

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
FIRST SEMESTER EXAMINATION 2019/2020

Course Code: BUD 513
Course Title: Maintenance Technology in Building
Instruction: Answer Four Questions Only
Time: 2 Hours

1. a) Outline four (4) guidelines of investigating foundation defect in accordance to BS 5930.
b) Mention six (6) recommended procedure for assessing and reporting damage in low-rise building.

2. a) Briefly explain the three (3) classes of damage resulting from foundation failure.
b) Enumerate five (5) causes of rising damp in building structure.

3. a) State four (4) effects of rain penetration which tend to lead to building collapse
b) Bulging, buckling and spreading in building are caused by some actions. Explain four (4) of these actions

4. a) Explain with the aid of an illustrative sketch, the life cycle of a typical wood destroying insect.
b) Explain with the aid of an illustrative sketch, the life cycle of a typical wood destroying fungus.

5. a) Why maintenance of building structure is necessary?
b) Explain the following types of maintenance in building structure
i) Corrective maintenance
ii) Preventive maintenance

6. a) Outline five (5) possible repairs or maintenance of stonework.
b) With the aid of a neat flow chart show the process of diagnosis and investigation of building structure for maintenance schedule