

Q1. Which type of failure occur in loose soil

- (a) Local shear failure
- (b) general shear failure
- (c) punching shear failure
- (d) None of these

Q2. If the compressive effort increase then effect on optimum moisture content (OMC)

- (a) increasing
- (b) decreasing
- (c) remain same
- (d) none of these

Q3. Plywood thickness can be measured

- (a) By length of plywood
- (b) Area of Plywood
- (c) width of Plywood
- (d) No of fiber

Q4. Find the depth of a cantilever beam have a 2.5 cm effective length by deflection criteria

- (a) 353
- (b) 357
- (c) 417
- (d) 542

Q5. Water content in brick ?

Q6. Which plasticizer increase the setting time

Q7. Rapid Harding cement is not used for

- (a) road construction
- (b) cold weather condition
- (c) heavy dam
- (d) pre cast structure

Q8. What is responsible for early strength and higher heat of hydration for rapid hardening cement

- (a) C_3A
- (b) C_3S
- (c) C_2S
- (d) C_4AF

Q9. Meaning of lump in cement

Q10. Design speed of expressway when ruling gradient is less than 10% for plain area

- (a) 80 kmph

- (b) 100 kmph
- (c) 120 kmph
- (d) 60 kmph

Q11. The velocity for which no scouring no silting is known as

- (a) self cleaning velocity
- (b) critical velocity
- (c) silting
- (d) scouring

Q12. The minimum water content at which soil just crumbled at 3 mm thread

- (a) Plastic limit
- (b) Liquid limit
- (c) shrinkage limit
- (d) none of these

Q13. Chemical formula of ammonia

- (a) NH_3
- (b) NH_4
- (c) NH_4Cl
- (d) $NaCl$

Q14. Modular size of brick

Q15. Tellurometer is used work on which wave

- (a) microwave
- (b)
- (c)
- (d)

Q16. According to census 1901 the population of India

- (a) 343 Million
- (b) 238 Million
- (c) 476 Million
- (d) 375 Million

Q17. Article 76 is related to

- (a) Attorney general of India
- (b) Supreme Court of India
- (c) Election commission
- (d) None of these

Q18. Minimum depth of foundation for sandy soil should be

- (a) 150 mm
- (b) 180 mm
- (c) 280 mm
- (d) 250 mm

Q19. Slenderness ratio formula for column

- (a) $\frac{l}{r}$
- (b) $\frac{r}{l}$
- (c) $\frac{l^2}{r}$
- (d) None of these

Q20. Water reservation act

Q21. Unit of permeability

- (a) velocity
- (b) acceleration
- (c) force
- (d) None

Q22. Article 52

Q23. Article 76

Q24. Minimum width of septic tank

- (a) 50 mm
- (b) 75 mm
- (c) 100 mm
- (d) 150 mm

Q25. Unit of sound pressure

- (a) decibel
- (b) Hertz
- (c) Joule
- (d) pascal

Q26. 3R is related to

- (a) Reduce, Regain, Reuse
- (b) Reduce, Reuse, Recycle
- (c) Reduce, Reform, Reuse
- (d) Reduce, Retain, Regain

Q27. Skidding is occur when

- (a) translation movement is grater then rotational movement
- (b) translation movement is less then rotational movement
- (c) translation movement is equal rotational movement
- (d) None

Q28. First lady CEO and Chair person of Indian Railways

- (a) Jaya Verma Sinha

- (b) Smt. Deepti Shrivastava
- (c) Apoorva Sinha
- (d) None

Q29. Article related to election of the President

Q30. Head of Election Commission

Q31. Largest island of Lakshadweep

Q32. 103rd Amendment Act

Q33. 61st Amendment Act

Q34. 1991 total population

Q35. Attorney General related question

Q36. Match the following :

A. Nagarjun Sagar Dam	1. Maha Nadi
B. Hira Kund Dam	2. Krishna
C. Tehri Dam	3. Bhagirathi

- (a) A - 1, B - 2, C - 3
- (b) A - 2, B - 1, C - 3
- (c) A - 3, B - 2, C - 1
- (d) None

Q37. Jhijhiya Dance - Bihar

Q38. Regulatory sign is related to

Q39. Detritus tank

A. Detritus tank	1. Floating materials
B. Skimming tank	2. more fine particles
C. Aeration tank	

- (a) A - 1, B - 2, C - 2
- (b) A - 2, B - 1, C - 1
- (c) A - 2, B - 1, C - 2
- (d) None

Q40. Human psychology

Q41. Ozone layer is harmful for

Q42. Shear stress due to moment

- (a) $\frac{V_u \pm \frac{M_u \tan \beta}{d}}{bd}$
(b) $\frac{V_u \pm \frac{M_u \tan \beta}{b}}{bd}$
(c) $\frac{V_u \pm \frac{M_u \tan \beta}{bd}}{d}$
(d) None

Q43. Major responsible for water pollution

Q44. Bearing of a line is N10°E if the declination is 2°E if the declination is changed 2°W then find out the bearing of line

- (a) N10°E
(b) N10°W
(c) S10°E
(d) S10°W

Q45. Find out the major stress when confining stress and deviator stress is given in triaxial test

Q46. Reciprocating pump principal

Q47. At change point which is taken

1. Fore sight
2. Back sight
3. Intermediate sight

- (a) 1,2,3
(b) 1,2
(c) 1,3
(d) 2,3

Q48. Minimum OSD is depend on the

Q49. Camber is provided for the

Q50. Find out the RL

Q51. Calculation of latitude and Departure

Q52. Find out the Coefficient of discharge for broad crested weir

Q53. Plane Table survey

Q54. Overhead tank

Q55. Find out the Kinetic head

Q56. Year 1963 bollywood film director name

Q57. Find out liquid limit graph between??

Q58. Ghar Yojana

Q59. Crips mission

Q60. New Classical Dance

Q61. Padma shri 2023 is related to

Q62. Water reservation act

