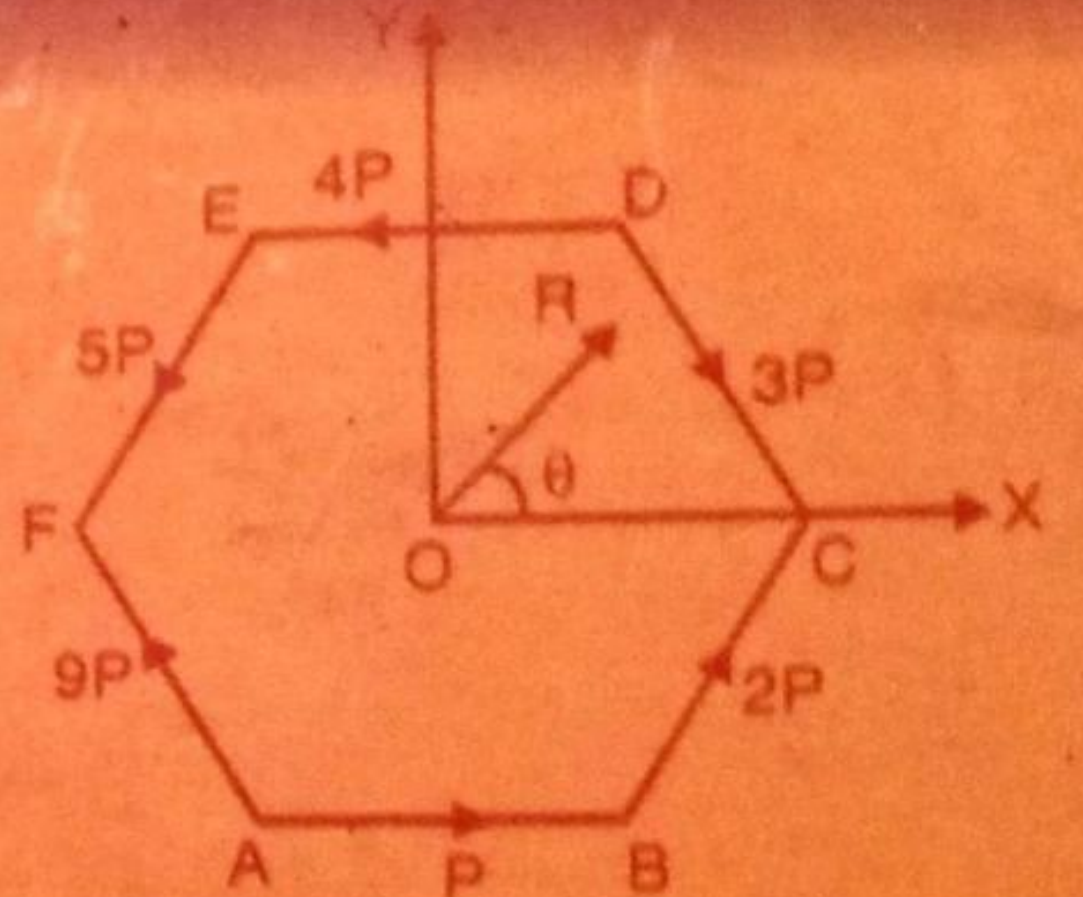
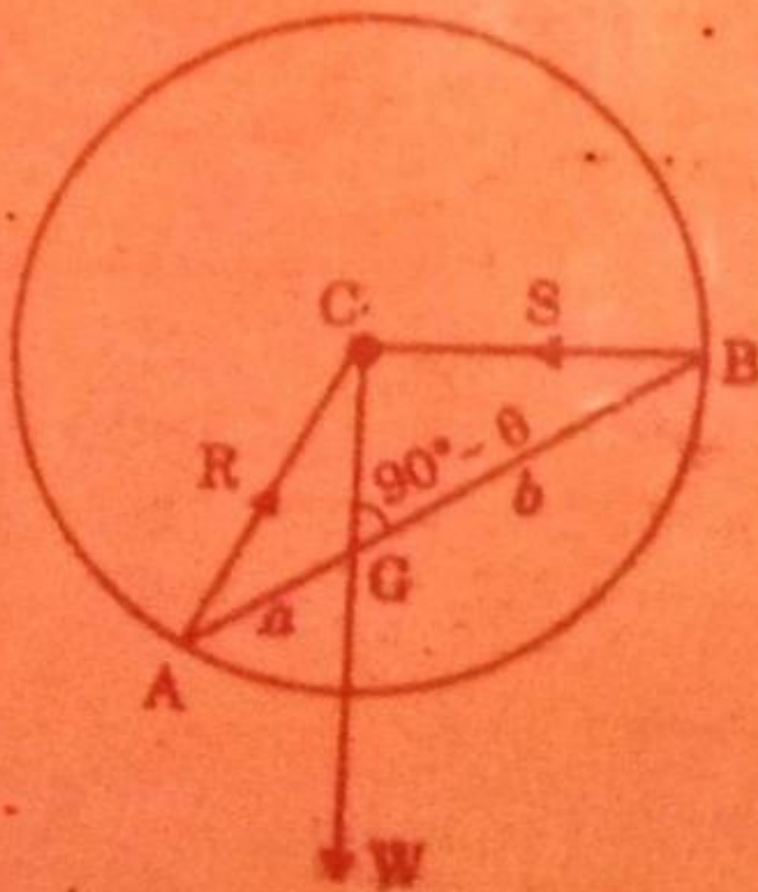
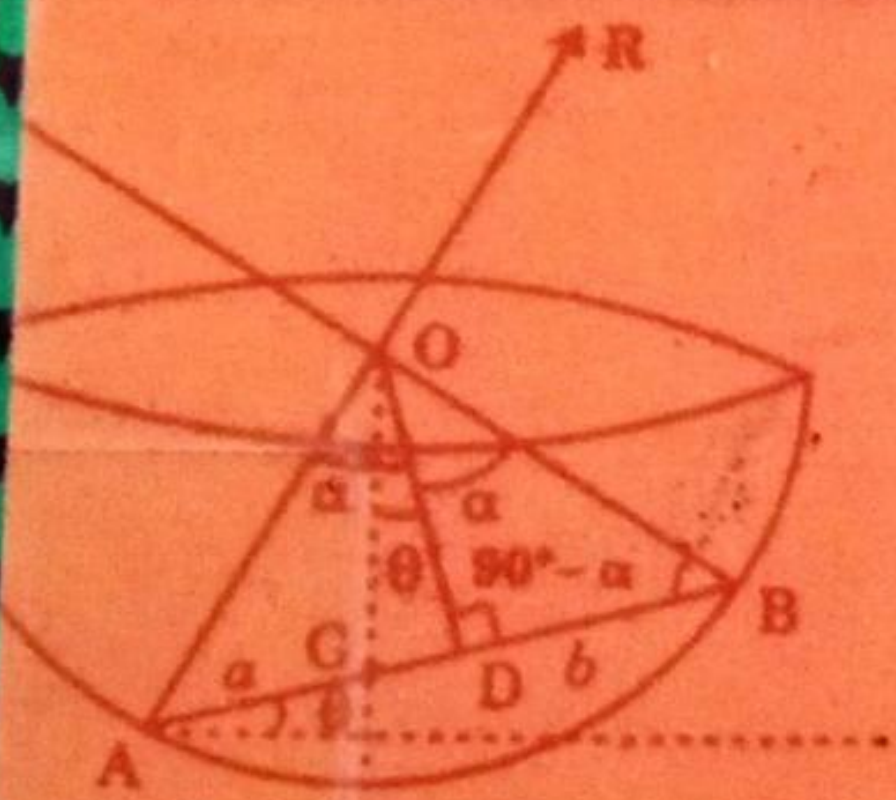


