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

KЪ

Answer-key & Solution

SSC JE (Mechanical) MOCK -(109) Date 05.8.2017

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

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KЪ Campus **KD** Campus Pvt. Ltd 2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009 **SOLUTION SSC JE (Mechanical) MOCK TEST no. 109** 'ireland' ends in 'land'. 1. (A) 2. (B) 3. (C) 4. (D) 5.(C) ENGAGE 28.(D) Word **Position in Alphabet** 6.(A) SCATTER D $2^2 = 4$ 7. (A) В 8. (B) Ι 9. (C) $2 \rightarrow 1^2 + 1$, $5 \rightarrow 2^2 + 1$ $3^2 = 9$ $26 \rightarrow 5^2 + 1$ **677** $\rightarrow 26^2 + 1$ С $0 \rightarrow 1^3 - 1$, $6 \rightarrow 2^3 - 2$ 10.(B) Ρ 16 4 $24 \rightarrow 3^3 - 3,$ $4^2 = 16$ $60 \rightarrow 4^3 - 4$ D $120 \rightarrow 5^3 - 5$ $210 \rightarrow 6^3 - 6$ (**Y**) 25 $\mathbf{336} \rightarrow 7^3 - 7$ $5^2 = 25$ 5 12. (C) (E) 11.(B) 13. (D) 14. (A) 15.(D) All the rest are beasts of burden. 16.(D) All the rest are ornaments. 29.(A) $3 \times 2 = 6$ $6 \times 2 = 12$ 17.(C) One more letter is there. ВΒ F F L D C 18.(A) ECZEMA is a skin disease. Rest are 30.(A) $\sqrt{01} \rightarrow 1$, $(\mathbf{1} + 1)^3 = 2^3 = 8$ related to eye. 19.(D) After dividing the number 59 by 8, we get $\sqrt{16} \rightarrow 4$, (4 + 1)³ = 5³ = 125 3 as remainder, where as in other cases 31.(C) $B \rightarrow 2 \Rightarrow 2^4 = 16$ Similarly, $D \rightarrow 4 \Rightarrow 4^4 = 256$ we get 2 as remainder. 32.(A) 144 is a perfect square. Rest are perfect 20.(D) cubes. 10 km С B 21.(D) 22. (C) 5 km5 km23.(B) Kanna > Malik, 10 km W--E Krish > Dev Α Krish > Veena > Malik 5 km Dev > Veena S $\sqrt{10^2+5^2}$ Krish > Dev > Veena > Malik 24.(D) We have, AD = $\sqrt{100 + 25} = \sqrt{125}$ kms.



- is related to Composer. 27.(A) 'Germany' ends in '**many**'. Similarly
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Original price = 100 Reduced Price = 75

To make it 100 again increase = 25

2

M



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and mammals but it does not occur in all tetrapod groups. Jacobson's organ ducts connect the organ directly to the nasal cavity in lizards and snakes and helps them in smelling and in communication.

- 61. (B) Consequences of inflationary price rise are Income redistribution, falling real income, Negative real interest rates, cost of borrowing, Risk of wage inflation, Business competitiveness and Business uncertainity. So Answer will be Increase in economic in equalities.
- 63. (C) Metalloid is a chemical element with properties in between or a mixture of those of metals and non-metals. Six recognized metalloids are Boron, Silicon, Germanium, Arsenic, Antimony and Tellurium.
- 66. (D) Laterite soils are aluminous rock, formed by the decomposition because they are found in black soil region with heavy rainfall. This soil is found in the Eastern Ghat of Orissa, the Southern parts of Western Ghat, Malabar Coastal plains and Ratnagiri of Maharashtra, and also some parts of Andhra Pradesh, Tamil Nadu, Karnataka, Meghalaya and Western part of West Bengal.
- 67. (D) Cloudburst is a sudden downpour within a radius of few kilometres. It does not last longer but is capable of flooding the area.
- 68. (A) Three language formula is a formula of language learning formulated by the Union Education Ministry of the Government of India in consultation with the states. This formula was formulated in response to demands from non-Hindi speaking states such as Karnataka, Andhra Pradesh and Tamil Nadu. Kothari Commission was set up in 1964

under the chairmanship of Dr. D.S. Kothari and this commission proposed three language formula.

- 69. (B) Analogous structures are superficially similar but anatomically dissimilar doing similar functions i.e animals belonging to different groups live in the same habitat like wings of birds and insects are examples of Analogous structure.
- 71. (A) The national income of a country can be measured by three alternative methods (i) Product Method (ii) Income Method and (iii) Expenditure Method.
- 72. (C) Seaweeds contain Iodine compound and obtain Iodine by extracting iodide ions from the seawater.
- 73. (B) The Ryotwari system is the system to collect revenues from the cultivators of

agricultural land. The land revenue was imposed directly on the ryots (are the individual cultivators who actually worked on the land). In Bombay, Madras, Assam and Burma the Zamindars usually did not have a position as a middleman between the government and the farmer. It was introduced by Sir Thomas Munro, appointed as Governor of Madras in May 1820.

- 75.(B) Water Gas is a synthesis gas containing Carbon monoxide and Hydrogen $[CO+H_2]$.
- 77.(A) The PURA Scheme was advocated by A.P.J Kalam former President of India. In this scheme urban amenities are provided in rural areas. PURA is set to get a push, with pilot schemes planned under the publicprivate partnership mode. This social inclusion programme aims at providing amenities like drinking water, street lights, education, health care and telecom services to the country's rural areas and ensure that 626,000 villages become the part of development process.
- 78. (D) Regressive tax is a tax that takes a larger percentage from low income people than from high-income people.This tax is applied uniformly i.e. it hits lower income individuals.
- 83. (C) A convex mirror is also known as diverging mirror. It is a curved mirror in which the reflective surface bulges towards the light source i.e. it reflect light outwards. Such mirrors always forms a virtual image. In vehicles convex mirror is used because it helps the driver to view objects as they appear closer.
- 84. (C) Carotene are unsaturated hydrocarbon substances which are synthesized by plants and are photosynthetic pigments that helps in photosynthesis. Carotenes are responsible for the orange colour of the carrot.
- 88. (D) RAM is Random Access Memory-It is a type of computer memory that can be accessed randomly i.e any byte of memory can be accessed without touching the preceding bytes. It is the most common type of memory found in computers and other devices like printers. There are 2 types of RAM – DRAM (Dynamic RAM) and SRAM (Static RAM)
- 90. (D) Malawath Purna on 25th May 2015 scaled the highest peak of Mount Everest at 13 years and 11 month of age. She became the youngest girl to have reached the summit of Mt. Everest. She was born in



