Campus KD Campus Pvt. Ltd

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

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Answer-key & Solution

SSC JE (Electrical) MOCK -(124) Date:- 25.11.2017

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1. B	26. B	51. B	76. C	101 C	126 A	151 B	176 B
2. B	27. A	52. B	77. D	102 B	127 D	152 B	177 D
3. C	28. D	53. C	78. A	103 D	128 D	153 B	178 D
4. D	29. A	54. A	79. B	104 B	129 A	154 A	179 D
5. B	30. D	55. B	80. C	105 B	130 D	155 B	180 A
6. C	31. A	56. D	81. D	106 C	131 C	156 C	181 C
7. C	32. D	57. D	82. D	107 B	132 B	157 A	182 C
8. B	33. D	58. D	83. D	108 D	133 D	158 A	183 C
9. C	34. D	59. A	84. B	109 C	134 D	159 C	184 A
10. B	35. B	60. D	85. B	110 B	135 A	160 A	185 D
11. B	36. B	61. A	86. A	111 C	136 D	161 A	186 B
12. C	37. D	62. D	87. A	112 D	137 B	162 A	187 C
13. B	38. C	63. A	88. C	113 A	138 A	163 C	188 A
14. C	39. C	64. D	89. B	114 B	139 C	164 B	189 C
15. B	40. B	65. C	90. B	115 B	140 B	165 D	190 C
16. B	41. D	66. A	91. C	116 B	141 B	166 A	191 A
17. B	42. C	67. A	92. B	117 D	142 C	167 D	192 A
18. B	43. D	68. D	93. C	118 D	143 D	168 B	193 C
19. D	44. D	69. B	94. C	119 A	144 B	169 B	194 C
20. A	45. B	70. D	95. B	120 A	145 A	170 A	195 B
21. B	46. C	71. B	96. C	121 B	146 C	171 B	196 A
22. C	47. A	72. B	97. B	122 A	147 C	172 C	197 B
23. C	48. C	73. A	98. C	123 D	148 D	173 C	198 B
24. A	49. D	74. B	99. C	124 A	149 C	174 B	199 B
25. C	50. C	75. A	100. C	125 B	150 A	175 A	200 D

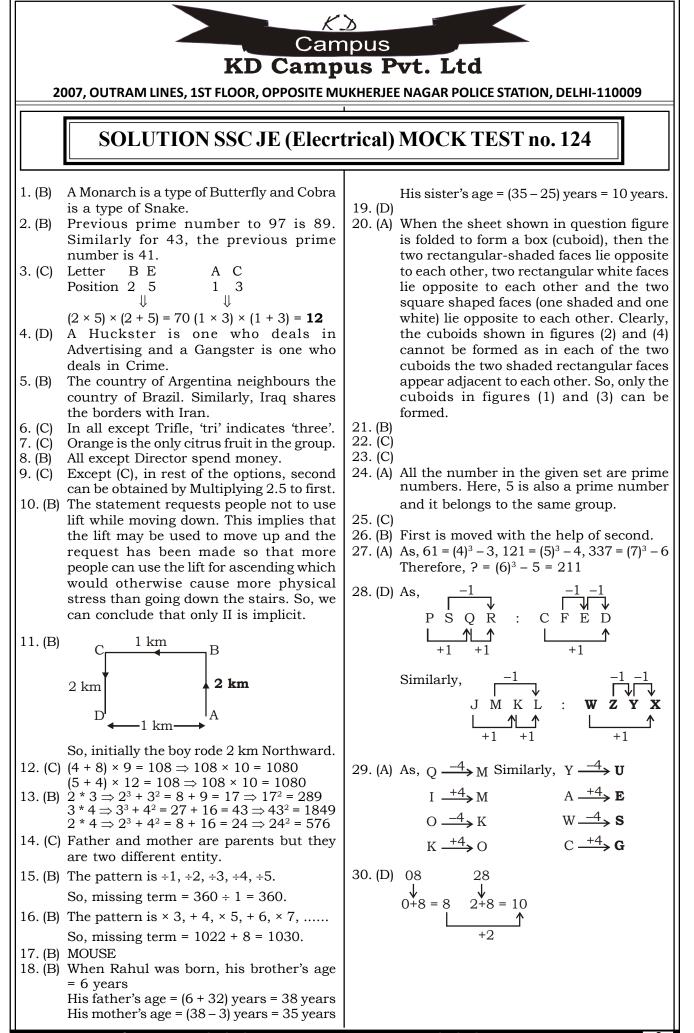
CORRECTION MOCK TEST - 122 (Q.179-B)

CORRECTION MOCK TEST - 123 (Q.164 -A)

Note : If your opinion differ regarding any answer, please message the mock test and Question number to 9560620353

