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1.0 CONDUCT OF EXAMINATION

- 1.1 The applicant shall fulfil the minimum requirements for prerequisites and vision testing prior to taking the qualification examination.
- 1.2 All examinations shall be conducted only at examination centres established, approved, and monitored by the Certification Department.
- 1.3 At the time of examination, the applicant shall present valid proof of identification together with the official notification of examination, both of which shall be shown to the examiner or invigilator upon request.
- 1.4 Any applicant who, during the examination, fails to comply with the rules, engages in fraudulent conduct, or is found to be an accessory to such conduct shall be disqualified and prohibited from all further qualification examinations for a minimum period of one (1) year.
- 1.5 Applicants shall not be permitted to bring personal items into the examination area, unless specifically authorized by the examiner.
- 1.6 During the examination, applicants shall be required to select the best possible answer from the options provided.
- 1.7 The Examination Department shall be responsible for the administration and initial grading of examinations. Final grading, however, shall remain the responsibility of the Certification Department.
- 1.8 All examination questions shall be approved by the Certification Department. Questions shall be selected in a random and unpredictable manner from the RSA question bank valid at the date of the examination.
- 1.9 Written examinations, whether conducted electronically (e-assessment) or in conventional paper-based format, shall be invigilated either by an examiner or by one or more trained invigilators operating under the responsibility of an examiner.
- 1.10 To preserve impartiality, an examiner shall not be permitted to examine any applicant:

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- a. That he has trained for the examination for a period of two years from the date of the conclusion of the training activities.
- b. Who is working (permanently or temporarily) in the same facility as the examiner.

1.11 Final grading shall be the responsibility of Certification Department.

2.0 EXAMINATION

2.1 Assistant Plant Inspector

2.1.1 The Assistant Plant Inspector applicant shall be required to sit for a closed-book examination consisting of forty (40) multiple-choice questions covering the following subjects, as applicable:

- a. Visual Inspection
- b. API 572 Inspection of Pressure Vessel
- c. API 574 Inspection Practices for Piping System Components
- d. API 575 Inspection of Atmospheric and Low-Pressure Storage

2.1.2 The examination shall be completed within 90 minutes.

2.2 Plant Inspector

2.2.1 Requirements

2.2.1.1 The examinations shall consist of closed-book and opened-book

2.2.1.2 Pressure Vessel Inspector applicant shall be required to complete Part A and Part B examinations as specified in Table 1.

2.2.1.3 Process Piping Inspector applicant shall be required to complete Part A and Part C examinations as specified in Table 1.

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2.2.1.4 An Aboveground Storage Tank Inspector applicant shall be required to complete Part A and Part D examinations as specified in Table 1.

Table 1: Number of Questions

No.	Reference Document	Pressure Vessel		Process Piping		Aboveground Storage Tank	
		Closed Book	Opened Book	Closed Book	Opened Book	Closed Book	Opened Book
Part A							
1	<u>Introduction to Plant Inspector</u>	3	-	3	-	3	-
2	<u>Introduction to Petrochemical Processing</u>	3	-	3	-	3	-
3	<u>Visual Inspection</u>	3	-	3	-	3	-
4	<u>Quality Management System and Quality Control</u>	3	-	3	-	3	-
5	API 571	4	4	7	4	7	4
6	API 576	3	4	7	4	7	4
7	API 577	7	4	7	4	7	4
8	ASME V	7	4	7	4	7	4
9	ASME IX	7	4	7	4	7	4
Part B							
1	<u>Introduction to Pressure Vessel</u>	5	-				
2	API 510	15	12				
3	API 572	12	8				
4	API 578	5	2				
5	ASME VIII, Division 1	8	5				
6	<u>ASME PCC-2</u>	5	3				
Part C							
1	<u>Introduction to Process Piping</u>			5	-		
2	API 570			15	12		
3	API 574			10	7		
4	API 578			5	2		
5	ASME B16.5			5	2		
6	ASME B31.1			5	4		
7	<u>ASME PCC-2</u>			5	3		
Part D							
1	<u>Introduction to AST</u>					5	-
2	API 575					10	7
3	API 650					8	4
4	API 651					5	2
5	API 652					5	2
6	API 653					17	15
Total Questions		90	50	90	50	90	50

2.2.2 Closed-book Examination

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2.2.2.1 The closed-book examination shall assess the applicant on knowledge and tasks requiring everyday working familiarity with the applicable reference documents listed in Table Plant Inspectors Competency Requirements.

2.2.2.2 The applicant shall be given a total of ninety (90) multiple-choice questions, as specified in Table 1.

2.2.2.3 The examination shall be completed within one hundred and fifty (150) minutes.

2.3 Specialist Plant Inspector

2.3.1 The Specialist Plant Inspector applicant shall be given an eighty (80) multiple-choice, closed-book examination covering the following subjects, whichever is applicable:

- a. API 571 Damage Mechanisms Affecting Fixed Equipment in the Refining Industry.
- b. API 579-1 Fitness-For-Service
- c. API 580 Risk-Based Inspection.

2.3.2 The examination shall be completed within 180 minutes.

3.0 RE-EXAMINATION

3.1 General

3.1.1 Applicants failing for reasons of unethical behaviour shall wait at least twelve (12) months before reapplying.

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3.1.2 Applicants who fail to obtain the pass grade for any examination part may be re-examined up to three (3) times in the failed part(s), provided that the re-examination takes place not sooner than thirty (30) days (unless further training acceptable to RSA is satisfactorily completed), and not later than three (3) years after the original examination.

3.1.3 Applicants may take the first retest of the failed part(s) without additional training. Only one retest without documented evidence of additional training is permitted.

3.1.4 Applicants failing all permitted re-examinations shall apply for and take the full examination in accordance with the procedure established for new personnel.

3.2 Assistant Plant Inspector

Assistant Plant Inspector applicant taking 2nd or 3rd retest shall require documented evidence of additional training in accordance with Section Training Requirements- Assistant Plant Inspector.

3.3 Plant Inspector

Plant Inspector applicants taking a second or third retest shall provide documented evidence of additional training in accordance with the following:

- Full 2-part re-examination, minimum forty (40) hours of further training received in all applicable subjects listed in Table Plant Inspectors Competency Requirements.
- Part A retest, minimum sixteen (16) hours of further training received in the subjects listed under Part A in Table Plant Inspectors Competency Requirements.

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- c. Part B, Part C or Part D retest, minimum twenty-four (24) hours of further training received in the subjects listed under Part B, Part C or Part D in Table Plant Inspectors Competency Requirements, whichever is applicable.

3.4 Specialist Plant Inspector

Specialist Plant Inspector applicant taking 2nd or 3rd retest shall require documented evidence of additional training in accordance with Section Training Requirements- Specialist Plant Inspector.