6428

BOARD DIPLOMA EXAMINATION

MARCH/APRIL - 2019

DIPLOMA IN CIVIL ENGINEERING

CONSTRUCTION PRACTICE

FOURTH SEMESTER EXAMINATION

Time: 3 Hours **Total Marks: 80**

PART - A (3m x 10 = 30m)

Note 1:Answer all questions and each question carries 3 marks

2:Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. Write the situations under which under reamed piles are used
2. State any three functions of Plinth
3. State any three advantages of pre-cast concrete block masonry
4. Define the terms a) Canopy b) Portico
5. Define a) Landing b) Head room c) Winder
6. Define the terms in pitched roof a) Hip b) Ridge c) Valley
7. State any three disadvantages of wooden formwork
8. When do you recommend pointing on masonry wall
9. What is termite proofing ?
10. State the factors effecting energy auditing

PART - B (10m x 5 = 50m)

Note 1:Answer any five questions and each carries 10 marks

2:The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. Explain the component parts of well foundation with help of neat sketch
12. (a) Explain various loads to be considered for the design of foundation of a building
    (b) Explain different steps involved in construction of spread footing
13. (a) Draw neat sketch of alternative courses of a corner wall of one brick thick wall in English bond
    (b) State any five general principles to be followed in the construction of brick masonry

14. Explain different types of fixtures and fastenings of doors and windows

15. Explain the method of construction of mosaic flooring

16. Explain the formwork arrangement for column and slip formwork with neat skecth

17. Explain a) Sand face finish b) Pebble dash finish

18. Explain preliminary and detail audit

- xxx -