

# MECHANICAL TECHNOLOGY SPECIALISATION

## GRADE 10 & 11 NOVEMBER 2021 EXAMINATION TOPIC TOTAL GUIDELINE

WEGHTING – 100 Marks – 90 Minutes

### AUTOMOTIVE

<b>Final Examination – GRADE 10</b>			
<b>Q. NO</b>	<b>CONTENT</b>	<b>Tot</b>	<b>Time</b>
<b>Section A - Generic</b>			
1	Multiple Choice	7	6
2	Safety	5	5
3	Tools	6	5
4	Joining Methods	6	5
5	Forces	15	14
6	Maintenance	5	5
7	Materials	6	5
8	Engines	8	7
<b>Section B - Specific</b>			
9	Multiple Choice	4	4
10	Engines	15	13
11	Terminology	10	8
12	Maintenance	5	5
13	Systems and Control	8	8
<b>TOTAL</b>		<b>100</b>	<b>90</b>

<b>Final Examination – GRADE 11</b>			
<b>Q. NO</b>	<b>CONTENT</b>	<b>Tot</b>	<b>Time</b>
<b>Section A - Generic</b>			
1	Multiple Choice	3	3
2	Safety	5	5
3	Tools	5	5
<b>Section B - Specific</b>			
4	Multiple Choice	7	6
5	Tools	4	4
6	Engines	12	10
7	Systems & Control (Final Drive)	7	6
8	Systems & Control (Drive Systems)	7	6
9	Systems & Control (Hydraulic break System)	7	6
10	Systems & Control (Axels)	5	5
11	Systems & Control (Steering Systems)	6	5
12	Systems & Control (Suspension)	7	6
13	Systems & Control (Electricity)	7	6
14	Maintenance	4	4
15	Forces	10	8
16	Terminology	4	5
<b>TOTAL</b>		<b>100</b>	<b>90</b>

## FITTING AND MACHINING

<b>Final Examination – GRADE 10</b>			
<b>Q. NO</b>	<b>CONTENT</b>	<b>Tot</b>	<b>Time</b>
<b>Section A - Generic</b>			
1	Multiple Choice	7	6
2	Safety	5	5
3	Tools	6	6
4	Joining Methods	6	5
5	Forces	25	22
6	Maintenance	5	5
7	Materials	6	6
<b>Section B - Specific</b>			
8	Multiple Choice	3	3
9	Terminology	22	19
10	Systems and Control	15	13
<b>TOTAL</b>		<b>100</b>	<b>90</b>

<b>Final Examination – GRADE 11</b>			
<b>Q. NO</b>	<b>CONTENT</b>	<b>Tot</b>	<b>Time</b>
<b>Section A - Generic</b>			
1	Multiple Choice	3	3
2	Safety	5	5
3	Maintenance	5	5
4	Materials	5	5
5	Tools	5	5
<b>Section B - Specific</b>			
6	Multiple Choice	7	6
7	Terminology	15	13
8	Tools	5	5
9	Forces	15	13
10	Maintenance	7	6
11	Joining Methods	8	7
12	Systems and Control	13	11
13	Pumps	7	6
<b>TOTAL</b>		<b>100</b>	<b>90</b>

## WELDING AND METALWORK

<b>Final Examination – GRADE 10</b>			
<b>Q. NO</b>	<b>CONTENT</b>	<b>Tot</b>	<b>Time</b>
<b>Section A - Generic</b>			
1	Multiple Choice	7	6
2	Safety	5	5
3	Tools	5	5
4	Joining Methods	5	5
5	Forces	15	11
6	Maintenance	5	5
7	Materials	6	5
<b>Section B - Specific</b>			
8	Multiple Choice	3	3
9	Terminology (Weld Terms & Templates)	13	12
10	Terminology (Arc- and Gas welding)	13	12
11	Terminology (Weld Symbols & Joints)	10	9
12	Terminology (Developments)	13	12
<b>TOTAL</b>		<b>100</b>	<b>90</b>

<b>Final Examination – Grade 11</b>			
<b>Q. NO</b>	<b>CONTENT</b>	<b>Tot</b>	<b>Time</b>
<b>Section A - Generic</b>			
1	Multiple Choice	3	3
2	Safety	5	5
3	Materials	5	5
<b>Section B - Specific</b>			
4	Multiple Choice	7	6
5	Terminology	18	15
6	Tools	8	7
7	Forces	20	18
8	Maintenance	5	5
9	Joining Methods	10	9
10	Terminology (Developments)	10	9
11	Terminology (Sections)	9	8
<b>TOTAL</b>		<b>100</b>	<b>90</b>