SSC JE Civil 2024 (05.06.2024) Shift - 1st

- 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_4 AF
- 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	
026 20 is also be	
Q26. 3R is related to	
(a) Reduce, Regain, Reuse	
(b) Reduce, Reuse, Recycle (c) Reduce, Reform, Reuse	
(d) Reduce, Retain, Regain	
(u) 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	
(a) jaja i omina	

- (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 Da <mark>m</mark>	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

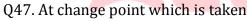
Q43. Major responsible for water pollution

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



- 1. Fore sight
- 2. Back sight
- 3. Intermediate sight
- (a) 1,2,3
- (b) 1,2
- (c) 1,3
- (d) 2,3

 $\ensuremath{\mathsf{Q48}}.$ Minimum $\ensuremath{\mathsf{OSD}}$ 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

