

- (b) In an industry 200 workers were classified according to their performance and training . Test independence of training and performance.( At 5% level table value of  $\chi^2$  is 3.84 at 1 d.f. ) (10)

	Performance		
	Good	Poor	Total
Trained	100	50	150
Untrained	20	30	50
Total	120	80	200

**O.R**

- (a) What is Non Parametric Tests? How they are differ from Parametric tests? Stat merits and Demerits of N.P Tests. (10)
- (b) The following table shows the marks obtained by 100 students. (10)  
Estimate the number of students getting marks less than 17.

<b>Marks</b>	<b>0-10</b>	<b>10-20</b>	<b>20-30</b>	<b>30-40</b>
<b>No. of students</b>	<b>13</b>	<b>24</b>	<b>37</b>	<b>26</b>

[illegible]