

2022

M.Lib.I.Sc. Second Semester Examination
Course – 207

(Library statistics and Informetrics)

Full Marks—40

Time—2 Hours

The figures in the right side margin indicate marks.

Answer *all* questions :

1. Write short notes on *any two* of the following:

5×2

(a) h-index

(b) Obsolescence and half -life

(c) PERT /CPM

(d) Z-test

2. (a) What is primary data? What method do you follow to collect primary data?

Estimate the value of x when $y = 20$, with the help of suitable regression equation from the following data :

X : 4 8 12 16 20

Y : 10 14 16 18 22

2+4+9

[P.T.O.]

Or

- (b) Define 'Operation Research'. Discuss any two techniques of operation research. The probabilities of solving a problem by A, B, C are $\frac{1}{3}$, $\frac{2}{7}$ and $\frac{3}{8}$ respectively. If all of them try to solve the problem independently find the probability that the problem will be solved.

3+6+6

3. (a) Define 'Altmetrics'. Distinguish between co-citation analysis and bibliographic coupling. Discuss the law associated with the scattering of scientific literature.

2+5+8

Or

- (b) Define 'Citation analysis'. Briefly discuss various applications of citation analysis. Explain Impact Factor and its importance.

3+6+6