

## **ELECTRONICS AND COMMUNICATION ENGINEERING**

### **ANTENNAS AND WAVE PROPAGATION**

#### **TWO MARK QUESTIONS**

##### **1. Define an antenna.**

Antenna is a transition device or a transducer between a guided wave and a free space wave or vice versa. Antenna is also said to be an impedance transforming device.

##### **2. What is meant by radiation pattern?**

Radiation pattern is the relative distribution of radiated power as a function of distance in space .It is a graph which shows the variation in actual field strength of the EM wave at all points which are at equal distance from the antenna. The energy radiated in a particular direction by an antenna is measured in terms of FIELD STRENGTH.(E Volts/m)

##### **3. Define Radiation intensity?**

The power radiated from an antenna per unit

Prepared by : **LENIN RAJA**, Assistant Professor / Research Coordinator,

Sri Vidya College of Engineering & Technology, Virudhunagar, Tamilnada.

Mail to: [leninaucbe@gmail.com](mailto:leninaucbe@gmail.com); [lenin.sweet@gmail.com](mailto:lenin.sweet@gmail.com)

# Antenna And Wave Propagation Questions With Answers

**Disha Experts**



## **Antenna And Wave Propagation Questions With Answers:**

**Antenna and Wave Propagation** Ashish Mathur, Ranjana Trivedi, G.B. Mathur, 2011-01-01 This book is designed for the final year students in electronics and communication and for the first year post graduate students in Digital Communication and allied subjects This compact and comprehensive text fulfils the long felt need for a suitable text book in the area of Antenna and wave Propagation It is written as per the revised syllabus of Rajasthan Technical University RTU Kota It covers the topics of fundamentals of antenna types of antenna antenna arrays radio propagation modes with basics of IE3D software and advance antenna topics This well organized text lays emphasis on all the modes of propagation and practical aspects of antenna with worked out examples further previous year solved paper are included topic wise which would be of considerable assistance to the reader This comprehensive book covering all aspects of antenna and wave propagations should prove to be an invaluable asset to both students professionals Features According to the syllabus prescribed by Rajasthan Technical University RTU Kota Including previous year s university papers Precise definitions and clear exposure of fundamental concepts Simple and easy explanation of the topics along with well labelled diagrams Step by step procedure is followed for explaining the topics Detailed coverage of advance antennas helpful for the post graduation students The recent applications of antenna are also summarized here again proving fruitful for the M Tech Students IE3D software basic is been included for the purpose of dissertation for M Tech Students Ideally suitable for self study WAVE PROPAGATION AND ANTENNA ENGINEERING KUMAR, SANJAY, SHUKLA, SAURABH, 2015-12-14 The book is primarily designed to cater to the needs of undergraduate and postgraduate students of Electronics and Communication Engineering and allied branches It also caters for fundamental requirements of professionals working on design and development of antenna and wave propagation related equipment either in research laboratories or industries or academic institutions elsewhere The book has been written with intent to grasp the basic understanding of theoretical as well as practical aspects of electromagnetic wave propagation and antenna engineering The text has been aptly scripted considering the requirements of average students who can easily grasp and comprehend the basics of wave propagation and radiation mechanism of varieties of antennas coupled with their critical functionalities utilities advantages disadvantages without any external assistance of teachers or other reference books The book broaches very well on practical methods of parametric measurements of antenna with right measuring test equipment and associated tools The last chapter of the book is dedicated to advance technology adopted in design and development of modern antenna Key features A fairly large number of well labelled diagrams to provide practical understanding of the concepts The placement of numericals at appropriate places develops confidence among readers and enthruses them further to read in depth to crack any regular or competitive examinations Chapter summary highlights important points for quick recap and revision before examination Well crafted multiple choice questions with answers at the end of each chapter to stimulate thought process and prepare better for viva voce and competitive examinations Appropriate

number of unsolved numerical problems with answers to improve problem solving skill of students      *Antennas for Communication* Ruchi Kadwane Assistant Professor, SBITM, Betul (M.P.) Dr. Jaikaran Singh Professor, LNCT Bhopal (M.P.) Nitya,2022-01-01      **Oswaal NCERT Exemplar (Problems - Solutions) Class 12 Physics, Chemistry and Biology (Set of 3 Books) For 2024 Board Exam** Oswaal Editorial Board,2023-10-28 Description of the product Chapter wise and Topic wise presentation Chapter wise Objectives A sneak peek into the chapter Mind Map A single page snapshot of the entire chapter Revision Notes Concept based study materials Tips Tricks Useful guidelines for attempting each question perfectly Some Commonly Made Errors Most common and unidentified errors are focused Expert Advice Oswaal Expert Advice on how to score more Oswaal QR Codes For Quick Revision on your Mobile Phones and Tablets      *Navy Electricity and Electronics Training Series* Jerry W. Stewart,1983      *Oswaal NCERT Exemplar (Problems - Solutions) Class 12 Physics, Chemistry and Mathematics (Set of 3 Books) For 2024 Board Exam* Oswaal Editorial Board,2023-10-28 Description of the product Chapter wise and Topic wise presentation Chapter wise Objectives A sneak peek into the chapter Mind Map A single page snapshot of the entire chapter Revision Notes Concept based study materials Tips Tricks Useful guidelines for attempting each question perfectly Some Commonly Made Errors Most common and unidentified errors are focused Expert Advice Oswaal Expert Advice on how to score more Oswaal QR Codes For Quick Revision on your Mobile Phones and Tablets      **Wireless Networking Fundamentals Certification Prep Guide : 350 Questions & Answers** CloudRoar Consulting Services,2025-08-15 Prepare for the Wireless Networking Fundamentals exam with 350 questions and answers covering RF principles wireless standards network design security troubleshooting and best practices Each question provides practical examples and detailed explanations to ensure exam readiness Ideal for IT and network beginners WirelessNetworking Fundamentals RFPrinciples Standards NetworkDesign Security Troubleshooting BestPractices ExamPreparation CareerGrowth ProfessionalDevelopment Networking ITSkills WirelessSkills ITCertifications      **Communication Engineering-II (For Wbscte)** Soumen Banerjee, Kaushik Das & Biswarup Rana, With the increase in human population worldwide the need for efficient global connectivity is immense Telecommunication plays a crucial role in providing solution to this problem The widespread applications of telecommunication in the fields of microwave radars satellites mobiles wireless networks defence bio medical systems imaging sensors etc render immense service to mankind The book especially designed for the students of WBSCTE is the second in Communication Engineering series and written keeping in mind the necessary sequence for exploring the subject Starting from the basics of multiplexing and its techniques RF modulation for baseband signals the discussion in the book extends to advanced topics like microwave amplifiers and antennas and wave propagation KEY FEATURES Strict adherence to the WBSCTE syllabus Questions appeared in the examination of past 10 years provided along with their solution Large number of MCQs provided at the end of the book      **10 in One Study Package for CBSE Physics Class 12 with 5 Model Papers** Disha Experts,2017-08-29 10 in ONE CBSE Study Package

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In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Antenna And Wave Propagation Questions With Answers**," a mesmerizing literary creation penned by a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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