

*Electrical Machines >> Transformer*

## Transformer MCQ - Objective Question with Answer for Transformer

### Question 1:

Efficiency of transformer is:

#### Options:

1. 98%
2. 85%
3. 75%
4. 72%

**Correct Answer: Option 1 (Solution Below)**

#### Solution:

*The efficiency of a transformer is the ratio of output power to input power.*

*It can be expressed as,*

$$\eta = \frac{P_{out}}{P_{in}} = \frac{kVA \cos \phi}{kVA \cos \phi + P_{cu} + P_i}$$

#### Copper loss ( $P_{cu}$ ):

*A loss in a transformer that takes place in the winding resistance of a transformer is known as copper loss.*

# Objective Questions And Answers On Transformer

**Yijin Wang**



## **Objective Questions And Answers On Transformer:**

**A Textbook of Electrical Technology** BL Theraja, 2014-07 For Mechanical Engineering Students of Indian Universities  
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questions on Admittance parameters g parameters h parameters hybrid parameters impedance parameters interconnection of networks interconnection of two port networks introduction pi equivalent t parameters terminals and ports transmission parameters two port network y parameters and z parameters The Waveform and Signals MCQ PDF e Book Chapter 30 practice test to solve MCQ questions on Average and effective RMS values combination of periodic functions exponential function non periodic functions periodic functions random signals sinusoidal functions time shift and phase shift trigonometric identities unit impulse function and unit step function

**Electrician Power Distribution MCQ** Manoj Dole, Electrician Power Distribution MCQ is a simple Book for ITI Engineering Course Electrician Power Distribution NSQF Syllabus It contains objective questions with underlined bold correct answers MCQ covering all topics including all about Professional Skill Professional Knowledge and Employability Skills related to job role In addition to this a candidate is entrusted to make do project work and Extra Curricular Activities to build up confidence The practical skills are imparted in simple to complex manner simultaneously theory subject is taught in the same fashion to apply cognitive knowledge while executing task The broad components covered under Professional Skill subject are as below

**FIRST YEAR** The trainee learns about safety and environment use of fire extinguishers practices elementary first aid rescue a person and artificial resuscitation He gets the idea of trade tools its standardization identifies different types of conductors cables their skinning jointing soldering and crimping etc Basic electrical laws like Kirchhoff s law ohm s law laws of resistances and their application in different combinations of electrical circuits are practiced along with laws of magnetism The trainee practices on circuit for single phase and poly phase circuits for 3 wire 4 wire balanced unbalanced loads and working with analog and digital measuring instruments The trainee work with different electronic components circuits and analyze waveforms in CRO The trainee learns about testing and maintenance of batteries and solar cell Wiring practice with installation of different accessories like ICDP switch distribution fuse box and mounting energy meters are practiced as per IE rules and its fault detection is done by trainee Different types of light fitting are to be done like fluorescent tube HP sodium vapour lamp LEDs and their fixtures He learns Practice reading of power and control schematic drawings of motors and starters Operation testing and maintenance of induction motors alternators and synchronous motors are practiced The trainee learns to perform auto tuning and operation of AC drives Learns to repair and installation of inverter stabilizer battery charger and UPS

**SECOND YEAR** The trainee practices on control cabinet wiring and testing of control elements Understands power generation transmission and distribution network He identifies various substation equipment viz isolators over current relays earth fault relay differential relay REF relay lightening arresters Surge counter wave trap Reactor Capacitor bank Circuit breakers ACB SF 6 and VCB etc Practices operation and maintenance of isolators circuit breakers and other equipments used in distribution substations Skill will be gained on transformer for operation maintenance and functional tests viz open circuit short circuit IR PI induced voltage BDV of transformer oil etc He practices on LT HT cable jointing laying of cables tests and