*New College*

# STATICS

**B.A./ B.Sc. II  
THIRD SEMESTER**



**JEEVANSONS PUBLICATIONS**

# SYLLABUS

**B.A. / B.Sc. 2nd Year**

**THIRD SEMESTER**

**STATICS : (BM - 233)**

**Maharishi Dayanand University, Rohtak**

Time Allowed : 3

**Note.** The question paper will consist of **five** sections. Each of the first four sections will contain two questions and the students shall be asked to attempt one question from each section. **Section - V** will contain **six** short answer questions without any internal choice covering the entire syllabus and be **compulsory**.

## **Section - I**

Composition and resolution of forces. Parallel forces. Moments and Couples

## **Section - II**

Analytical conditions of equilibrium of coplanar forces. Friction. Centre of Gravity

## **Section - III**

Virtual work. Forces in three dimensions. Poinso's central axis.

## **Section - IV**

Wrenches. Null lines and planes. Stable and unstable equilibrium.

# SYLLABUS

**B.A. / B.Sc. 2nd Year**

**THIRD SEMESTER**

**STATICS : (BM - 233)**

**Kurukshetra University, Kurukshetra**

*Time Allowed : 3 Hours*

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**Note.** *The examiner is requested to set **nine questions** in all, selecting two questions from each section and **one compulsory question** consisting of five or six parts distributed over all the four sections. Candidates are required to attempt **five questions in all**, selecting **at least one question** from each section and the compulsory question.*

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## **Section - I**

Composition and resolution of forces. Parallel forces. Moments and Couples

## **Section - II**

Analytical conditions of equilibrium of coplanar forces. Friction. Centre of Gravity.

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Chapter	Pages
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1. <i>Forces Acting at a Point</i>	1.1 — 1.54
2. <i>Parallel Forces</i>	2.1 — 2.17
3. <i>Moments</i>	3.1 — 3.27
4. <i>Couples</i>	4.1 — 4.20
5. <i>Analytical Conditions of Equilibrium of Coplanar Forces</i>	5.1 — 5.22
6. <i>Friction</i>	6.1 — 6.18
7. <i>Centre of Gravity</i>	7.1 — 7.26
8. <i>Virtual Work</i>	8.1 — 8.26
9. <i>Forces in Three Dimensions</i>	9.1 — 9.24
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