

RULES AND GUIDELINES TO THE ESTATE AGENT EXAMINATION

13. THE SYLLIBUS

13.11 BUILDING TECHNOLOGY AND MAINTENANCE

13.11.1. Building Drawings and Measurements

- i. Basic knowledge on building floor plans, elevations and sections.
- ii. Scale drawings.
- iii. Building working drawings.
- iv. Building regulations, by-laws and code of practice.

13.11.2. Functions of Building and Building Elements

- i. Foundations, walls, doors, windows, staircases and roofs.
- ii. Types, materials, finishes and fittings.

13.11.3. Building Services

- i. Water supply, sewerage and refuse disposal systems.
- ii. Air conditioning and ventilation systems.
- iii. Electrical supply and telecommunication systems.
- iv. Mechanical transportation systems.

13.11.4 Building Security and Fire Fighting Systems

- i. Fire safety and fire fighting system in buildings.
- ii. Fire fighting equipments and operations.
- iii. Building security and control systems in high rise buildings.

13.11.5 Building Maintenance

- i. Definition and concept of maintenance.
- ii. Objectives of maintenance.
- iii. Maintenance needs.
- iv. Life cycle and types of maintenance.
- v. Economics of maintenance.
- vi. Consideration of maintenance at design stage.

13.11.6 Building Inspection and Condition Survey

- i. Planned inspections/condition survey.
- ii. Defects and remedies in roof, wall and floor.
- iii. Structural defects and remedies.

GUIDE OF REFERENCES

11. BUILDING TECHNOLOGY AND MAINTENANCE

1. Chadderton D, Building Services Engineering, Spon Press, 2004.
2. Edward Allen Joseph Iano, Fundamental of Building Construction: Materials and Method, 4th Edition, 2003.
3. Wise A.F, Water, Sanitary of Waste Services for Building, 4th Edition, Architectural Press, 2002..
4. Murray G, Measurement of Building Services, Macmillan,1997.
5. Barnie Chanter, Peter Swallow, Building Maintenance Management, Blackwell Science Ltd, London, 1996.
6. Hassan G, Building Services, Macmillan, 1996.
7. Hall F, Building Services & Equipments, Vol 1 & 2, 3rd Edition, 1994.
8. Ivor H. Seeley, Building Maintenance, The MacMillan Press Ltd, London, 1994.
9. Tan Boon Tong, Teknologi Binaan Bangunan, 1990.
10. Barry R, The Construction of Buildings, Vol. 1,2,3,4, 5th Edition, Blackwell Science, 1999.
11. Barry R, The Construction of Buildings: Windows, Doors, Fires, Stairs, Blackwell Science, 1999.
12. Barry R, The Construction of Buildings: Supply and Discharge Services, 5th Edition, Blackwell Science, 1999.
13. Denis Waltor, Building Construction: Principles and Practice, 1995.
14. Waltor D, Building Construction: Principles and Practice, 1995.
15. Derek Miles, Paul Syagga, Building Maintenance: A Management Manual, Intermediate Technology Publications, 1987.
16. Christopher A.H, An Introduction to Building Services, 1988.
17. Jahiman Badron, Teknologi Asas Bangunan, 1984.

18. Mel A Shear, Handbook of Building Maintenance Management, Reston Publishing Company Inc., Virginia, 1983.
19. Reginald Lee, Building Maintenance Management, Granada Publishing Ltd, London, 1976.