



Campus K D Campus Pvt. Ltd

#### 1997, GROUND FLOOR OPPOSITE MUKHERIEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, NEW DELHI – 09

- 26. (2) Sultan Haitham bin Tarik was on state visit to India from December 16, 2023. Trade between India and Oman has a history of several millenniums and archaeological excavations in Oman have unearthed evidence to show Indo-Oman trade during the Classical Age dated to circa third century BCE.
- 27. (4) The G7 nations will ban imports of rough diamonds directly from Russia starting January 1, 2024. The ban will also include Russian diamonds that have been processed in third countries starting March 1, 2024. The G7 will also implement a full traceability system by the beginning of September. The restrictions will apply to diamonds of one carat and above, expanding to half a carat or lower from September with traceability systems.
- 29. (2) A Municipal Corporation is a local governing body for cities, towns and villages. The British East India Company set up the first Municipal Corporation in 1687-88, in Madras.
- 30. (2) The Central Board of Indirect Taxes and Customs (CBIC) has constituted Customs, Central Excise and Service Tax Settlement Commission. It aims to resolve and settle the show-cause notices issued under the Customs Act, Central Excise Act and Service Tax regime.
- 31. (3) On 14 December 1990, the United Nations General Assembly designated October 1 as the International Day of Older Persons.
- 33. (2) Because the colour of chlorophyll is green, so it strongly absorbs blue and red colours of electromagnetic spectrum of the Sun.
- 34. (3) The Houthi movement, officially named Ansar Allah or "Supporters of God," is a Shia Islamist political and military organization originating in Yemen's Saada Governorate in the 1990s. Belonging to a clan from Yemen's northwestern Saada province, the Houthis adhere to the Zaidi branch of Shiite Islam.
- 38. (1) The major constituent of biogas is methane (55-70%), CO2 (30-45%) and some traces of gases such as H2S and ammonia.
- 39. (1) Cow milk has 3-4 percent of fat, while buffalo milk has about 7.2%.
- 41. (4) The water pollution in the rivers is measured by the amount of dissolved oxygen. Dissolved oxygen (DO) is a measure of how much oxygen is dissolved in the water. Dissolved oxygen (DO) is the amount of oxygen available to living aquatic organisms. The amount of dissolved oxygen indicates its water quality.
- 42. (1) It uses the centrifugal force to move the particles to the bottom of the tube. In the above processes, both processes use the centrifugal force and act in the same manner. So, we can say that the working principle of the washing machine is centrifugation.
- 43. (1) Astronomical unit is the average distance between the Earth and the sun during an ear. It is useful to measure and report large distances. Q. Polar is located at a distance of 434 light-years from Earth.
- 44. (2) Puerto Miranda is an oil port situated on the east side of Lake Maracaibo in Venezuela opposite to the city of Maracaibo and is operated by the Venezuelan State Oil Company (PDVSA PETROLEO, S.A.) It is the largest crude oil export port in South America.
- 46. (2) Presently, markets in agricultural products are regulated under the Agricultural Produce Market Committee (APMC) Act enacted by State Governments. There are about 2477 principal regulated markets based on geography (the APMCs) and 4843 sub-market yards regulated by the respective APMCs in India.
- 49. (1) Stormy weather condition is indicated by a sudden fall in barometer reading. Because decrease of pressure indicates the advent of storms.

