

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
INDUSTRIAL AND TECHNOLOGY EDUCATION DEPARTMENT  
FIRST SEMESTER EXAMINATION 2020 / 2021 SESSION  
BUILDING CONSTRUCTION II ITE 231

Attempt Only 2 Questions in Section A and All Questions in Section B  
Time Allowed: 1 Hour 30 Mins.

Matric Number \_\_\_\_\_ Signature \_\_\_\_\_ Name \_\_\_\_\_

SECTION B

Answer on the question paper and submit along with section A on answer booklet

1. \_\_\_\_\_ is a building materials made by mixture of cement, aggregate and water.
  - a. reinforcement
  - b. Plaster
  - c. paste
  - d. concrete
  
2. All of the followings are items of site layout design: except.
  - a. Power supply
  - b. Site accommodation
  - c. Columns and beams
  - d. Site access
  
- 3,4,&5. Concrete production operations includes \_\_\_\_\_, mixing, \_\_\_\_\_, compaction and \_\_\_\_\_
  
6. Permanent structures that remain upon the completion of the building is referred as;
  - a. framed structures
  - b. assembled structures
  - c. cast in place structure.
  - d. Precast structure.
  
7. A temporary frame work for supporting a masonry arch during construction until it is able to stand on its own is called
  - a. Shoring
  - b. Reinforcement
  - c. Centering
  - d. Scenario
  
8. Site layout is a plan that contains \_\_\_\_\_ and \_\_\_\_\_ structures
  - a. Formwork and scaffolding
  - b. Hoarding and fence
  - c. Temporary and permanent
  - d. Scaffolding and propping
  
9. Ingredients in concrete other than Portland cement, water and aggregates that are added to the mixture immediately before or during mixing are called

- a. Admixtures
- b. Sterilizers
- c. Reinforcement
- d. aggregates

10 & 11. Concrete is low in \_\_\_\_\_ strength, but high in \_\_\_\_\_ strength.

12. The process of removing formwork is called?

- a. False work
- b. Striking
- c. Re-erection
- d. Erection

13. All the structures in building site erected to aid in the construction of permanent projects are referred to as

- a. Centering
- b. Temporary structures
- c. Conveyors
- d. Formwork

14. Temporary structures in form of mould used to convey different shapes in building construction is best described as

- a. Shutters
- b. Formwork
- c. Studs
- d. Pegs

15. Scaffolding can be classified as:

- a. Bricklayer's and Mason's
- b. Needles and Mason's
- c. Dependent and independent
- d. Steel and tubular

16 & 17 \_\_\_\_\_ is a chemical addition made to cement during manufacture while \_\_\_\_\_ is added during the mixing of concrete operation.

18. All of these is the advantages of steel formwork except

- a. Very smooth surfaces are possible
- b. Strong and can be stripped late
- c. The initial outlay of money is great
- d. Fast to install in simple walls and the like

19 & 20. \_\_\_\_\_ is a mixture of cement and water of a consistency about that of cream, while that of fine aggregate, water and cement is \_\_\_\_\_