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Question Paper Code : 80041

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2019

Second Semester

Electronics and Communication Engineering

BE 8254 — BASIC ELECTRICAL AND INSTRUMENTATION ENGINEERING

(Common to Computer and Communication Engineering/ Electronics and
Telecommunication Engineering)

(Regulation 2017)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write any two advantages of three phase power system.
2. Define power factor.
3. Why the transformer rating in KVA?
4. Define all efficiency of transformer.
5. List the types of DC generator.
6. What you mean by Universal motor?
7. Compare salient pole alternator with non-salient pole alternator.
8. List any two applications of stepper motor.
9. Define repeatability of an instrument.
10. Name the type of transducer.

PART B — (5 × 13 = 65 marks)

11. (a) Describe the star to delta and Delta to star conversion with suitable sketch and necessary relations. (13)

Or

- (b) (i) Explain the difference between overhead and underground system. (7)
- (ii) Draw the single line diagram of the power system network from the generating station to utilization. (6)

Basic Instrumentation Question Papers

Ernest Alfred Dicks



Basic Instrumentation Question Papers:

Basic Electronics Rakesh Kumar Garg, Ashish Dixit, Pavan Yadav, 2008 Specimen Questions from a Handbook of Examinations in Music Ernest Alfred Dicks, 1903 *A handbook of examinations in music, containing 600 questions, with answers* Ernest Alfred Dicks, 1898 **A Handbook of Examinations in Music Containing 600 Questions, with Answers, in Theory, Harmony, Counterpoint, Form, Fugue, Acoustics, Musical History, Organ Construction, and Choir Training, Together with Miscellaneous Papers as Set by Various Examining Bodies** Ernest Alfred Dicks, 1904

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Question Bank of Biochemistry Rashmi Atul Joshi, 2009

Biochemistry is the branch of science which deals with the biomolecular I.E. Carbohydrates, Proteins, Nucleic Acids etc. The subject is highly advanced and involves tremendous biochemical principles and techniques which are revised every day. The question bank has been written to make biochemistry easy for students. The answers are brief to the point and informative. The book starts with biophysics and instrumentation which covers principles, working uses of the instruments frequently encountered in the biochemistry laboratory. Various questions are provided for carbohydrates, lipids, nucleic acids, enzymes etc. Special efforts have been put to write questions on hormones, diet and nutrition and organ function tests. This book will be useful for students of various disciplines including medical, dental, homoeopathy graduation courses of different Indian universities also.

Instrumentation and Automation in the Paper, Rubber, Plastics,

and Polymerisation Industries A. van Cauwenberghe,1981 Covers pulp plastics paper web extruders pulp processes polymerisation computers human engineering paper recycling drives process production

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Southern Pulp and Paper ,1985

Instrumentation in the Pulp and Paper Industry ,1972

Instrumentation Technology ,1971

The Musical Standard ,1880

Journal of the Royal Society of Arts ,1880

Encyclopedia of Instrumentation for Industrial Hygiene University of Michigan. Institute of Industrial Health,1956

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