Z get?
- A. 210
  - B. 215
  - C. 205
  - D. 200

## **PART II : Test of Reasoning Ability**

In each of the following questions numbered 11 - 20, four words have been given out of which three are alike in some manner, while the fourth one is different. Choose the word, which is different from the rest.

11. Choose the word, which is different from the rest.
- A. Rose
  - B. Lotus
  - C. Jasmine
  - D. Dahlia

12. Choose the word, which is different from the rest.
- A. Curd
  - B. Butter
  - C. Oil
  - D. Cheese
13. P is the son of Q. Q and R are brothers. S is the mother of R and M is the daughter of S. On the basis of this information, select the statement, which is false.
- A. M is the paternal aunt of P
  - B. Q is M's brother
  - C. S is not Q's mother
  - D. P, Q and R are males
14. MHZ, NIW, OKT, PNQ, ?
- A. RRN
  - B. B.QRN
  - C. QRM
  - D. QQN
15. If B shifts to the place of E, E shifts to the place of Q, and Q shifts to the place of B, then who will be the second to the left of the person opposite to O ?
- A. Q
  - B. P
  - C. E
  - D. D
16. Arrange the words given below in a meaningful sequence.
- (a) Poverty (b) Population (c) Death (d) Unemployment (e) Disease
- A. b, c, d, e, a
  - B. c, d, b, e, a
  - C. b, d, a, e, c
  - D. a, b, c, d, e
17. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.
- \_ stt \_ tt \_ tts \_
- A. tsts
  - B. ttst
  - C. sstt
  - D. tsst

18. **Statement:** It is desirable to put the child in school at the age of 5 or so.

**Assumptions:**

- At that age the child reaches appropriate level of development and is ready to learn.
- The schools do not admit children after six years of age.

- A. If only assumption I is implicit
- B. If only assumption II is implicit
- C. If neither I nor II is implicit
- D. If both I and II are implicit

19. 'Marathon' is to 'race' as 'hibernation' is to

- A. winter
- B. bear
- C. dream
- D. sleep

20. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- A. Brother
- B. Nephew
- C. Uncle
- D. Son-in-law