

**U.G. 3rd Semester Examination - 2020****STATISTICS****[HONOURS]****Generic Elective Course (GE)****Course Code : STAT-H-GE-P-3****(Statistical Method)****[PRACTICAL]**

Full Marks : 25(20+5)

Time : 2 Hours

*The figures in the right-hand margin indicate marks..**Notations and symbols have their usual meaning.*

1. Compute the three quartiles for the following frequency distribution:

**Frequency distribution of I.Q. for 160 childrens**

I.Q.	40-49	50-59	60-69	70-79	80-89	90-99	Total
Frequency	10	10	40	45	35	20	160

Also give a measure of skewness. 5

2. The ranks of 16 students in Mathematics and Physics are as follows. The numbers within brackets denote the ranks of the students in Mathematics and Physics respectively.

(1,1) (2,10) (3,3) (4,4) (5,5) (6,7) (7,2) (8,6) (9,8)

(10,11) (11,15) (12,9) (13,14) (14,12) (15,16)  
(16,13).

Calculate the rank correlation coefficient for proficiencies of this group in Mathematics and Physics. 5

3. Practical Note book 5  
4. Viva-voce 5

**[Internal Assessment: 5]**

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