

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF ENVIRONMENTAL TECHNOLOGY
DEPARTMENT OF ARCHITECTURE

FIRST SEMESTER EXAMINATIONS 2017/2018 SESSION

Course Title: **History and Theory of Architecture V**

Course Code: **Arc 412**

Time allowed: **2 Hours**

HOD: **Dr. P. Ayuba**

Lecturer: **Arc. S. K. Goshi**

Instructions:- Answer three questions only. All questions carry 20 marks each.

1. The industrial revolution made available 'new' materials including iron whose application revolutionalized architecture.
 - i. What were the different forms of iron available?
 - ii. Discuss the properties of these various forms of iron
 - iii. What are the architectural applications of each?
 - iv. Give an example of structures where each form of iron was employed.
 - v. Mention other materials made available apart from iron. 20 Marks

2. A.W.N. Pugin and Eugene-Emmanuel Viollet-le-Duc were leading proponents of the Gothic revival in Britain and France respectively. Enumerate some of their views concerning architecture. 20 Marks

3. Write short notes on the following:-
 - i. The Crystal Palace
 - ii. Reinforced concrete
 - iii. Characteristics of gothic revival style
 - iv. The industrial revolution 20 Marks

4. Discuss the neo-classical revival style under the following headings:-
 - i. Origins /background
 - ii. Characteristics
 - iii. Architects in various countries
 - iv. Examples of buildings, 20 Marks