KB Campus K D Campus Pvt. Ltd 1997, GROUND FLOOR OPPOSITE MUKHERIEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, NEW DELHI – 09 51. (4) ATQ, Spirit : Water Initial ratio 7×3 : 6×3 3×7 :  $2 \times 7$ Final ratio Spirit is added not Water. So Water will be equal. Spirit : Water = Total  $7 \qquad \vdots \qquad 6 \qquad \end{pmatrix} 4 = 13$ Initial ratio Final ratio 9 13 unit = 104 litres 1 unit = 8 litres 2 unit = 8 × 2 = 16 litres *.*..  $\frac{8 \text{ person} \times 8 \text{ hour }}{2} = \frac{16 \text{ person} \times 5 \text{ hour }}{2}$ 52. (2) 12000 Amount Amount =  $\frac{16 \text{ person} \times 5 \text{ hour} \times 12000}{8 \text{ person} \times 8 \text{ hour}} = \text{₹}15000$ *:*.. 53. (1) | Let total capacity | efficiency A = 10 3 30 B = 15 2 A fills 3 unit in first minute and B empties 2 unit in second minute. (A - B)'s efficiency = (3 - 2) in 2 minutes = 1 unit in 2 minutes Efficiency Minute 1 unit 2  $= 27 \times 2 = 54$  minutes 27 unit Next 3 unit, only A can fill in 1 minute 27 + 3 unit = 54 + 1 30 unit = 55 minutes *.*•. 54. (2) Speed of man in still water, u = 3.75 km/hr Speed of the stream, v = 2.25 km/hrUpstream speed = (u - v) = (3.75 - 2.25)km/hr = 1.5 km/hrUpstream time =  $\frac{\text{Distance}}{\text{Upstream speed}} = \frac{18 \text{ km}}{1.5 \text{ km} / \text{ hr}} = 12 \text{ hr}$ Downstream speed = x + y = (3.75 + 2.25) km/hr = 6 km/hrDownstream time =  $\frac{\text{Distance}}{\text{Downstream speed}} = \frac{18 \text{ km}}{6 \text{ km} / \text{ hr}} = 3 \text{ hr}$ Total time = (12 + 3) = 15 hours *.*..

#### Ph: 09555108888, 09555208888



**EXAMPLE 1997. GROUND FLOOR OPPOSITE MURKHINEE ARGAR POLICE STATION, OUTRAM LINES, GTE MAGAR, NEW DELHI – 09**  
**56.** (3) Average weight of the 12 employees increased by 
$$4\frac{1}{2}$$
 kg.  
Total increased weight  $= 12 \times 4\frac{1}{2}$  kg  $= 12 \times \frac{9}{2}$  kg  $= 54$  kg  
Weight of old employees  $= 58$  kg  
**57.** (2) 2cosec<sup>3</sup> 23<sup>3</sup>. col<sup>3</sup> 67<sup>3</sup> - sin<sup>2</sup> 23<sup>3</sup> - sin<sup>2</sup> 67<sup>4</sup> - col<sup>2</sup> 67<sup>4</sup>  
2cosec<sup>3</sup> 23<sup>3</sup>. col<sup>3</sup> (90<sup>-2</sup> 3)<sup>3</sup> - sin<sup>2</sup> 23<sup>3</sup> - sin<sup>2</sup> 60<sup>4</sup> - col<sup>2</sup> 67<sup>4</sup>  
2cosec<sup>2</sup> 23<sup>3</sup>. col<sup>3</sup> (90<sup>-2</sup> 3)<sup>3</sup> - sin<sup>2</sup> 23<sup>4</sup> - sin<sup>2</sup> 90<sup>-2</sup> 3)<sup>3</sup> - col<sup>2</sup> 67<sup>4</sup>  
2cosec<sup>2</sup> 23<sup>3</sup>. col<sup>3</sup> (90<sup>-2</sup> 3)<sup>3</sup> - sin<sup>2</sup> 23<sup>4</sup> - sin<sup>2</sup> 90<sup>-2</sup> - col<sup>2</sup> 67<sup>5</sup>  
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63. (1)	The remainder when 10 <sup>1</sup> is divided by 6 is 4						
	The remainder when $10^2$ is divided by 6 is 4						
	The remainder when $10^3$ is divided by 6 is 4						
	The remainder when $10^4$ is divided by 6 is 4						
	Thus the remainder is always 4.						
	So, the required remainder = $\frac{4+4+4+78 \text{ times}}{6}$						
	$=\frac{4\times78}{6} \Rightarrow \text{remainder 0}$						
	Thus the remainder is 0						
64. (3)	Given LCM = 385						
	HCF = 7						
	Let the numbers are 7x and 7y						
	LCM = 7xy						
	7xy = 385						
	xy = 55						
	Possible co-prime factors are $\begin{bmatrix} 1, & 55\\ 5, & 11 \end{bmatrix}$						
	Possible numbers are 7x and 7y = $\begin{bmatrix} 7, & 385\\ 35, & 77 \end{bmatrix}$						
	Difference of the number = 42						
	So, required number = (35, 77)						
	Sum of the numbers = $(35 + 77) = 112$						
65. (2)							
	D S CM 19 CM						
	A C						
	CD = (14 - 5)cm = 9 cm						
	We know that,						
	$AD^2 = BD \times CD$						
	$AD^2 = 9 \times 5$						
	$AD = \sqrt{9 \times 5} = 3\sqrt{5} \text{ cm}$						







