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CT-405/BC&M/4th Sem/2017/N

**BUILDING CONSTRUCTION AND
MAINTENANCE**

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks
for the questions.

PART – A

Marks – 25

Choose the correct answer from the options given
below in each of the statement :

1. The lengthy face of the brick is known as 2
- (a) Face
 - (b) King closer
 - (c) Queen closer
 - (d) Stretcher.

[Turn over

2. Horizontal layer of bricks or stones is called 2
(a) bed (b) course
(c) quoin (d) None of these.
3. A king closer is a 2
(a) full brick
(b) 3/4 brick
(c) longitudinally 1/2 brick
(d) crosswise 1/2 brick.
4. A foundation may fail due to 2
(a) change of strata
(b) differential loading system
(c) unsymmetrical loading system
(d) All of the above.
5. Spread footing foundation consists of 2
(a) piles
(b) widened footings
(c) concrete columns to support load of super structure
(d) None of the above.

6. The foundation in a building is provided to 2
(a) distribute the load over a large area
(b) increase overall stability of the structure
(c) transmit load to the bearing surface (sub soil) at a uniform rate
(d) All of the above.
7. The lower portion of an arch between the skew back and crown is called 2
(a) depth
(b) rise
(c) haunch
(d) intrados.
8. The span of an arch is 2
(a) vertical distance between the springing line and the highest point on the intrados
(b) vertical distance between the springing line and the highest point on the extrados
(c) perpendicular distance between the intrados and extrados
(d) horizontal distance between the support.

9. The vertical members which support the door frame are called 2
- (a) reveals (b) styles
(c) posts (d) jambs.
10. The bottom or lower most horizontal part of a window frame is known as 2
- (a) sill (b) mullion
(c) transom (d) horn.
11. The highest point on the extrados is called 2
- (a) skew back (b) crown
(c) voussoir (d) keystone.
12. The inner surface of an arch is called 2
- (a) extrados (b) intrados
(c) crown (d) voussoir.
13. The intermediate support of an arch is known as pier. 1
- (a) Right (b) Wrong

PART - B

Marks - 45

Answer any *five* questions :

14. What is foundation ? What are the different types of foundations ? 9
15. Explain the general principles of brick masonry. Discuss different types of bonds. 9
16. What is the use of formwork ? Explain different types of formworks. 9
17. Explain different parts of doors. Write about different kinds of doors. 9
18. Discuss different parts of arches. Explain about different kinds of arches. 9
19. What is the use of formwork and scaffoldings ? Explain different types of formworks and scaffoldings. 9