

Test Booklet Serial No.	103219
Test Booklet Code	BCA

Candidate's Roll No.							
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Time: 2 hours

Maximum Marks: 100

Read the following instructions carefully before you begin to answer the questions.
This Booklet contains questions in English only

**WRITTEN TEST FOR THE POST OF ELECTRONIC ASSISTANT (WORKSHOP)/
TECHNICAL ASSISTANT (ELECTRONICS) – AUGUST 2014**

INSTRUCTIONS TO CANDIDATES:

1. Before you start please check whether:
 - a. **The Test Booklet Serial No. and the OMR Answer Sheet Serial No. are same.**
 - b. All the pages in the question book are in order, and intact; and
 - c. Questions 1 to 100 are available.

Note: If you find any defect/s in the above mentioned points in this Test Booklet/OMR Sheet, you must inform the Invigilator and get both of them replaced with another set immediately.

2. Use only the **BLACK/BLUE BALL POINT PEN** that is provided to you to write/mark in the answer sheet.
3. Write your Roll Number in the box above.
4. This Booklet contains 100 questions
5. All the questions carry equal marks. Each Correct response will be given 1 (One) mark.
6. Negative marks will be there for wrong answers. 0.25 marks will be deducted for each wrong answer.
7. You have to use only the OMR Answer Sheet which is given along with this Question Booklet for answering the questions. You must complete the details in the prescribed places in the OMR Answer Sheet failing which your OMR Answer Sheet will not be evaluated.
8. The questions are of multiple-choice type. **FOUR** suggested answers **A, B, C** and **D** follow each question. Only one of them is the most appropriate. Select the most appropriate answer and **DARKEN THE CORRESPONDING OVAL IN THE ANSWER SHEET.** For eg:

A	●	C	D
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9. **ONLY ONE** answer is to be darkened for each question. No correction is feasible as the marking is to be done with pen. Marking of wrong options as well as multiple markings will be treated as wrong and negative marks will be awarded accordingly.
10. As the Answer Sheet will be evaluated by a machine only, the marking of the answers by shading of the ovals may be done carefully.
12. Rough work **should not be done on the answer sheet or in the Question Booklet** other than in the 'Space for Rough Work' provided at the end of the Question Booklet.
13. Mobile phones, wireless communication devices or any other devises/equipments are completely banned within the examination halls/rooms. Candidates are advised not to bring any such devises/equipments into the examination hall/room even by switching them off as these will not be permitted inside the hall/room. The candidature of those candidates who do not comply with these instructions will be cancelled without further notice and they will not be allowed to appear in the written test.
14. This booklet should be **RETURNED INTACT** at the end of the examination failing which the candidature of the candidates will be cancelled without intimation and his/her Answer Sheet will not be evaluated.

TEST BOOKLET BCA

PART – A [Consists of technical questions]

1. An integrating digital voltmeter measures
 - A) true average value
 - B) rms value
 - C) peak value
 - D) peak to peak value

2. Resistors R1 and R2 have the nominal values 3Ω and 6Ω and tolerance of $\pm 10\%$ and $\pm 5\%$ respectively. What would be the tolerance in the equivalent resistance value when R1 and R2 are connected in parallel
 - A) $\pm 3.33\%$
 - B) $\pm 15\%$
 - C) $\pm 4.47\%$
 - D) $\pm 6.34\%$

3. The minimum number of watt meters required to measure 3 phase 3 wire balanced or unbalanced power is
 - A) 1
 - B) 2
 - C) 3
 - D) 4

4. The scale of voltmeter is uniform. Its type is
 - A) moving iron
 - B) Induction
 - C) moving coil permanent magnet
 - D) moving coil dynamometer

5. A oscilloscope 4cmX4cm screen has its own sweep out, fed back to its input if x&y Sensitivities are same, the oscilloscope will display
 - A) triangular wave
 - B) diagonal line
 - C) sine wave
 - D) Circle

