

143/2015

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Most chemically active concrete aggregate are from :
(A) Igneous rock (B) Sedimentary rock
(C) Metamorphic rock (D) Sand stones
2. Common sugar added to concrete :
(A) Increases the strength of concrete (B) Retards the setting of concrete
(C) Accelerates the setting of concrete (D) Gives colour to concrete
3. Air permeability test is done to measure :
(A) Setting time of cement (B) Soundness of cement
(C) Chemical composition of cement (D) Fineness of cement
4. ASCU is :
(A) A damp proofing material for concrete (B) A preservative for timber
(C) A type of brick bond (D) A type of building finish
5. For concrete exposed to dry conditions, the minimum curing period is :
(A) 5 days (B) 7 days
(C) 10 days (D) 14 days
6. A window that projects outside the external walls of a room is :
(A) Gable window (B) Sash window
(C) Dormer window (D) Bay window
7. A floor slab supported directly on column is called :
(A) Ribbed slab (B) Flat slab
(C) Flat plate (D) Grid floor
8. Service plan :
(A) is drawn to a scale not less than that of site plan
(B) include layout of existing water supply system
(C) shows predominant wind direction
(D) all the above

9. The notational colour for existing hazardous building in a site plan is :
- (A) Black (B) Red
(C) Purple (D) Dark blue
10. For a rectangular foundation of width b , eccentricity of load should not exceed :
- (A) $b/2$ (B) $b/3$
(C) $b/5$ (D) $b/6$
11. The projecting ornamental course at the junction of a wall and ceiling :
- (A) Coping (B) Corbel
(C) Cornice (D) Parapet
12. Group B buildings are :
- (A) residential (B) institutional
(C) assembly (D) educational
13. Roof trusses are generally used when the span exceeds :
- (A) 3m (B) 5m
(C) 10m (D) 15m
14. In struck pointing, the face of the pointing is :
- (A) flat (B) sloping outwards
(C) vertical but pressed inside (D) grooved
15. Minimum period before striking soffit formwork to slabs :
- (A) 21 days (B) 7 days
(C) 3 days (D) 1 day
16. The line joining the optical centre of object glass to the centre of eye- piece of a telescope is :
- (A) Line of collimation (B) Line of sight
(C) Axis of bubble tube (D) Axis of telescope
17. The line normal to the plumb line at all points :
- (A) Vertical line (B) Horizontal line
(C) Datum line (D) Level line