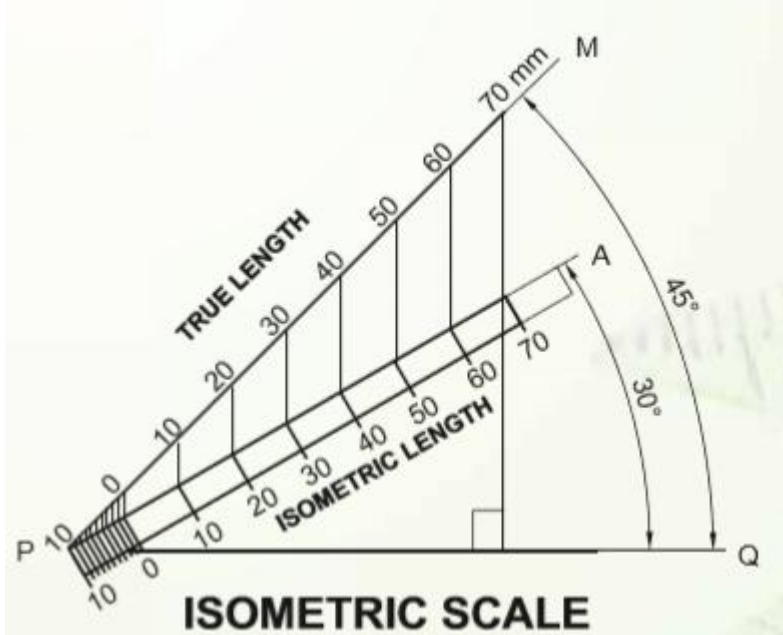


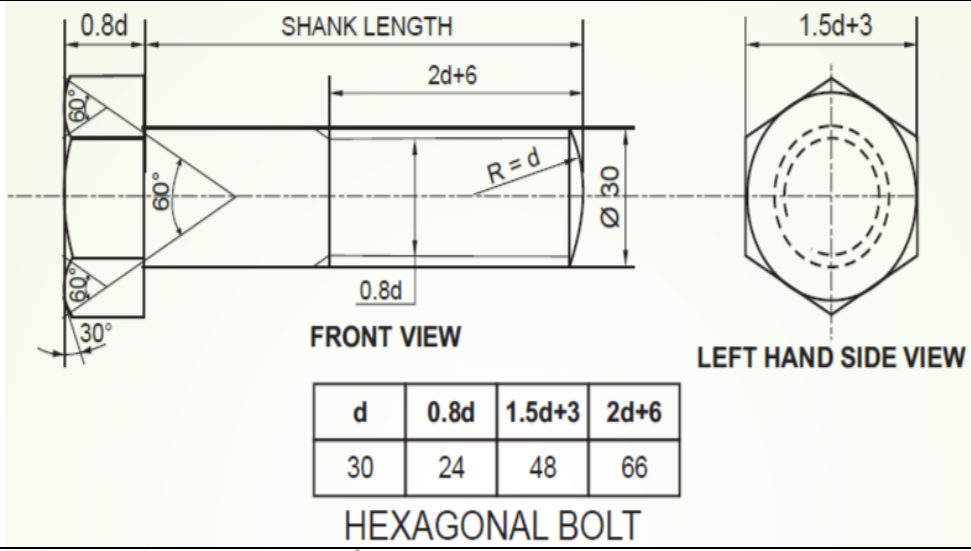
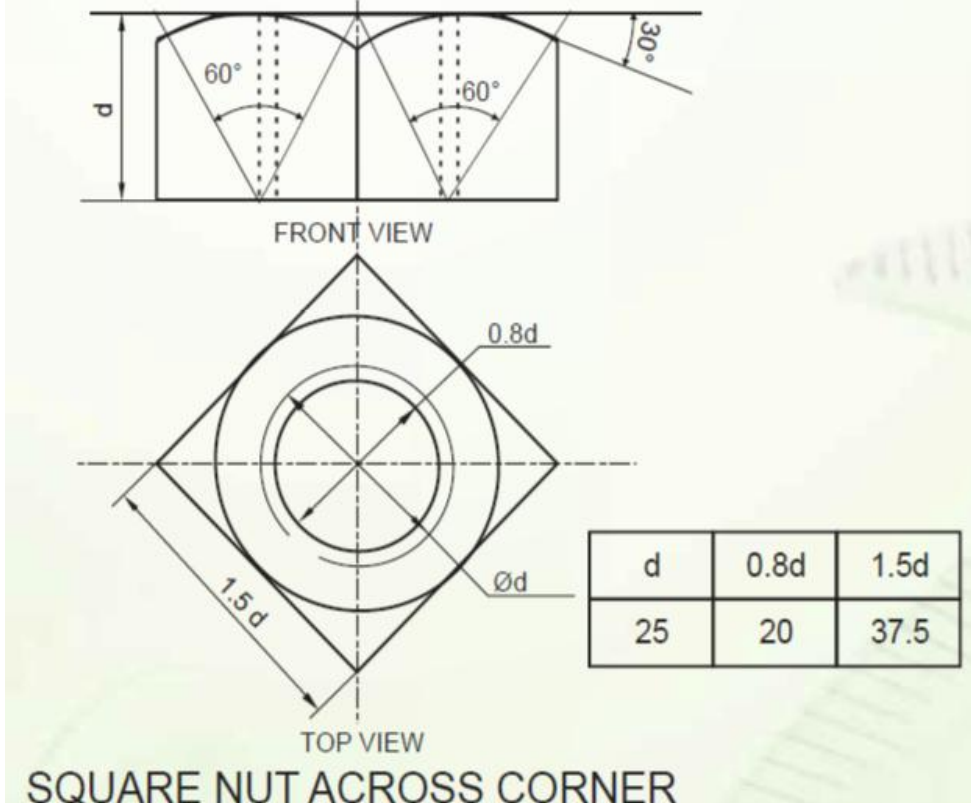
# FIRST TERM EXAMINATION

