

2022 National qualification test results

Examination information

Examination number	01234567	Name	김한국	Qualification	Industrial Engineer Air-Conditioning Machinery	Test results	Failure
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Analysis of test results

Test method	Multiple choice	Number of questions	60	Test time	1H30M	Questions Standards	Shortcuts
Subject name	My score	Average score for successful candidate	Relative evaluation score	Candidates' weak areas	Related NCS		
Air-conditioning equipment	65	70.1	<p>Percentage : 87.3%</p>	Heating and cooling load calculation	Refrigeration and air conditioning design		
Refrigeration facility	67	60		Boiler facility operation	Refrigeration and air conditioning maintenance		
Air-conditioning installation	59	61.2		Refrigeration equipment installation	Refrigeration and air conditioning installation		
Total score	63	63.7					

Practical test preparation guide

Test method	Working test	Test time	4H	Questions Standards & Open exam questions	Shortcuts	
Subject	Related NCS		NCS subdivision			
Air Conditioning Refrigeration Machine Practice	Air conditioning process analysis, Heating and cooling load calculation, Refrigeration cycle analysis		Refrigeration and air conditioning design			
	Equipment totalization		Refrigeration and air conditioning installation			
	Air-conditioning facility operation management, Air conditioning equipment inspection and management, Refrigeration facility operation, Boiler facility operation		Refrigeration and air conditioning maintenance management			
	Work-type practical test information					
	Safety level	3 rd grade	Danger	Warning	Caution	Attention
	Test site	Indoor work				
	Main equipment	Welding machine, Drill				
	Protective equipment	Safety gear for welding work, Safety boots				

Exam schedule

Category	Application reception	Written test	Written test pass announcement date	Application reception	Working test	Date of announcement of finalists
2022 regular 1 st exam	2022.01.25. ~2022.01.28.	2022.03.07.	2022.03.19.	2022.03.31. ~2022.04.05.	2022.04.24. ~2022.05.07.	2022.06.02.
2022 regular 2 nd exam	2022.04.12. ~2022.04.15.	2022.05.15.	2022.06.02.	2022.06.14. ~2022.06.17.	2022.07.10. ~2022.07.24.	2022.08.20.
2022 regular 3 rd exam	2022.01.25. ~2022.01.28.	2022.08.14.	2022.09.01.	2022.09.13. ~2022.09.16.	2022.10.16. ~2022.10.29.	2022.11.26.

Relevant qualification information

Qualifications in the same job field <small>(Written test subject exemption)</small>	Elevator industry engineer ('Electrical control engineering' written test subject exemption)	
Qualification holder preferred qualifications	[1st] Welding industry engineer [2nd] Computer applied processing industry engineer	[3rd] Industrial safety engineer

Related job prospects

Employment status [Air conditioning operator]

자료: 통계청(2017), "차별화인력조사"

Number of businesses and employees

[1차 금속제조업 사업체 및 종사자 현황]

연도	2010	2011	2012	2013	2014	2015	2016
사업체 수	9,276	9,506	9,851	10,141	10,910	11,332	11,291
종사자 수	103,071	101,400	105,017	107,993	113,036	115,506	117,353

자료: 통계청, 한국산업인력공단

Required skills and knowledge

Air conditioning operator must have relevant knowledge because they comprehensively maintain and manage various facilities such as machinery, electrical equipment, refrigeration equipment and gas equipment... - (Ellipsis) -

Job prospects

[향후 10년간 취업자 수 전망]

Related education and training

Curriculum name	Training institution	NCS job classification	NCS level	Training time	Apply
Management of eco-friendly refrigeration and air conditioning facilities	OO vocational school	Refrigeration and air conditioning design	3 level	60 days(400H)	<input type="button" value="Check"/>
-	-	-	-	-	-

Recruitment information

Career	-	Educational background	-	Working area	-	Check
Company	Work type/region	Career /Educational background	Salary	Application deadline	Apply	
OO industry	5 days a week/Ulsna	No relation	4000 won	2022. 7. 31.	<input type="button" value="Check"/>	
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