fault finding of underground cables The trainee learns to install test repair and replace Current and Potential transformers used in distribution substations The trainee practices for pipe plate and meshearthring and carries out maintenance of earth system Identifies various conductors ACSR AAC ABC and cable insulation Practices on joining of overhead line conductors erection of poles fitting of accessories and commissioning of distribution line He learns to monitor meter readings reading of MRI reports generating electricity bills using SBM and maintaining log sheets at substations Practices isolation and switching procedure lock out tag out system settings of relays examine faults in control room and repair substation equipment and panels The Trainee also learns and practices on fire fighting equipment used in substations      Electrical Machines Samarjit Ghosh,2005-09      Electric Motors and Transformers (Theory and Practicals) Sanjay B. Bodkhe,2025-06-01      **Electrical Power Systems** C L Wadhwa,2006 In A Clear And Systematic Manner This Book Presents An Exhaustive Exposition Of The Various Dimensions Of Electrical Power Systems Both Basic And Advanced Topics Have Been Thoroughly Explained And Illustrated Through Solved Examples Salient Features Fundamentals Of Power Systems Line Constant Calculations And Performance Of Overhead Lines Have Been Discussed Mechanical Design Of Lines Hvdc Lines Corona Insulators And Insulated Cables Have Been Explained Voltage Control Neutral Grounding And Transients In Power Systems Explained Fault Calculation Protective Relays Including Digital Relays And Circuit Breakers Discussed In That Order Power Systems Synchronous Stability And Voltage Stability Explained Insulation Coordination And Over Voltage Protection Explained Modern Topics Like Load Flows Economic Load Dispatch Load Frequency Control And Compensation In Power System Nicely Developed And Explained Using Flow Charts Wherever Required Zbus Formulation Power Transformers And Synchronous Machines As Power System Elements Highlighted Large Number Of Solved Examples Practice Problems And Multiple Choice Questions Included Answers To Problems And Multiple Choice Questions Provided With All These Features This Is An Invaluable Textbook For Undergraduate Electrical Engineering Students Of Indian And Foreign Universities Amie Gate All Competitive Examination Candidates And Practising Engineers Would Also Find This Book Very Useful      *A Textbook of Electrical Technology - Volume II* BL Theraja,2005 A multicolor edition of Vol II of A Textbook of Electrical Technology to keep pace with the ever increasing scope of essential and morden technical information the syllabi are frequently revised This often result into compressing established facts to accommodate recent information in the syllabi Fields of power electronics and industrial power conditioners have grown considerably resulting into changed priority of topics related to electrical machines Switched reluctance motors tend to threaten the most popular squirrel cage induction motors due to their increased ruggedness better performance including controllability and equal ease with which they suit rotary as well as linear motion applications      **Objective Electronics eBook PDF** Chandresh Agrawal,nandini books,2024-05-15 SGN The eBook Objective Electronics Covers Objective Questions From Various Competitive Exams With Answers      ,  
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**Basic Electrical Engineering** Ritu Sahdev, Although a number of books written by various authors on the subject are available in the market However the author feels that this book will facilitate the students



not only to prepare for the regular University examinations The book is also quite suitable for the professionals since many live examples have been incorporated The book has the following exclusive features i The Learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students ii Practice exercise have been added in all the chapters after suitable intervals to impart necessary practice iii At the end of each chapter its summary highlights are given This will enable the students to revise the subject matter quickly iv A number of short answer and test questions have been given at the end of each chapter While answering these questions the readers will have to think deep into the subject matter This will improve their analytical approach Consequently the students readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems v A sufficient number of objective type questions MCQ have been given at the end of each chapter These questions will help the students to perform better in the competitive examinations vi The subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily Although typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding

*Artificial Intelligence in Education. Posters and Late Breaking Results, Workshops and Tutorials, Industry and Innovation Tracks, Practitioners' and Doctoral Consortium* Maria Mercedes Rodrigo, Noburu Matsuda, Alexandra I. Cristea, Vania Dimitrova, 2022-07-25 This two volume set LNAI 13355 and 13356 constitutes the refereed proceedings of the 23rd International Conference on Artificial Intelligence in Education AIED 2022 held in Durham UK in July 2022 The 40 full papers and 40 short papers presented together with 2 keynotes 6 industry papers 12 DC papers 6 Workshop papers 10 Practitioner papers 97 Posters and Late Breaking Results were carefully reviewed and selected from 243 submissions The conference presents topics such as intelligent systems and the cognitive sciences for the improvement and advancement of education the science and engineering of intelligent interactive learning systems The theme for the AIED 2022 conference was AI in Education Bridging the gap between academia business and non profit in preparing future proof generations towards ubiquitous AI Advances in Information Retrieval Djoerd