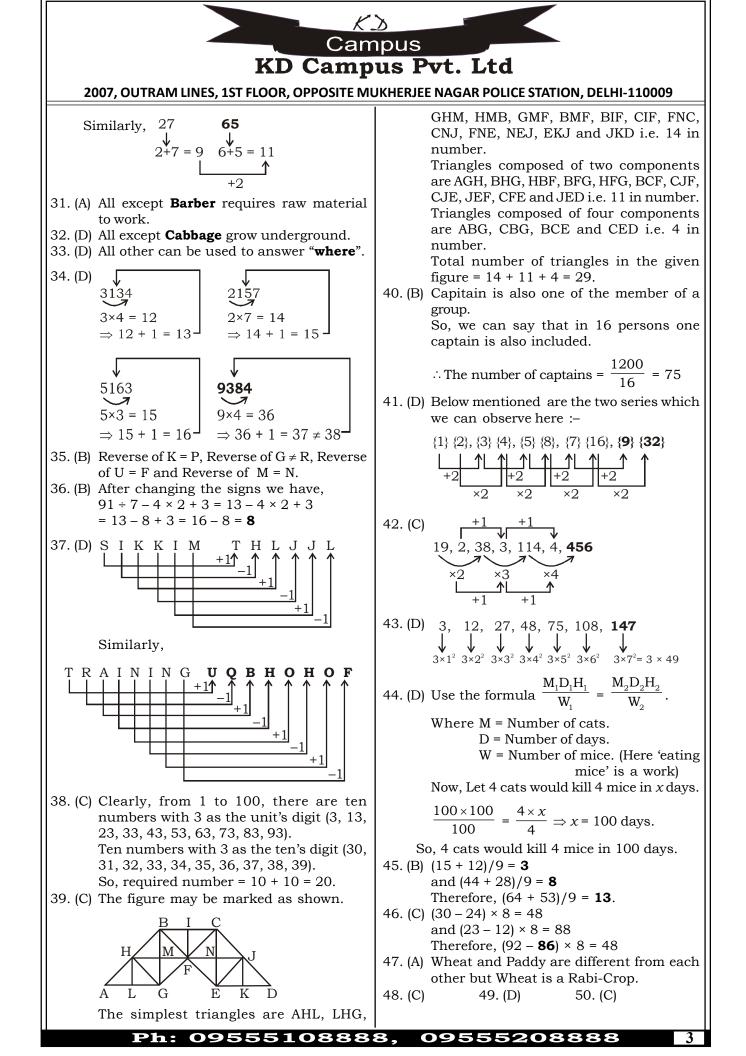
Note : If you face any problem regarding result or marks scored, please contact : 9313111777

Ph: 09555108888, 09555208888



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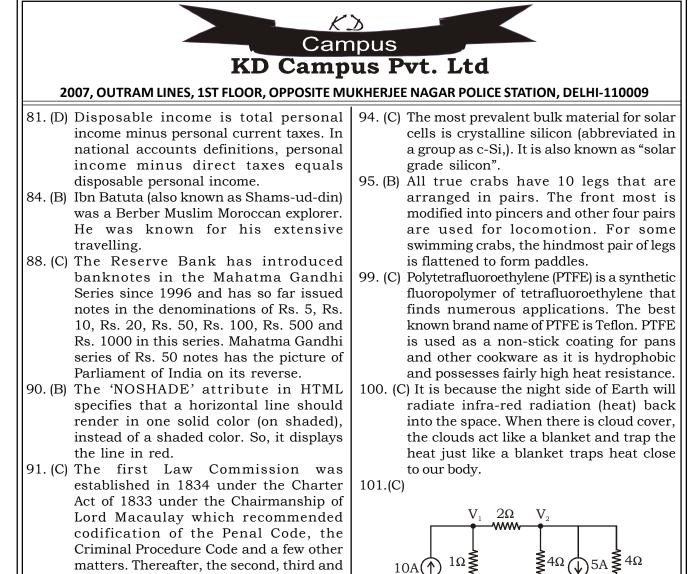


