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# 공정품질관리사 출제범위 (Process Quality Controller Criteria) CQI Standards

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**2024**

**SCC  
IQCS**

# 출제기준 (필기) Written Test Criteria

<Table 1>

| 직무활용<br>분야<br>Field     | 품질평가<br>Quality<br>evaluation                                          | 자격명칭<br>Qualification                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 자동차 품질평가사<br>Car quality<br>assessment expert | 적용기간<br>Valid<br>date  | 2023~                  |
|-------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------|------------------------|
| 시험방법<br>Exam<br>type    | 객관식<br>Multiple<br>choice                                              | 문항 수<br>No. of Ques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40                                            | 시험시간<br>Exam<br>hour   | 60<br>minutes          |
| 대 항목<br>Title           | 중 항목<br>Sub title                                                      | 세부항목<br>Detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               | 문항수<br>No. of<br>Ques. | 비율<br>Distribu<br>tion |
| CQI 표준 CQI<br>Standards | 각 CQI 표준에<br>대한 기술시험<br>Technical testing<br>for each CQI<br>standards | <ul style="list-style-type: none"> <li>● CQI-9 열처리</li> <li>● CQI-11 도금</li> <li>● CQI-12 코팅</li> <li>● CQI-15 용접</li> <li>● CQI-17 납땜</li> <li>● CQI-27 주조</li> <li>● CQI-23 성형</li> <li>● CQI-29 브레이징</li> <li>● CQI-30 고무 성형</li> <li>● CQI-9 Heat Treat</li> <li>● CQI-11 Plating</li> <li>● CQI-12 Coating</li> <li>● CQI-15 Welding</li> <li>● CQI-17 Soldering</li> <li>● CQI-27 Casting</li> <li>● CQI-23 Molding</li> <li>● CQI-29 Brazing</li> <li>● CQI-30 Rubber Molding</li> </ul> |                                               | 25                     | 62.5                   |
|                         | 기술 절차<br>technical<br>procedure                                        | <ul style="list-style-type: none"> <li>● APQP (Advanced Product Quality Planning, 고급 제품 품질 계획)</li> <li>● PPAP (Production Part Approval Process, 생산부품 승인 프로세스)</li> <li>● FMEA (Failure Mode and Effects Analysis, 고장 모드 및 영향 분석)</li> <li>● SPC (Statistical Process Control, 통계적 공정 관리)</li> <li>● MSA (Measurement System Analysis, 측정 시스템 분석)</li> </ul>                                                                                                                                   |                                               | 15                     | 37.5                   |

## 출제기준 (실기) Oral Test Criteria

<Table 2>

| 직무활용분야<br>Field                                                                                                  | 품질평가                                                                   | 자격명칭<br>Quality<br>evaluation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 자동차품질평가사<br>Car quality<br>assessment expert | 적용기간<br>Valid date      | 2023               |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|--------------------|
| 시험방법<br>Exam type                                                                                                | Practice                                                               | 문항 수<br>No. of Ques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                            | 시험시간                    | 80 minutes         |
| 대 항목<br>Title                                                                                                    | 중 항목<br>Sub title                                                      | 세부항목<br>Detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              | 문항 수<br>No. of<br>Ques. | 비율<br>Distribution |
| CQI 표준의<br>적용에 대한<br>구술 시험<br>Oral<br>examination<br>on the<br>application of<br>the respective<br>CQI standards | 각 CQI 표준에<br>대한 기술시험<br>Technical testing<br>for each CQI<br>standards | <ul style="list-style-type: none"> <li>● CQI-9 열처리</li> <li>● CQI-11 도금</li> <li>● CQI-12 코팅</li> <li>● CQI-15 용접</li> <li>● CQI-17 납땜</li> <li>● CQI-27 주조</li> <li>● CQI-23 성형</li> <li>● CQI-29 브레이징</li> <li>● CQI-30 고무 성형</li> <li>● CQI-9 Heat Treat</li> <li>● CQI-11 Plating</li> <li>● CQI-12 Coating</li> <li>● CQI-15 Welding</li> <li>● CQI-17 Soldering</li> <li>● CQI-27 Casting</li> <li>● CQI-23 Molding</li> <li>● CQI-29 Brazing</li> <li>● CQI-30 Rubber Molding</li> </ul> <p>9가지 CQI 표준 적용에 대하여 각각 최소4가지<br/>주제를 평가함.<br/>For each of the nine CQI standards, at least four<br/>topics are evaluated.</p> |                                              | 4                       | 100                |