

Flanges, Gaskets, and Jointing

CANDIDATE NAME: _____ GROUP NO: _____

RESULT: PASS
 Needs more training: DATE: _____

ASSESSOR: _____ *PRINT* _____
SIGN

1	What is the primary purpose of gasket in a flanged joint connection?
2	When finding the size of a flange, if there are no marking on it, what three sizes must be found? i) ii) iii)
3	Give three different style types of gaskets that may be used with flanged joints. i) ii) iii)

4	<p>Explain the three fundamental requirements of a gasket material for selection to meet its working objectives.</p> <p>i)</p> <p>ii)</p> <p>iii)</p>
5	<p>Name three common types of gasket material.</p> <p>i)</p> <p>ii)</p> <p>iii)</p>
6	<p>Explain the reasons for using envelopes gaskets?</p>

7 Draw the two types of construction for spiral wound semi-metallic gaskets and label all parts.

i)

ii)

8	Sketch and explain why inner and outer guide rings are used on semi-metallic gaskets?
9	Explain why and in what circumstances thin gasket should be used in preference to thick gaskets?
10	What is the preferred method when tighten bolting and give their advantages?

11	<p>Describe the reason for using:-</p> <p>a)Full faced flange joint:</p> <p>b)Raised faced flange joints:</p> <p>c) Gramophone finish on flange joints:</p>
12	<p>Explain how and where an “O”-ring may be used?</p>
13	<p>Comparing soft gaskets to semi metallic and metallic give an example of all three?</p>
14	<p>Explain how the bolt stud tightening pattern works.</p>
15	<p>When making a joint explain all the important points and things you need to check to ensure it works properly?</p>

16	Name and sketch two types of R.T.Js gaskets
17	When breaking a flange, what precautions do you take and which bolt is loosened first?
18	Draw a the construction of a jacketed gasket