

Reference Books for Existing curriculum and syllabi

AM - IIW Degree - Reference Books

1. AME-1: ELEMENTARY MATHEMATICS

- Differential Calculus, Dhama H.S., 1998, New Age International (P) Ltd.
- Integral Calculus, Dhama H.S., 2001, New Age International (P) Ltd.
- Textbook of Engineering Mathematics, Debashis Datta, 2002, New Age International (P) Ltd.

2. AME-2: PHYSICS

- Engineering Physics, by Srivastava S.K., and Yadav R.A., New Age International (P) Ltd., Fourth Edition, 2006
- Physics for Engineers, by Srinivasan M.R., New Age International (P) Ltd., 1996

3. AME-3: CHEMISTRY

- Fundamentals of Engineering Chemistry, Singh S.K., New Age International (P) Ltd., Third Edition, 2005

4. AME-4: GENERAL ENGLISH

NIL.

5. AME-5: APPLIED MECHANICS

- Engineering Mechanics, Bhavikatti S.S., and Rajasjekarappa K.G., New Age International (P) Ltd.
- Engineering Mechanics, Irving H. Sharnes, Prentice Hall of India Pvt. Ltd., 1998

6. AME-6: INDUSTRIAL SOCIOLOGY

- Industrial Sociology; Dr. Kumar Narain's series, Lakshmi Narain Agrawal, Agra
- Industrial Sociology; Dr. Vatsyayan Sixth & enlarged Edition; Kedarnath Nath Ram Nath, Meerut & Delhi

7. AME-7: STRNGTH OF MATERIALS

- Elements of Strength of Materials – Timoshenko
- Strength of Materials – G. H. Rhyder

- Strength of Materials – Basavarajaiah B.S., and Mahadevappa P.

8. AME-8: ELECTRICAL ENGINEERING AND ELECTRONICS

- Electrical Engineering and Electronics, Theraja B.L., 1998, S. Chand & Co. Ltd.
- Basic Electronic Principles, Millman and Halkias

9. AME-9: MATERIAL SCIENCE

- Material Science, S. L. Kakani and Amit Kakani, First Edition, New Age International (P) Ltd.
- Principles of Engineering Metallurgy, L. Krishna Reddy, 1996, New Age International (P) Ltd.
- Material Science and Engineering, 7th Edition, by William D. Callister Jr., John Wiley & Sons Inc (2006)
- Material Science and Engineering – a First Course, by V. Raghavan, 4th Edition, Prentice Hall of India Pvt. Ltd., New delhi (2004)

10. AME-10: PRODUCTION ENGINEERING

- Production Technology, Jain, R.
- A Text Book of Production Engineering, Pandey P.C., Singh C.K., and Balbir Singh

11. AME-11: ENGINEERING DRAWING

- Engineering Drawing, Bhatt N.D., Panchal V.M., 1998, Charbotar Publishing House
- Machine Drawing, Bhatt N.D., Panchal V.M., Charbotar Publishing House

12. AME-12: ENGINEERING MATHEMATICS

- Textbook of Engineering Mathematics, Debashis Datta, 2002, New Age International (P) Ltd.

13. AME-13: WELDING METALLURGY – I

- Welding Handbook, American Welding Society, Part I: Fundamentals of Welding
- Metallurgy of Welding – J. L. Lancaster, Woodhead Publishing Ltd. (Website: www.woodheadpublishing.com)

- Metals and their Weldability, Welding Handbook, Part-4, American Welding Society
- Metallurgy of Welding – Porter & Stirling

14. AME-14: HEAT AND MASS TRANSFER

- Heat and Mass Transfer by Nag P.K., Tata McGraw Hill & Co., Second Edition, 2007
- Fundamentals of Heat and Mass Transfer by Kothandaraman C.P., New Age International (P) Ltd., Third Edition, 2006

15. AME-15: WELDING AND ALLIED PROCESSES – I

- Welding Engineering and Technology – R. S. Parmar, M/s. Khanna Publishers, 2-B Nath Market, Nai Sarak, Delhi – 110006
- Welding Handbook, American Welding Society, Section-II: Gas Arc and Resistance
- The Science and Practice of Welding, Vol-1: Welding Science and Technology
- The Science and Practice of Welding, Vol-2: The Practice of Welding: A. C. Davies, Cambridge University Press (Website: www.cambridge.org)
- Messler R.W., Principles of Welding, John Wiley & Sons, 1999

16. AME-16: ENGINEERING ECONOMICS

- Managerial Economics and Financial Analysis, Siddiqui S. A., and Siddiqui A.S., 2005, new Age International (P) Ltd.

17. AME-17: COMPUTATIONAL METHODS AND COMPUTER PROGRAMMING

- Programming in C, Balaguruswamy
- The C Programming Language, Kernighan B.W., and Ritchie D.M.

18. AME-18: WELDMENT DESIGN AND WELD PROCEDURE

- Welding Technology and Design – V. M. Radhakrishnan, Revised Second Ed., New Age International Publishers
- A Guide to Designing Welds – J. G. Hicks, Woodhead Publishing Ltd. (Website: www.woodheadpublishing.com)

19. AME-19: TESTING AND QUALITY ASSURANCE

- Books on Non-Destructive Testing
- Books on Quality Control

20. AME-20: WELDING METALLURGY – II

- Metallurgy of Welding, J. F. Lancaster, Woodhead Publishing Ltd.
(Website: www.woodheadpublishing.com)
- Metals and their Weldability, Welding Handbook, Part-4, American Welding Society

21. AME-21: WELDING APPLICATIONS

- Welding Technology and Design, Revised 2nd Ed., V. M. Radhakrishnan; New Age International Publishers (Website: www.newagepublishers.com)

22. AME-22: WELDING AND ALLIED PROCESSES – II

- Welding Engineering and Technology – R. S. Parmar, M/s. Khanna Publishers, 2-B Nath Market, Nai Sarak, Delhi – 110006
- A Textbook of Welding Technology – O. P. Khanna
- Welding Handbook, American Welding Society, Section-II: Gas Arc and Resistance
- The Science and Practice of Welding, Vol-1: Welding Science and Technology
- The Science and Practice of Welding, Vol-2: The Practice of Welding: A. C. Davies, Cambridge University Press (Website: www.cambridge.org)
- Messler R.W., Principles of Welding, John Wiley & Sons, 1999

23. AME-23: WELDING EQUIPMENT AND CONSUMABLES

- R. S. Parmar, Welding Engineering & Technology, M/s. Khanna Publishers
- A Textbook of Welding Technology – O. P. Khanna
- Messler R.W., Principles of Welding, John Wiley & Sons, 1999
- W. Stern, Laser Material Processing, Springer Verlag 1991
- P. T. Houldcroft, Welding Process Technology, Cambridge University Press, 1985

24. AME-24: ADVANCED WELDING TECHNOLOGY

- R. S. Parmar, Welding Engineering & Technology, M/s. Khanna Publishers

- A Textbook of Welding Technology – O. P. Khanna
- S. Kou, Welding Metallurgy, John Wiley & Sons, 2000
- Metallurgy of Welding – J. L. Lancaster, Woodhead Publishing Ltd.
(Website: www.woodheadpublishing.com)

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