

Q.21 Explain determination of viscosity of slip.

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Q.22 Name in process tests of tiles manufacturing.

Roll No. ....

### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Define pressing. Explain stages of pressing.

Q.24 Explain different defects of tile. Write its remedies and causes of peeling and crazing.

Q.25 Explain construction and working of tunnel kiln.

**4th Sem / Ceramic Engg**

**Subject : Tile Technology**

Time : 3 Hrs.

M.M. : 60

### **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Which of the following is not type of tile

- a) Vitrified
- b) Glazed Vitrified
- c) Double charged
- d) Enamelled Tile

Q.2 \_\_\_\_\_ tile is strongest among following ceramic floor tiles

- a) Vitrified tile
- b) Glazed vitrified tile
- c) Double charged
- d) Procelain tile

Q.3 \_\_\_\_\_ kiln is now a days generally used for manufacture of floor tiles

- a) Pusher slab
- b) Updraft
- c) Rotary
- d) Roller

Q.4 In double acting press, pressing takes place from \_\_\_\_\_ sides.

- a) Two
- b) One
- c) All
- d) None of these

Q.5 The purpose of engobe is to

- a) Decorate
- b) Reduce porosity
- c) Improve Durability
- d) Make body and glaze compatible

Q.6 Peeling defect in tiles arises due to

- a) Low firing temperature
- b) High Viscosity of glaze slip
- c) Mismatch of CTE of body and glaze
- d) Addition of binder in

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory.  $(6 \times 1 = 6)$

Q.7 Fully vitrified tile do not have glaze coating.  
(True/False)

Q.8 \_\_\_\_\_ is ball mill parameter. (Speed of ball mill/Material of ball mill)

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Q.9 Spray dried powder moisture decreases with increases in inlet and outlet temperature.  
(True/False)

Q.10 Weight of powder in die depends on fill room height.  
(True/False)

Q.11 Die of press is tapered for better strength.  
(True/False)

Q.12 Crazing results when CTE of body is less than CTE of glaze.  
(True/False)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

Q.13 Explain different types of tiles.

Q.14 Differentiate glazed vitrified tiles and double charged titles.

Q.15 Discuss parameters of ball mill.

Q.16 List properties of slip.

Q.17 Explain importance of engobe.

Q.18 Classify pressing operations.

Q.19 Discuss drying defects.

Q.20 Name final tests of tile. Explain any one.

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