

CBCS SCHEME - Make-Up Exam

BCV657D

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Question Paper Version : A

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025 Quality Control and Quality Assurance

Time: 1 hr

Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the **fifty** questions, each question carries one mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. **For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

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1. Who introduced the 14 points for management to improve quality?
a) Joseph Juran
b) Philip Crosby
c) W. Edward Deming
d) Kaoru Ishikawa
 2. What does the acronym PDCA stand for?
a) Plan-Design-Check-Act
b) Plan-Do-Check-Act
c) Plan-Do-Check-Analyze
d) Prepare-Do-Check-Act
 3. Who is known for the phrase "Quality is Free" and the "Zero Defects" concept?
a) W. Edwards Deming
b) Joseph M Juran
c) Philip B Crosby
d) Kaoru Ishikawa
 4. Quality Assurance differs from quality control in that it
a) Is preventive in nature
b) Is reactive
c) Focuses only on inspection
d) Involve rework
 5. Which is not part of the cost of quality
a) Appraisal cost
b) Prevention cost
c) Internal failure cost
d) Development cost
 6. Quality Engineering is focused on :
a) Project cost
b) Inspection
c) Marketing
d) Design and Analysis
 7. Poor Quality in construction results in :
a) Rework
b) Cost saving
c) Early completion
d) Higher strength

23. Standard deviation represents :
- a) Average
 - b) Dispersion of data
 - c) Deviation from standard
 - d) Mode
24. Sampling helps in :
- a) Cost estimation
 - b) Population control
 - c) Inventory management
 - d) Predicting population characteristics
25. IS 456 : 2000 provides guidelines on :
- a) Soil Testing
 - b) Concrete sampling
 - c) Steel welding
 - d) Curing time
26. Which is not a measure of variability
- a) Mode
 - b) Range
 - c) Standard deviation
 - d) Variance
27. In statistics a population is :
- a) Sample
 - b) Error Margin
 - c) Entire data set
 - d) Controlled subset
28. Acceptance criteria of concrete is based on :
- a) Visual check
 - b) Water cement ratio
 - c) Finish Quality
 - d) Test results and deviation
29. If the number of samples increases, the reliability of test
- a) Decreases
 - b) Increases
 - c) Becomes inconsistent
 - d) Remains same
30. IS 456 : 2000 recommends minimum sample for torque concrete volume as :
- a) 1 sample
 - b) 2 samples
 - c) 3 samples
 - d) 4 samples
31. Which test is used to determine cement fineness?
- a) Blaine's air permeability
 - b) Vicat Apparatus
 - c) Slump test
 - d) Rebound Hammer
32. A common error during concreting is
- a) Proper curing
 - b) Correct placement
 - c) Segregation
 - d) Adequate reinforcement
33. Which IS Code is used for sand testing?
- a) IS 456
 - b) IS 383
 - c) IS 10262
 - d) IS 2386
34. Quality control of steel bars includes :
- a) Shape inspection
 - b) Paint color
 - c) Density test
 - d) Tensile strength test
35. Cement should be tested for :
- a) Hardness
 - b) Colour
 - c) Taste
 - d) Initial and Final setting time
36. Which property of concrete is tested by slump test?
- a) Strength
 - b) Setting time
 - c) Workability
 - d) Durability
37. Which of these is not a quality control measure?
- a) Lab testing
 - b) Rework
 - c) Visual check
 - d) On-site inspection

