



**NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

DEPARTMENT OF MECHANICAL ENGINEERING

6<sup>th</sup> Semester (3<sup>rd</sup> Year), Mechanical Engineering

Subject: MACHINE DESIGN (MEC 602)

**MECHANICAL ENGINEERING**

**MEC602-MACHINE DESIGN**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**B.Tech (6<sup>th</sup> Semester Examination)**

**Course: Machine Design-II**

**Maximum Marks: 10**

**Assignment3**

Q.1 What is the value of design speed for selecting standard sheave size	1 CO3
Q.2 For a power of 75 KW to produce a speed of 300 rpm which belt is suitable	1 CO1
Q.3 Angle of wrap correction factor increases as	1 CO4
Q.4. What is the maximum standard length for 8 V belt in meters	1 CO2
Q.5 What is the maximum standard length for 5 v belt in meters	1 CO2
Q.6 Minimum standard driving sheave size is	1 CO4
Q.7 For Chain number 25 pitch is equal to	1 CO1
Q.8 For Chain number 80 pitch is equal to	1 CO1
Q.9 For Chain number 240 pitch is equal to	1 CO1
Q.10 Manual drip lubrication of chain is recommended for	.5 CO4
Q.11 Oil stream lubrication is recommended for	.5 CO4

\*Total= Score \* Weightage(1)(Q1- Q9) and Score \* Weightage(0.5)(Q10- Q11)