

Section-I
GROUP – “C”

1. For 1 cum of first class Brick Work (metric brick), the no. of bricks required will be
(a) 400 (b) 450 (c) 500 (d) 550
2. Where ordinary Portland cement is used, removal of properties under slabs spanning up to 4.5m may be done (according to BIS 456-1978) after expiry of
(a) 5 days (b) 7 days (c) 10 days (d) 15 days
3. In the calculation of carpet area, the area of corridor and passage of a building will be
(a) included (b) excluded (c) 40% included (d) 80% included
4. For earthwork the unit of lead for a distance of 500m is
(a) 30m (b) 50m (c) 60m (d) 100m
5. For 2 coats white washing on a coat of primer to new plaster, the quality of unslaked lime in kg required per sqm area will be
(a) 20 (b) 25 (c) 30 (d) 35
6. Surveyor companies used to measure the
(a) QB (b) WCB (c) FB (d) BB
7. Width of Gauge for a railway track (B.G.) in metre is
(a) 1.625 (b) 1.676 (c) 1.675 (d) 1.673
8. Mach number is the ratio of
(a) inertia and gravity force (b) inertia & elastic force
(c) viscous & inertia force (d) none of the these
9. The bearing of is line AB of an equilateral triangle ABC (anti dockwise) is 60° , the bearing of line CA is
(a) 90° (b) 180° (c) 60° (d) 240°
10. Toughness of Aggregate is determined by
(a) impact value test (b) crushing value test
(c) abrasion test (d) shape test
11. The city Chandigarh was planned by Architect
(a) Frank Lloyd Wright (b) Le-Carbousier
(c) Bruce Allospp (d) J.N.L. Durand
12. If the floor to floor height of a building is 3.6mts, numbers of tread will be (height of one riser is 15cm)
(a) 24 (b) 23 (c) 25 (d) 22
13. If the plot area is 3000 m^2 and F.S.I. is 1.5, then built-up area will be
(a) 250m^2 (b) 3000 m^2 (c) 2000 m^2 (d) 4500 m^2
14. Which is not the principle of planning?
(a) roominess (b) aspect (c) unity (d) circulation
15. Airports are classified under
(a) residential zone (b) industrial zone
(c) agricultural zone (d) none of these
16. Order of color (Descending) in road traffic signal is
(a) Red, Green, Yellow (b) Green, Yellow, Red
(c) Yellow, Green, Red (d) Red, Yellow, Green
17. School Ahead sign is
(a) Warning sign (b) Informatory sign
(c) Regulatory sign (d) Control sign
18. Pyramids were designed in :
(a) Mughal Architecture (b) Egyptian Architecture
(c) Roman Architecture (d) Greek Architecture
19. Aggregate impact value $< 10\%$ categorized under
(a) strong (b) week for road surfacing
(c) exceptionally strong (d) satisfactorily for road surfacing
20. The degree of precision required in survey work mainly depends on the
(a) purpose of survey (b) area to be surveyed
(c) source of error (d) nature of field
21. The first railway line between Mumbai and Thane was opened in the year
(a) 1844 (b) 1853 (c) 1854 (d) 1855
22. Trim command in Auto-CAD is the command of
(a) Draw (b) Format (c) Modify (d) Help
23. Which of the following is unit of Kinematic Viscosity in SI System
(a) m^2/sec (b) $\text{N-sec}/\text{m}^2$ (c) Stokes (d) Poise
24. A Clinometer is used for measuring the
(a) slope (b) distance (c) level (d) none of these
25. Least count of a Prismatic Compass is
(a) 30 min (b) 15 min (c) 45 min (d) 1 min
26. The minimum grade of concrete recommended by IS 450-2000
(a) M15 (b) M20 (c) M25 (d) M30
27. The first sky scraper building in Mumbai was
(a) World Trade Centre, Coloba (b) Kalpataru Heights, Agripada
(c) Usha Kiran, Tardeo (d) Fortune Tower, J.J.Road
28. The Water collected at Bhandup Treatment Plant comes from
(a) Vaitama Dam (b) Tansa Dam (c) Bhatsa Dam (d) Badlapur Dam
29. Sand stone is
(a) sedimentary rock (b) metamorphic rock (c) igneous rock (d) volcanic rock
30. The maximum Bearing Capacity of soil is that of
(a) black cotton soil (b) loose fire sandy soil (c) hard rock (d) soft clay soil