Hiemstra, Marie-Francine Moens, Josiane Mothe, Raffaele Perego, Martin Potthast, Fabrizio Sebastiani, 2021-03-26 This two volume set LNCS 12656 and 12657 constitutes the refereed proceedings of the 43rd European Conference on IR Research ECIR 2021 held virtually in March April 2021 due to the COVID 19 pandemic The 50 full papers presented together with 11 reproducibility papers 39 short papers 15 demonstration papers 12 CLEF lab descriptions papers 5 doctoral consortium papers 5 workshop abstracts and 8 tutorials abstracts were carefully reviewed and selected from 436 submissions The accepted contributions cover the state of the art in IR deep learning based information retrieval techniques use of entities and knowledge graphs recommender systems retrieval methods information extraction question answering topic and prediction models multimedia retrieval and much more *Information Technology MCQ* Manoj Dole, Information Technology MCQ is a simple Book for ITI Engineering Course Information Technology It contains objective questions with

underlined bold correct answers MCQ covering all topics including all about the latest Important about Information Technology trade a candidate is trained on professional skill professional knowledge and Engineering Drawing Workshop Calculation Science and Employability skill related to job role In addition to this a candidate is entrusted to undertake project work and extracurricular activities to build up confidence The broad components covered under Professional Skill subject are as below

**FIRST YEAR** In this year the trainee learns about safety and environment use of various trade tools safety measures involved in the industry Gain basic knowledge of Electrical and Electronic components related to Computer and Networking system They learn about assembling and servicing of Desktop computer hardware components Trainee learns about Installing UNIX LINUX other operating system with application software and Adding new users software material components Identification of laptop sections and connectors Assembling and disassembling a Laptop troubleshooting Latest Tools Gadgets for Desktop Laptop Repairs They learn to install and use different types of printers Scanner MFD Scanner Trainees are able to install and configuration Monitor display card and driver front panel controls and settings Practice on Backup Drives Maintenance and Troubleshooting of PC They can also assemble disassemble of Tablet Smart Devices The trainee learns to work on MS office package word excel power point outlook They learn to design graphics using Adobe Page maker Corel draw and Adobe Photoshop Trainees are able to create email account chat and browse through internet and Microsoft Outlook Express They learn to design and develop web pages using HTML They perform create and record various formats of multimedia audio and video files using digital audio and video editor tools Trainees are able to create customized database files using Microsoft Access and Visual Basic

**SECOND YEAR** In this year the trainee learns Network fundamentals They also learn to set up and configuring Networking System using various network devices Trainees are able to configure Data communication equipment Network Protection and troubleshooting Server Installation managing Server Network Security Linux Server installation and configuration Network Security The trainee learns about image editing and graphic design using Adobe Illustrator and Flash video and audio editing using Adobe Premier They learns to create graphics animation using Adobe after Effects and 3Ds Max They learn to design webpage using Front Page also use HTML and PHP embedding VBScript JavaScript and publish in a local server They will learn basic python based coding and programming They learn about functions operators expressions priorities bindings strings list modules errors and etc Trainees are also learn to use Dreamweaver and also on practice on Open Source Tools for Web Designing and Information Security Vulnerabilities We add new question answers with each new version Please email us in case of any errors omissions This is arguably the largest and best e Book for All engineering multiple choice questions and answers As a student you can use it for your exam prep This Book is also useful for professors to refresh material

*New Technology in Education and Training*  
Jon-Chao Hong, 2024-08-14 This book presents the selected papers of the 5th International Conference on Advance in Education and Information Technology AEIT 2024 which was held in Nagoya Japan 2024 January 5 7 With a worldwide

increase in technology enhanced learning in school and industry settings there has been a progressive increase in the implementation of new technology in education and training Issues surrounding teaching approaches classroom management and the evaluation of learning effectiveness are now considered of global concern Topics and technical areas covered include but are not limited to Online Virtual Laboratories Classroom and Laboratory Integration Managed Learning Environments MLEs Learning Management Systems LMS Collaborative Virtual Environments CVEs and Experiences in Educational Serious Games This book serves as a useful reference for early career scholars academics entrepreneurs and professionals who are working in the field of implementing new technology in education and training

