C16-**C-305**

6226

BOARD DIPLOMA EXAMINATIONS

SEPTEMBER/OCTOBER - 2020

DCE – THIRD SEMESTER

CONSTRUCTION MATERIALS

Time: 3 hours Max. Marks: 80

PART – A **3 X 10 = 30**

Instructions: *1. Answer **all** questions.*
*2. Each question carries **Three** Marks.*
3. Answer should be brief and straight to the point and should not exceed Five simple sentences.

1. State the physical classification of rock.
2. Write short note on fly ash bricks.
3. State the uses of porcelain.
4. State any three requirements of floor tiles.
5. What is the difference between ordinary cement ant white cement.
6. Write the properties of mortar.
7. What are the benefits of curing.
8. What are the characteristics of an ideal paint?
9. List the uses of varnish.
10. What is gypsum? State two types of gypsum.

[Cont..,

PART – B 5 X 10 = 50

***Instructions**:* *1. Answer any **Five** questions*
*2. Each question carries **TEN** Marks.*
3. Answer should be comprehensive and criteria for valuation is the content but not the length of the answer.

11. a) List any four characteristics of good building stone.

    b) Mention the suitability of granite, marble, kadapa slab and Shabad stones.

12. Describe the working and construction of pug mill.

13. List and explain various types of tiles.

14. State the various ingredients and their proportions in ordinary Portland cement.

15. Explain different steps involves in concreting.

16. What are the advantages and disadvantages of acceleration process in concrete.

17. a) Name the common verities of timber used in civil engineering works.

    b) State the object of seasoning of timber.

18. a) List the uses of glass.

    b) List the merits of plastics.