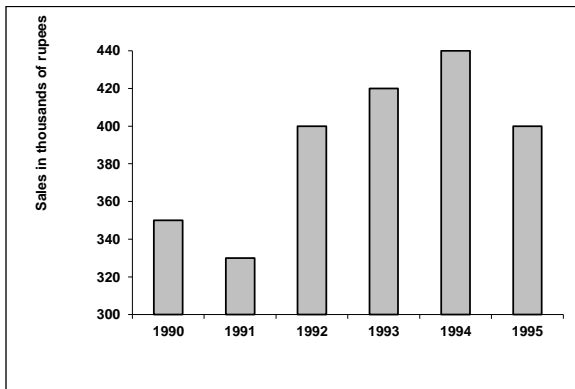# NICMAR University, Pune

NICMAR Doctoral School

NICMAR Ph.D. Admission Test (NPAT) SAMPLE PAPER

The sample question paper is for illustrative purpose to help the aspirants to understand the format and type of questions they might encounter in the actual examination.

PAPER I

DATA INTERPRETATION

Answer the following questions on the basis of sales turnover shown in the given bar-chart for the years 1990 to 1995.

1. By what amount are the sales in 1993 more than those in 1991?
   (a) Rs. one hundred
   (b) Rs ten thousand
   (c) Rs one lakh
   (d) Rs ten lakh

2. How many times the sales of 1992 are the sales in 1991?
   (a) 8 times
   (b) 0.8 times
   (c) 2.5 times
   (d) 9 times

3. In which year did the sales show the least per cent increase to that of the preceding year?

   (a)   1995   (c) 1994
   (b) 1992   (d) 1993

4. What percent of the sales in 1992 are the sales in 1994?

   (a) 1.4   (c) 110
   (b) 111   (d) 1.1

5. What are the approximate average sales (in thousands) for the years 1992 to 1995?

   (a) 420   (c) 430
   (b) 415   (d) 425

QUANTITATIVE APTITUDE AND ANALYTICAL ABILITY

1. Which of the following is the smallest?
   - (a) $5^{1/2}$
   - (b) $6^{1/3}$
   - (c) $8^{1/4}$
   - (d) $12^{1/5}$

2. A sum of money triples itself in 18 years under simple interest. What is the rate of interest per annum?
   - (a) 9.09%
   - (b) 11.11%
   - (c) 9%
   - (d) 18%

3. Find the area of an equilateral triangle inscribed in a circle of radius $6\sqrt{15}$ (in sq.cm).
   - (a) $810\sqrt{3}$
   - (b) $405\sqrt{3}$
   - (c) $225\sqrt{3}$
   - (d) $270\sqrt{3}$

4. If 8+12=2, 7+14=3 then 10+18= ?
   - (a) 10
   - (b) 4
   - (c) 6
   - (d) 18

5. Express $8\frac{1}{3}\%$ as a fraction.
   - (a) $\frac{1}{12}$
   - (b) $\frac{1}{16}$
   - (c) $\frac{1}{18}$
   - (d) None of these

Answer the questions on the basis of following information.

Four families decided to go for a picnic to Jhumri Talaiya and agreed to meet at a place called Rani ka Talab before moving for the picnic. One family has no kid, while the others have at least one kid each. Amongst each family with kids, at least one kid goes to the picnic. Following is the information about the families.
   (i)   The family with two kids came just before the family with no kids.
   (ii)   D who does not have any kids reached just before C's family.
   (iii)   P and his wife reached last with their only kid.
   (iv)   Q is not husband of B.
   (v)   Q and S are fathers.
   (vi)   C's and A's daughters go the same school.
   (vii)   B came before D and met A when she reached the fixed place.
   (viii) R stays farthest from the place and he is a good singer.
   (ix)   S explained that his son could not come because of exams.

51.   Who amongst the females arrived third?
   - (a) A
   - (b) B
   - (c) C
   - (d) D

52. Which is the correct pair of husband and wife?
   - (a) S and D
   - (b) P and C
   - (c) Q and C
   - (d) S and A

53. Whose daughters go to the same school?
    (a) Q and R
    (b) P and R
    (c) P and Q
    (d) Q and S

ENGLISH LANGUAGE

(Q 1 & 2) In each of the following questions, out of the given alternatives, choose the one which best expresses the meaning of the given word.

1. Pensive
    (a) habitually tardy
    (b) confident
    (c) given to quiet reflection
    (d) affectionate

2. Unalloyed
    (a) not connected
    (b) calm
    (c) absolutely pure and complete
    (d) inferior

(Q. 3 & 4) In each of the following questions, choose one alternative which is opposite in meaning to the given word.

3. Instill
    (a) extract
    (b) eradicate
    (c) express
    (d) expand

4. Synchronized
    (a) noisy
    (b) discordant
    (c) consequent
    (d) following

(Q. 5 & 6) In each of the following questions, choose the most suitable "one word "for given expressions.

5. A house for storing grains
    (a) Cellar
    (b) Store
    (c) home
    (d) Granary

6. A person claiming to be superior in culture and intellect to others
    (a) Intellectual
    (b) Aristocrat
    (c) Elite
    (d) Highbrow