**Compressor Test Paper**

CANDIDATE NAME: ………………………………………….GROUP NO: …………..

PASS

Needs more training: DATE: …………………………..

ASSESSOR: …………………………..*PRINT:* ……………………………….*SIGN*

|  |  |  |
| --- | --- | --- |
| 1 | What is a Compressor? |  |
| 2. | What are the four main types of compressor classification |  |

|  |  |  |
| --- | --- | --- |
| 3 | Sketch and describe the main differences between them and say how they work. |  |
| 4 | What is the main difference between a single-actingand a double acting reciprocating compressor |  |
| 5 | What are the six main components for a compressed air system to ensure good quality air. |  |
| 6 | Describe how the crankcase oil and compressed air are kept separated in the two types positive displacement reciprocating compressors. (Two descriptions required) |  |
| 7 | Sketch name and describe the seal arrangement used to separate the low suction and high discharge pressures on a centrifugal compressor impeller. |  |
| 8 | Sketch and describe the three types of impeller used in a centrifuge compressor. |  |
| 9 | When operating compressor types, if the delivery supply is described as “continuous discharge” for the dynamic compressors. How is the reciprocating compressors discharge described and how can the effect be reduced. |  |
| 10 | What are the three main types of suction and discharge valves called in a piston type compressor. |  |
| 11 | In a rotary screw compressor how are the two rotors kept separated to ensure they do not touch. |  |
| 12 | What two items are used to control axial thrust on a multi-stage centrifugal compressor rotor. |  |