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B.E (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL/MAY 2019
AGRICULTURAL AND IRRIGATION ENGINEERING BRANCH
SECOND SEMESTER
PH 7253- PHYSICS FOR AGRICULTURAL AND IRRIGATION ENGINEERING
(Regulation 2015)

Time: 3hr

Max Mark: 100

Answer All Questions
Part – A (10x2=20 Mark)

1. What are the different types of source used for food irradiation?
2. What are the general application and dose categories referred for food irradiation?
3. What are the different types of Bio physical Methods used in Agriculture?
4. Name the effects that are achieved in environmental protection by the use of Bio Physical Method?
5. Define spectral signature and what is the role of it in remote sensing?
6. Write short notes on GIS?
7. Name the different types of water movement in soil with reasons?
8. Compare soil compaction and soil consolidation?
9. Name the parts present in external structure of leaf?
10. What is difference between photosystem I and Photosystem II?

Part – B (5x16=80Mark)

11. Give an account on various types of Interaction of Ionizing and Non-Ionizing radiation?
12. a) What are the effects of new methods implicated in agriculture in protection of Environment?
OR
b) Discuss in detail about the application and effects of Biophysical methods in agriculture?
13. a) Describe in detail Soil temperature and heat flow?
OR
b) Elaborate soil as a three phase system?
14. a) Give an account on the sensors used in remote sensing?
OR
b) Expound in detail about DIP?
15. a) Give an account on light reaction in Photosynthesis?
OR
b) Discuss in detail about Calvin cycle with a neat diagram?



Anna University Model Question Papers For Civil Engineering

M Carnoy



Anna University Model Question Papers For Civil Engineering:

Management Concepts for Civil Engineers K. Anbuvelan, 2005

BUILDING MATERIALS, SECOND EDITION

VARGHESE, P. C., 2015-02-26 This practice oriented book now in its second edition presents a lucid yet comprehensive coverage of the engineering properties and uses of the materials commonly used in building construction in India Profusely illustrated with tables and diagrams the book brings into light the basics of building materials and their specifications Besides giving information regarding the traditional building materials the text now acquaints the reader with up to date and in depth information pertaining to modern materials available in the market The references to IS codes and standards make this text suitable for further study and field use The second edition possesses some substantial changes in Chapters 12 13 14 and 20 Now the book offers a new section on durability of concrete in Chapter 12 a modified section regarding revision of IS 10262 1982 code on concrete mix design to IS 10262 2009 and a new section on classification of exposure conditions in Chapter 13 and a new section relating to large advances made in concrete construction and repair chemicals in Chapter 14 Besides the content of Chapter 20 has been completely updated with a particular emphasis on the extensive use of aluminium in building construction Primarily intended for the students pursuing undergraduate degree B E B Tech and diploma courses in civil engineering and architecture the book on account of lecture based presentation of the subject should also prove eminently utilitarian for the young teachers to use it in their classroom lectures as well as for practising engineers to get a clear understanding of the fundamentals of the subject NEW TO THE SECOND EDITION Review questions at the end of each chapter enable the reader to recapitulate the topics Considerable attention is given on field practice Syllabus of laboratory work on construction materials and a model question paper Anna University are given in appendices to guide the reader

BULIDING MATERIALS P. C. VARGHESE, 2005-01-01 This practice oriented book provides a lucid yet comprehensive coverage of the engineering properties and uses of the materials commonly used in building construction in India Profusely illustrated with tables and diagrams the book exposes the reader to the basics of building materials and their specifications The text also acquaints the reader with the traditional as well as modern materials available in the market The references to IS codes and standards make this text suitable for further study and field use This book is primarily designed as an introductory textbook for the students pursuing undergraduate degree B E B Tech and diploma courses in civil engineering and architecture Because of the lecture based presentation of the subject the text would also be of considerable benefit for the young teachers for their classroom lectures Practising engineers would also get a clear understanding of the fundamentals of the subject

Principles of Management MG-1351 K. Anbuvelan, 2007

Civil Engineering Practice:

Water resources Nicholas P. Cheremisinoff, Paul N. Cheremisinoff, Su Ling Cheng, 1987 *Recent Advances in Materials, Mechanical and Civil Engineering* P. Nageswara Rao, R. Kotaiah, D. Venkateswarlu, 2018-02-15 ICRAMMCE 2017 Selected peer reviewed papers from the International Conference on Recent Advances in Material Mechanical and Civil Engineering

2017 ICRAMMCE 2017 June 1 2 2017 Hyderabad India *Proceedings of the Institution of Civil Engineers* ,2005 **TERI**
Information Digest on Energy and Environment ,2006 *Journal of the Institution of Engineers (India)* . ,1997
Canadian Journal of Civil Engineering ,2005 PCI Journal ,2003 **Engineering News and American Railway**
Journal ,1892 Engineering News ,1886 **Engineering News and American Contract Journal** ,1886 *The*
American Engineer ,1883 *Computing in Civil Engineering* ,1996 **Computing in Civil Engineering** Jorge
 Vanegas,Paul Chinowsky,1996 Contains some 150 papers from the June 1996 congress examining computing applications in
 civil engineering practice and education as well as advanced computing theory and technologies Looks at applications in
 areas such as construction geotechnical engineering and transportation and applications of the Internet the WWW and
 multimedia in civil engineering and geographic information systems Other subjects include risk and reliability assessment
 and management visualization modeling and simulation artificial intelligence and advanced computing and interoperability
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