QUALITY CIRCLE FORUM OF INDIA

40th NATIONAL CONVENTION ON QUALITY CONCEPTS — NCQC 2026

BHUBANESWAR, ODISHA | 26–29 DECEMBER 2026

Theme: “Leading with Quality for Sustainable Growth and Self-Reliance”

PRE-EVALUATION CASE STUDY	ORAL PRESENTATION	KNOWLEDGE TEST
100 Marks	50 Marks	50 Marks (Online Test)

A. Pre-Evaluation of QC Case Studies — Marks Breakup

No.	Evaluation Criteria	Marks
1	Identification of Problems	**5**
2	Selection of Problem	**5**
3	Define the Problem	**10**
4	Analysis of problem	**10**
5	Find out Causes	**10**
6	Root Cause Analysis	**5**
7	Data Analysis on Root Causes	**10**
8	Development of solution	**15**
9	Foreseeing probable resistance	**5**
10	Trial Implementation and check performance	**10**
11	Regular implementation	**10**
12	Follow up & Review	**5**
TOTAL	Total Marks	**100**

B. Allied Concepts — Kaizen / LQC / Six Sigma / SMED

No.	Evaluation Criteria	Marks
1	Selection of Problem	**5**
2	Define the problem	**15**
3	Measurement of data on problem/problem analysis	**20**
4	Analysis of the problem for root causes	**20**
5	Implementation of the problem	**20**
6	Tangible / Intangible Gains	**10**
7	Control/follow-up	**10**
TOTAL	Total Marks	**100**

C. Allied Concepts — 5S

No.	Evaluation Criteria	Marks
1	Selection of Area/Problem	**5**
2	Present Status	**15**
3	Steps taken to implement 1S & 2S	**20**
4	Standardization steps taken	**20**
5	Tangible gains in terms of money, space, safety, time etc. and intangible gains	**20**
6	Follow up & stabilization	**10**
7	Any special activities taken	**10**
TOTAL	Total Marks	**100**

Note: Appropriate photographs, wherever applicable, should be included.

40th NCQC 2026 — EVALUATION CRITERIA

Integrated Safety Circle Case Study

Applicable for CCQC & NCQC | Project Type: Lead / Lag

Step	Description	Lead Marks	Lag Marks
Step-1	Identification of Hazard and Risk associated with them (Each complete filled row will deserve 0.4 marks).	**25**	**25**
1A	Recording of unsafe act and conditions with risk associated with them along with action taken for elimination as per format. Each complete filled row will deserve 0.4 marks subject to maximum 20 marks. First 50 observations will only be considered for evaluation purpose; rest can be segregated and shown either in tabular or graphical form.	**20**	**20**
1B	Observation = UA/(UA+UC) ≥ 75% = 5 marks; 50% ≤ UA/(UA+UC) < 75% = 3 marks; 25% ≤ UA/(UA+UC) < 50% = 2 marks; 5% ≤ UA/(UA+UC) < 25% = 1 mark; UA/(UA+UC) < 5% = 0 marks.	**5**	**5**
Step-2 (D)	Defining and selection of Problem	**9**	**9**
2A	Selection of Problem	**2**	**2**
2B	Planning with the help of Gantt or Milestone Chart	**2**	**2**
2C	Define the problem with the help of Flow diagram and description supported with photos etc.	**5**	**5**
Step-3 (M)	Measure the problem by ascertaining the facts (Human, Physical, Systemic) and 4W + 1H	**19**	**21**
3A	Physical Factor (facts with details)	**4**	**4**
3B	Human Factor (facts with details)	**4**	**4**
3C	Systemic Factor (facts with details)	**4**	**4**
3D	Approach for ascertaining the fact	**2**	**2**
3E	4W + 1H	**5**	**5**
3F	Develop the Chronology (for Incident)	**0**	**2**
Step-4 (A)	Analysis	**25**	**25**

Step	Description	Lead Marks	Lag Marks
4A	Physical	**5**	**5**
4B	Human	**5**	**5**
4C	Systemic	**5**	**5**
4D	Approach & logic to find out root cause (systemic) with the help of Tree diagram / Cause & Effect diagram.	**5**	**5**
4E	Validation of Root Causes	**5**	**5**
Step-5 (I)	Improve [Solution development and Implementation]	**13**	**11**
5A	Recommendation and developing solution and implementation action plans	**5**	**3**
5B	Record & communicate (After Approval granted)	**2**	**2**
5C	Implementation of solutions using PDCA	**2**	**2**
5D	Comparative milestone chart	**2**	**2**
5E	Assess Gains [Tangible/Intangible]	**2**	**2**
Step-6 (C)	Control [Review by using appropriate tools]	**9**	**9**
6A	Follow Up and Review	**2**	**2**
6B	Training	**2**	**2**
6C	Check List	**2**	**2**
6D	Standardization / Documentation	**2**	**2**
6E	Before and after Comparison	**1**	**1**
TOTAL	Total Marks	**100**	**100**

40th NCQC 2026 — EVALUATION CRITERIA

Lean Safety Circle Case Study

Applicable for CCQC & NCQC | Project Type: Lead / Lag

Step	Description	Lead Marks	Lag Marks
Step-1 (D)	Defining and selection of Problem	**13**	**13**
1A	Selection of Problem	**5**	**5**
1B	Planning with the help of Gantt or Milestone Chart	**2**	**2**
1C	Define the problem with the help of Flow diagram and description supported with photos etc.	**6**	**6**
Step-2 (M)	Measure the problem by ascertaining the facts (Human, Physical, Systemic) and 4W + 1H	**23**	**26**
2A	Physical Factor (facts with details)	**5**	**5**
2B	Human Factor (facts with details)	**5**	**5**
2C	Systemic Factor (facts with details)	**5**	**5**
2D	Approach for ascertaining the fact	**3**	**3**
2E	4W + 1H	**5**	**5**
2F	Develop the Chronology (for Incident)	**0**	**3**
Step-3 (A)	Analysis	**32**	**32**
3A	Physical	**6**	**6**
3B	Human	**6**	**6**
3C	Systemic	**6**	**6**
3D	Approach & logic to find out root cause (systemic) with the help of Tree diagram / Cause & Effect diagram.	**8**	**8**
3E	Validation of Root Causes	**6**	**6**

Step	Description	Lead Marks	Lag Marks
Step-4 (I)	Improve [Solution development and Implementation]	**18**	**15**
4A	Recommendation and developing solution and implementation action plans	**6**	**3**
4B	Record & communicate (After Approval granted)	**3**	**3**
4C	Implementation of solutions using PDCA	**3**	**3**
4D	Comparative milestone chart	**3**	**3**
4E	Assess Gains [Tangible/Intangible]	**3**	**3**
Step-5 (C)	Control [Review by using appropriate tools]	**14**	**14**
5A	Follow Up and Review	**3**	**3**
5B	Training	**3**	**3**
5C	Check List	**3**	**3**
5D	Standardization / Documentation	**3**	**3**
5E	Before and after Comparison	**2**	**2**
TOTAL	Total Marks	**100**	**100**