

7/16

L

16/B/C/S-4/4/E

31/217

PAPER - I  
DRAUGHTSMAN CIVIL  
(TRADE THEORY)  
SEMESTER - IV

TIME: 3 HRS.

MARKS: 150

Note: Attempt all questions.

All questions carry equal marks.

This paper carries negative marking. 25% marks will be deducted for each wrong answer.

Choose the correct answer.

1. Irrigation is an \_\_\_\_\_ art of supplying water to the fields.  
a. Artificial ✓  
b. Natural  
c. Pumping  
d. None of these
2. Flow irrigation is done from \_\_\_\_\_.  
a. Wells  
b. Rivers ✓  
c. Seas  
d. Canals
3. Furrow irrigation is most suited to \_\_\_\_\_.  
a. Paddy  
b. Wheat ✓  
c. Ground Nut  
d. Orchards
4. For plant growth \_\_\_\_\_ water is available.  
a. Hygroscopic  
b. Gravitational  
c. Capillary  
d. Infiltrated
5. Pick up the incorrect crop from the list of khariff crops  
a. Rice  
b. Jute  
c. Spiked Millet  
d. Wheat ✓
6. Run-off is measured in \_\_\_\_\_.  
a. Cu-m  
b. Cu-m/sec  
c. M-sec ✓  
d. M/sec
7. Silting of reservoir \_\_\_\_\_.  
a. Reduces Storage Capacity ✓  
b. Makes Dam Weak  
c. Makes Dam Strong  
d. Increases Storage Capacity

Contd...2/-

8. ✓ Gravity dam is roughly in \_\_\_\_\_ shape  
 a. Triangular  
 c. Square  
 b. Rectangular  
 d. ✓ Hexagonal
9. ✓ Earth dams are most suitable where \_\_\_\_\_  
 a. ✓ Valley is Wide  
 c. Valley is Moderate  
 b. Valley is Narrow  
 d. There is no Valley
10. ✓ Excess earth excavated from canal section is disposed off in \_\_\_\_\_  
 a. Borrow pits  
 c. Spoil Banks ✓  
 b. Adjacent Rivers  
 d. Berms
11. Barrage is a raised sill provided with \_\_\_\_\_  
 a. Falling shutters  
 c. Drum Gates  
 b. Gates  
 d. Raising Shutters
12. ✓ Rivers having flow throughout year is called \_\_\_\_\_ irrigation.  
 a. ✓ Perennial  
 c. Flood  
 b. Non-perennial  
 d. Canal
13. ✓ When a canal is carried over a natural drainage, the structure is called \_\_\_\_\_  
 a. Inlet  
 c. ✓ Aqueduct  
 b. Outlet  
 d. Syphon aqueduct
14. ✓ The unit of measurement for concrete work in RCC is \_\_\_\_\_  
 a. sq m  
 c. 10 sq m  
 b. cu m ✓  
 d. 10 cu m
15. The unit of payment for fixing glass panes or cleaning is in \_\_\_\_\_  
 a. kg  
 c. sq m ✓  
 b. Number ✓  
 d. cu m
16. ✓ In a detailed estimate, the provision for contingencies is usually \_\_\_\_\_ percent.  
 a. 1  
 c. 10  
 b. 3 to 5 ✓  
 d. 12 to 15
17. ✓ Estimate expected to be least accurate is \_\_\_\_\_ estimate  
 a. Plinth area  
 c. ✓ Detailed  
 b. Supplementary  
 d. Revised
18. ✓ In analysis of rates, contractor profit is taken at the rate of \_\_\_\_\_ %  
 a. 1  
 c. 10 ✓  
 b. 5  
 d. 20



29. In schaffer's method of artificial respiration, the persons face and stomach  
 a. lie on the floor  
 b. facing up the floor  
 c. Vertically standing  
 d. at some slope standing
30. The following wireman's tool is used for cutting and twisting of wires.  
 a. Nose plier  
 b. Adjustable plier  
 c. Combination plier  
 d. Knife
31. Screw Drivers are used for \_\_\_\_\_ the screw.  
 a. Tightening  
 b. Loosening  
 c. Both of these  
 d. None of these
32. Centre punch is used for making \_\_\_\_\_ drilling any hole  
 a. Mark after  
 b. Mark before  
 c. No mark before  
 d. No mark after
33. Concealed wiring is also called as \_\_\_\_\_ wiring.  
 a. Conduit  
 b. Recessed open  
 c. Recessed closed  
 d. Recessed conduit
34. The symbol used for direct current is \_\_\_\_\_.  
 a. +  
 b. -  
 c.  $\equiv$   
 d. #
35. The symbol 'RYB' indicates \_\_\_\_\_.  
 a. Phase  
 b. Double phase  
 c. Phase sequence  
 d. Double phase sequence
36. The symbol for earth is in the form of arrow mark with \_\_\_\_\_.  
 a. Arrow head upwards  
 b. Arrow head downwards  
 c. Without arrow head  
 d. Only vertical line
37. Surveying is an art of determining \_\_\_\_\_ positions of objects on the surface of the earth.  
 a. Original  
 b. Exact  
 c. Relative  
 d. Approximate
38. Plane surveying is one in which the area is generally less than 260 \_\_\_\_\_.  
 a. sq cm  
 b. sq m  
 c. sq km  
 d. sq miles
39. The chain surveying in which the lengths of lines are measured directly in the field with the help of  
 a. Chain  
 b. Metallic tape  
 c. Tape  
 d. Invar tape
40. A 30 metre chain has \_\_\_\_\_ number of links  
 a. 100  
 b. 125  
 c. 150  
 d. 175

41. Cross staff is used for taking \_\_\_\_\_ offsets  
a. Vertical  b. Perpendicular   
c. Parallel  d. Slope
42. The principle of chain surveying is to divide the area into \_\_\_\_\_.  
a. Rectangles  b. Squares   
c. Trapeziums  d. Triangles
43. Spirit level is used for getting the \_\_\_\_\_ of any surveying instrument.  
a. Position  b. Verticality   
c. Levelling  d. Uniformity
44. Fore and back bearings of a line whose end stations are free from local attraction, should differ by \_\_\_\_\_ degrees  
a. 90  b. 180   
c. 270  d. 360
45. Levelling should always commence from \_\_\_\_\_ of known elevation.  
a. Benchmark  b. Tablemark   
c. Stoolmark  d. Scalemark
46. The theodolite is an instrument used for measuring very accurately \_\_\_\_\_ angles  
a. Horizontal  b. Vertical   
c. Both  d. Linear measurement
47. An imaginary line joining the points of intersection of cross-hairs of the diaphragm and the optical centre of object glass is known as \_\_\_\_\_.  
a. Fundamental line  b. Axis of telescope   
c. Axis of level tube  d. Line of collimation
48. The contour lines can cross one another on map only in case of \_\_\_\_\_.  
a. A vertical cliff  b. A valley   
c. An overhanging cliff  d. A ridge
49. Contour lines cross ridge or valley lines at \_\_\_\_\_ degrees  
a. 30  b. 45   
c. 60  d. 90
50. The method of surveying in which field work and plotting work are done simultaneously is called \_\_\_\_\_ surveying  
a. Compass  b. Levelling   
c. Chain  d. Plane table