**Artificial Intelligence, Machine Learning, and Mental Health in Pandemics** Shikha Jain,Kavita Pandey,Princi Jain,Kah Phooi Seng,2022-04-22 Artificial Intelligence Machine Learning and Mental Health in Pandemics A Computational Approach provides a comprehensive guide for public health authorities researchers and health professionals in psychological health The book takes a unique approach by exploring how Artificial Intelligence AI and Machine Learning ML based solutions can assist with monitoring detection and intervention for mental health at an early stage Chapters include computational approaches computational models machine learning based anxiety and depression detection and artificial intelligence detection of mental health With the increase in number of natural disasters and the ongoing pandemic people are experiencing uncertainty leading to fear anxiety and depression hence this is a timely resource on the latest updates in the field Examines the datasets and algorithms that can be used to detect mental disorders Covers machine learning solutions that can help determine the precautionary measures of psychological health problems Highlights innovative AI solutions and bi statistics computation that can strengthen day to day medical procedures and decision making

**Study Material of Electrical Machine (EE) Ebook for GATE & ESE (Theory & Questions) Volume 1** Umesh Dhande,2025-08-03 It is our pleasure that we insist on presenting Electrical Machines Volume 01 authored for Electrical Engineering to all of the aspirants and career seekers The prime objective of this book is to respond to tremendous amount of ever growing demand for error free flawless and succinct but conceptually empowered solutions to subject Electrical Machine This book serves to the best supplement the texts for Electrical Engineering and Electrical Electronics Engineering Simultaneously having its salient feature the book comprises Concise in depth explanations of all course concepts 450 practice problems with step by step solution Self assessment test after each topic Concept building MCQs and NATQs at the end of each chapter Value addition for ESE PSUs DRDO SAIL ISRO other competitive exams The authors do not sense any deficit in believing that this title will in many aspects be different from the similar titles within the search of student We would like to express our sincere appreciation to Mrs Sakshi Dhande Mam Co founder GATE ACADEMY Group for her constant support and constructive suggestions and comments in reviewing the script In particular we wish to thank GATE ACADEMY expert team members for their hard work and consistency while designing the script The final manuscript has been prepared with utmost care However going a line that

there is always room for improvement in anything done we would welcome and greatly appreciate the suggestions and corrections for further improvement      *Auto-Grader - Auto-Grading Free Text Answers* Robin Richner,2022-10-14 Teachers spend a great amount of time grading free text answer type questions To encounter this challenge an auto grader system is proposed The thesis illustrates that the auto grader can be approached with simple recurrent and Transformer based neural networks Hereby the Transformer based models has the best performance It is further demonstrated that geometric representation of question answer pairs is a worthwhile strategy for an auto grader Finally it is indicated that while the auto grader could potentially assist teachers in saving time with grading it is not yet on a level to fully replace teachers for this task      *Chapter-wise Topical Objective Study Package for CBSE 2022 Class 12 Term I Physics* Disha Experts,2021-09-01 Disha s Chapter wise Topical Study Package for CBSE 2022 Class 12 Term I Physics is designed on the exact lines of the latest syllabus and paper pattern prescribed by the CBSE board Circular dated July 22 2021 for the Term I Exam to be held in November The Book consists of a total of 7 Chapters of Term I Each chapter is divided into 3 4 Topics Each Topic covers exhaustive theory with Illustrations followed by an Objective Exercise consisting of MCQs AR Case based VSA SA Questions Further the Chapter covers Concept Maps Important Formulae NCERT Exemplar Past Year Questions The Past Solved Objective Questions covered in the book are from 2021 CBSE Sample Paper 2020 2019 2018 2017 In the end of the Chapter an Objective Practice Exercise and a Chapter Test is provided for final practice and assessment There are a total of 1200 Objective Questions with Solutions The book is a One Stop Solution for Learning Practice Revision

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