

Question no.	Syllabus reference	Question	Marks
1 Marking guide / answer	01.01	<p>a) Maintain efficiency, remove hazards or any other sensible answer.</p> <p>b) Permit to work.</p> <p>c) Specific work being carried out, by whom, safe working arrangements in place or any other sensible answer.</p>	<p>2</p> <p>1</p> <p>2</p> <p>(Total 5)</p>
2 Marking guide / answer	01.01	<p>a)</p> <p>i) Yellow.</p> <p>ii) Red.</p> <p>iii) Blue.</p> <p>b)</p> <p>i) Hard hat or harness.</p> <p>ii) Hi-visibility vest or coat.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>(Total 5)</p>
3 Marking guide / answer	01.02	<p>a) Check for calibration/test dates, physical condition or any other sensible answer.</p> <p>b) Do not use, report to manager or other acceptable answer.</p>	<p>1 mark each</p> <p>1</p> <p>(Total 3)</p>
4 Marking guide / answer	01.03	<p>Any three of the following: Manufacturer's manuals, drawings, equipment specification, tables, charts, service manuals or any other sensible answer.</p>	<p>3</p> <p>(Total 3)</p>
5 Marking guide / answer	01.04	<p>a) Scheduled – in accordance with timescales or amount of hours run etc.</p> <p>b) Planned preventative – designed to cater for organisational needs such as shut down periods which also caters equal to or above equipment maintenance requirements.</p> <p>c) Breakdown – maintenance is only carried out when failure occurs.</p> <p>Any other sensible answer along those lines.</p>	<p>2</p> <p>2</p> <p>2</p> <p>(Total 6)</p>
6	01.05	a) Descriptions similar to the following.	

Question no.	Syllabus reference	Question	Marks
Marking guide / answer		<p>i) Lack of materials and replacement parts increase downtime and increase costs etc. ii) Location of the services and which ones need to be isolated or are active etc.</p> <p>b) Tools and equipment requirements, importance of minimising downtime to avoid production loss, site conditions, component location.</p>	<p>2 2 4 (Total 8)</p>
7 Marking guide / answer	01.06 03.03	Granular materials, absorbent pads.	1 mark each (Total 2)
8 Marking guide / answer	01.07	Sight, sound, smell, touch with adequate description, e.g. smell to determine burnt material as a result of excessive friction etc.	1 mark for naming each, 1 mark for each application (Total 8)
9 Marking guide / answer	01.07	Any two of the following: Half split, input-to-output, function testing, unit substitution, equipment self diagnostics.	2 (Total 2)
10 Marking guide / answer	02.01 02.02 02.03	<p>a) i) Visual examination and test date attached. ii) Safety certificate and scafftag attached (accept visual as well).</p> <p>b) SWL stamped, stat test date.</p> <p>c) i) Four. ii) Any two from the following: skates, crowbars, pull-lifts, lubricated plates.</p>	<p>2 2 2 1 2 (Total 9)</p>
11 Marking guide / answer	02.04	<p>a) Adequate description of procedure.</p> <p>b) Wire strippers, cutter, screw driver.</p>	<p>3 3 (Total 6)</p>
12 Marking	02.05	a)	

Question no.	Syllabus reference	Question	Marks
guide / answer		<p>i) Correct description of switching meter to continuity test function and obtaining signal.</p> <p>ii) Correct description of setting meter to ohms and obtaining a reading.</p> <p>b) Ohms.</p>	<p>2</p> <p>2</p> <p>1</p> <p>(Total 5)</p>
13 Marking guide / answer	02.06	Answers for both a) and b) should give an appropriate description, listing tools and methods used.	<p>2 x 3</p> <p>(Total 6)</p>
14 Marking guide / answer	02.07	<p>a)</p> <p>i) Compressed air system.</p> <p>ii) Open gears.</p> <p>iii) Enclosed such as transmission system or engine.</p> <p>b) Any three of the following: reduce friction, heat, corrosion, prevent ingress of dirt etc.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1 mark each</p> <p>(Total 6)</p>
15 Marking guide / answer	03.01	Adequate description, including two points of isolation such as valve and blank and depressurising the system.	<p>6</p> <p>(Total 6)</p>
16 Marking guide / answer	03.01	<p>a) Adequate description of labelling and/or marking components and safe storage.</p> <p>b) Select the appropriate sized drill and drill through the rivet.</p>	<p>2</p> <p>2</p> <p>(Total 4)</p>
17 Marking guide / answer	03.02	<p>a) Adequate description, including the tools and equipment used for alignment and the placement of shims (including calculating/estimating) etc.</p> <p>b) Adequate description of 'cape and corner' sequence.</p>	<p>8</p> <p>2</p> <p>(Total 10)</p>
18 Marking guide /	03.04	Any six from the following: Identification of equipment, type of maintenance undertaken, repairs carried out, details of replaced	

Question no.	Syllabus reference	Question	Marks
answer		parts and consumables, time taken, any outstanding maintenance issues.	6 (Total 6)
		Total marks	100

Practice