### Ph: 09555108888, 09555208888

Campus K D Campus Pyt. L

**K D Campus Pvt. Ltd** 1997, ground floor opposite mukherjee nagar police station, outram lines, gtb nagar, new delhi – 09

# **MEANINGS IN ALPHABETICAL ORDER**

Autonomy	the right or condition of self-government	स्वयं शासन
Blatant	(of bad behavior) done openly and unashamedly	मुखर
Broad	having an ample distance from side to side; wide	विस्तृत
Calligrapher	someone skilled in penmanship	सुंदर लिखावट वाला व्यक्ति
Cannibalism	act of feeding on human flesh	नरमांस-भक्षण
Cartographer	a person who draws or produces maps.	वह व्यक्ति जो मानचित्र बनाता हो
Concede	admit that something is true or valid	स्वीकार करना
Confer	grant or bestow (a title, degree, benefit, or right)	उपाधि प्रदान करना
Confide	tell someone about a secret or private matter	गुप्त बात कहना
Confined	limited to a certain extent	सीमित
Connoisseur	A critical judge of any art and craft	विशेषज्ञ
Constituent	a component part of something	घटक
Contemporaries	Persons living at the same time	समकालीन
Convalescent	One who is recovering health after illness	स्वास्थ्य प्रदान करने वाला व्यक्ति
Cynosure	One who is a centre of attraction	आकर्षण बिंदु
Debonair	A person having a sophisticated charm	सुशील व्यक्ति
Demagogue	A leader who sways his followers by his oratory	वाक-चातुर्य जननेता
Denominator	a divisor	भाजक
Dilettante	A dabbler (not serious) in art, science and literature	(कला, विज्ञान और साहित्य आदि के मामले में) शौकिया, अनाड़ी
Exaggerated	regarded or represented as larger, better,	अतिश्योक्तिपूर्ण
	or worse than in reality	
Exemplary	serving as a desirable model	अनुकरणीय
Futile	incapable of producing any useful result	व्यर्थ
Magnitude	the great size or extent of something	परिमाण, मात्रा
Parity	the state or condition of being equal	समता
Valour	great courage in the face of danger	साहस
Vociferously	in a loud and forceful manner	तेज आवाज में

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## SSC MOCK TEST - 419 (ANSWER KEY)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	$\begin{array}{c} (4) \\ (2) \\ (4) \\ (1) \\ (1) \\ (3) \\ (2) \\ (1) \\ (3) \\ (2) \\ (1) \\ (3) \\ (2) \\ (1) \\ (3) \\ (3) \\ (4) \\ (2) \\ (1) \\ (3) \end{array}$	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
21. 22. 23. 24.	(1) (3) (3) (2) (4)	$\begin{array}{c} 47. \ (4) \\ 48. \ (1) \\ 49. \ (1) \\ 50. \ (1) \end{array}$	$\begin{array}{ccc} 71. & (4) \\ 72. & (3) \\ 73. & (1) \\ 74. & (2) \\ 75. & (1) \end{array}$	97. (1) 98. (4) 99. (4)
25.	(+)	30. (1)	<i>i</i> 3. (1)	100. (4)

76. (2) Since the indirect speech is in past tense, 'is' should be changed into 'was'.

77. (3) 'is' should be changed into 'are', as the subject is plural.

87. (2) 'A few' is used with countable nouns. e.g- rats.

90. (2) The correct spelling of 'Convelescent' is 'Convalescent'.

91. (2) The correct spelling of 'Demogogue' is 'Demagogue'.