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- 55. (B) Kolar, Hutti, Gadag, Ramagir, Honalli, Wyand, Lawa, Mysara, Pahardia, Kundredocha have been some of the gold mines of India. Presently gold is produced from three mines viz Hutti, Uti, Hirabuddni (HGML) in Karnataka and as by product from base-metal sulphide deposite of Khetri (Rajasthan), Mosabani, Singhbum (Jharkhand).
- 56. (A) The busiest rail section in respect to goods transportation is Delhi-Kolkata section.
- 62. (D) Molars are the posterior most and most complicated kind of tooth in most of the mammals. Adult humans have twelve molars. They are in four groups in which three are at the back of the mouth. The third, rearmost molar in each group is called a wisdom tooth.
- 63. (A) The processing of agricultural products, the production of grain by threshing, the production of flour by milling, the curing of sking and the production of leather, the production and preservation of meat and fish products, the preservation of fruit by drying, bottling, etc., the production of dairy products such as butter or cheese, the production of beer, wine or spirits, the production of baskets and mats, etc, come under processing of primary commodities for own consumption.
- 65. (C) Ethylene glycol (IUPAC name: ethane- 1,2diol) is an organic compound widely used an automotive antifreeze and a precursor to polymers. In its pure form, it is an odourless, colourless, syrupy, sweet-tasting liquid. Ethylene glycol is a toxic and ingestion which can result in death. Due to its low freezing point ethylene glycol resists freezing. A mixture of 60% ethylene glycol and 40% water freezes at - 45 degree C (-49 degree F). Diethylene glycol behaves similarly. It is used as a deicing fluid for windshields and aircraft. The antifreeze capabillities of ethylene glycol have made it an important component of vitrification (anticrysatallization) mixture for lowtemperature preservation of biological tissues and organs.
- 66. (A) In order to give more strength and more elasticity, natural rubber is heated with sulphur or sulphur compounds at 150°C temperature. Vulcanized rubber has good tensile strength. The working temperature of vulcanized rubber is

enhanced up to 100°C. It has good resistance to organic solvents.

- 73. (A) Among the Standing Committees, the three Financial Committees i.e. Committees on Estimates, Public Accounts and Public Undertakings, constitute a distinct group as they keep an unremitting vigil over Government expenditure and performance. While Committees of the Rajya Sabha are associated with Committees on Public Accounts and Public Undertakings, the members of the Committee on Estimates are drawn entirely from the Lok Sabha.
- 74. (B) High levels of uric acid in the blood can cause solid crystals to form within joints. This causes a painful condition called Gout. If Gout remains untreated, these uric acid crystals can build up in the joints and nearby tissues forming hard lumpy deposits called tophi.
- 75. (A) In economics, the study of factor pricing is related to the theory of functional distribution which attempts to explain the prices of land, labour, and capital. It take care of the demand for land, labour and capital as derived demand, stemming from the demand for final goods.
- 76. (C) In Haryana, the Bharatiya Janata Party and the Indian National Lok Dal won all the ten seats, with each party winning 5 each.
- 77. (D) Jim Corbett National Park is the oldest national park in India. The park has been named after the hunter and conservationist Jim Corbett who played a key role in its establishment. It was established in 1936 as Hailey National Park which is situated in Nainital district of Uttarakhand. The park acts as a protected area for the endangered Bengal tiger of India, the secure survival of which is the main objective of Project Tiger, an Indian wildlife protection initiative.
- 78. (A) The Ajanta Caves is in Aurangabad district of Maharashtra. The caves include paintings and sculptures considered to be masterpieces of Buddhist religious art (which depict the Jatak tales). The Ajanta cave paintings depict the life of Gautam Buddha.
- 79. (B) The money bill originates only in the Lok Sabha. No money bill can be introduced in the Lok Sabha without the prior approval of the president.



matters. Thereafter, the second, third and Law Commissions fourth were constituted in 1853, 1861 and 1879 respectively.

92. (B) The Minimum Wages Act, 1948 was enacted to safeguard the interests of workers, mostly in the unorganised sector for the fixation of minimum wages in certain specified employments. It binds the employers to pay their workers the minimum wages fixed under the Act from time to time. Under the Act, both the Central Government and the State Governments are the appropriate Governments to fix, revise, review and enforce the payment of minimum wages to workers in respect of 'scheduled employments' under their respective jurisdictions.

93. (C) A continent sized hole has been formed over Antarctica as a result of damage to the ozone layer. Most of the ozone is formed in the stratosphere over the equator and spreads by winds around the globe. Icy particles in polar stratospheric clouds catalyse the release of chlorine (from CFC) which destroys ozone. The formation of Ozone hole is maximum because in winter there is exceptionally cold.

Apply KCL at node V₁,

10A(1)

$$10 = \frac{V_1}{1} + \frac{V_1 - V_2}{2}$$

3V₁ - V₂ = 20 ...(i)
Now apply KCL at node V

$$\frac{V_1 - V_2}{2} = \frac{V_2}{4} + 5 + \frac{V_2}{4}$$

$$2V_1 - 4V_2 = 20$$
 ...(ii)

On solving both equations, we get

$$V_1 = 6$$
 Volt

 $V = 100 + 25 \sin 3 \omega t + 10 \sin 5 \omega t$ Effective value of voltage,

$$V_{eff} = \sqrt{(100)^2 + \left(\frac{25}{\sqrt{2}}\right)^2 + \left(\frac{10}{\sqrt{2}}\right)^2}$$

$$= 101.796 \approx 101.8$$
 Volt

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