MAY 2018

CLASS XII

## Marking Scheme – ENGINEERING GRAPHICS

Q.NO	Answers	Marks (with split up)														
1.	 <p><b>ISOMETRIC SCALE</b></p>															
2.	<p><b>Isometric Projection of a cone</b></p> <table><tr><td>1. Drawing elliptical Curve</td><td>3</td></tr><tr><td>2. Drawing two generators</td><td>2</td></tr><tr><td>3. Indicating the axis</td><td>1</td></tr><tr><td>4. Three dimensions</td><td>1</td></tr></table> <p><b>Isometric projection of Pentagonal prism</b></p> <table><tr><td>1. Drawing isometric pentagon</td><td>2</td></tr><tr><td>2. Drawing horizontal lines indicating the faces</td><td>2</td></tr><tr><td>3. Common axis, dimensioning and direction of viewing</td><td>3</td></tr></table>	1. Drawing elliptical Curve	3	2. Drawing two generators	2	3. Indicating the axis	1	4. Three dimensions	1	1. Drawing isometric pentagon	2	2. Drawing horizontal lines indicating the faces	2	3. Common axis, dimensioning and direction of viewing	3	
1. Drawing elliptical Curve	3															
2. Drawing two generators	2															
3. Indicating the axis	1															
4. Three dimensions	1															
1. Drawing isometric pentagon	2															
2. Drawing horizontal lines indicating the faces	2															
3. Common axis, dimensioning and direction of viewing	3															
3.	<p>Isometric projection of a cylindrical disc</p> <table><tr><td>1. Drawing elliptical curves</td><td>3</td></tr><tr><td>2. Drawing two generators</td><td>2</td></tr><tr><td>3. Indicating the axis</td><td>1</td></tr><tr><td>4. Dimensions</td><td>1</td></tr></table> <p>Isometric projection of a square prism</p> <table><tr><td>1. Drawing isometric squares.</td><td>2</td></tr><tr><td>2. Drawing horizontal lines indicating the faces.</td><td>2</td></tr><tr><td>3. Common axis, dimensioning and direction of viewing.</td><td>3</td></tr></table>	1. Drawing elliptical curves	3	2. Drawing two generators	2	3. Indicating the axis	1	4. Dimensions	1	1. Drawing isometric squares.	2	2. Drawing horizontal lines indicating the faces.	2	3. Common axis, dimensioning and direction of viewing.	3	
1. Drawing elliptical curves	3															
2. Drawing two generators	2															
3. Indicating the axis	1															
4. Dimensions	1															
1. Drawing isometric squares.	2															
2. Drawing horizontal lines indicating the faces.	2															
3. Common axis, dimensioning and direction of viewing.	3															
4.	Isometric projection of a frustum of a cone															

	<div><div>1. Drawing two elliptical curves3</div><div>2. Drawing two generators2</div><div>3. Indicating the axis1</div><div>4. Three dimensions1</div></div>	
5.	<div>Isometric projection of triangular prism</div> <div><div>1. Drawing isometric triangles.2</div><div>2. Drawing horizontal lines indicating the faces.2</div><div>3. Common axis, dimensioning and direction of viewing3</div></div>	
6.	<div></div> <div>HEXAGONAL BOLT</div>	
7.	<div></div> <div>SQUARE NUT ACROSS CORNER</div>	
8.	a) or Rhombus	
9.	b) or Rivet	
10.	b) or more than the nut size	
11.	d) or observer, object and plane	
12.	c) or 30°	