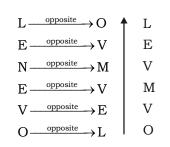


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#### SSC MOCK TEST - 359 (SOLUTION)

1. (D) As,

α:	:1 -	1	
Sim	.11a	iriv.	



$F \xrightarrow{\text{opposite}} U$	I
$I \xrightarrow{\text{opposite}} R$	V
$N \xrightarrow{\text{opposite}} M$	Т
$G \xrightarrow{\text{opposite}} T$	M
$E \xrightarrow{\text{opposite}} V$	R
$R \xrightarrow{\text{opposite}} I$	U

- 2. (C) Human take Oxygen, while Tree take Carbon dioxide.
- 3. (D) 'Henry', 'Siemen', Heartz are Measuring unit of Inductance, Conductance and Frequency respectively, while Resistance is a electrical parameter whose measuring unit is ohm.
- 4. (A) (A)  $7 \rightarrow 7^2 \rightarrow 49 = 4 + 9 = 13 \neq 15$ 
  - (B)  $8 \rightarrow 8^2 \rightarrow 64 = 6 + 4 = 10$
  - (C)  $9 \rightarrow 9^2 \rightarrow 81 = 8 + 1 = 9$
  - (D)  $10 \rightarrow 10^2 \rightarrow 100 = 1 + 0 + 0 = 1$
- 5. (D) As,

Similarly,

$$\begin{array}{l} G_7 & \xrightarrow{\text{Consonant}} & \longrightarrow 14 \\ R_{18} & \xrightarrow{\text{Consonant}} & \longrightarrow 36 \\ A_1 & \xrightarrow{\text{Nowel}} & \longrightarrow 3 \\ D_4 & \xrightarrow{\text{Consonant}} & \longrightarrow 8 \\ U_{21} & \xrightarrow{\text{Nowel}} & \longrightarrow 63 \\ A_1 & \xrightarrow{\text{Vowel}} & \longrightarrow 3 \\ T_{20} & \xrightarrow{\text{Consonant}} & \longrightarrow 40 \\ E_5 & \xrightarrow{\text{Vowel}} & \longrightarrow 15 \\ \end{array}$$

$$\begin{array}{c} R_{18} \xrightarrow[]{\text{Consonant}} 36 \\ E_5 \xrightarrow[]{\text{Vowel}} 15 \\ L_{12} \xrightarrow[]{\text{Consonant}} 24 \\ A_1 \xrightarrow[]{\text{Vowel}} 3 \\ T_{20} \xrightarrow[]{\text{Consonant}} 40 \\ I_9 \xrightarrow[]{\text{Consonant}} 27 \\ V_{22} \xrightarrow[]{\text{Consonant}} 44 \\ E_5 \xrightarrow[]{\text{Vowel}} 15 \end{array}$$

- 6. (C) 25 36 52 74 103 **140**+11 +16 +22 +29 +37
  +5 +6 +7 +8
- 8. (C) \_ \_ K \_ \_ .....(i)
  - M > T > K .....(ii)

From equation (i) and (ii),

$$M > T > K > _ > _$$

Hence, three students are smaller than T.



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- 9. (A) As,  $(26 - 19)^2 = 49$ Similarly,  $(25 - 17)^2 = 64$
- (A) H **H** Z **B** H/O Z C H O/**Z** D **H** O **H**/E H **O** Z F 10.
- 11. (A)
- 12. (C) In first row,

$$(13 + 12) + (13 + 12)^2 = 650$$

In second row,

$$(15 + 16) + (15 + 16)^2 = 992$$

In third row,

$$(8 + 9) + (8 + 9)^2 = 306$$

13. (B)  $39 \div 3 \times 13 + 26 - 13 = 2$ 

$$39 - 3 \times 13 + 26 \div 13 = 2$$

$$39 - 39 + 2 = 2$$

$$2 = 2$$

- 14. (B) 4. Nomination  $\rightarrow$  5. Campaign  $\rightarrow$  1. Polling  $\rightarrow$  3. Result  $\rightarrow$  2. Sworn
- 15. (B) Let the present age of son be x years.

Father's age = 
$$2x$$
 years

ATQ,

$$(x-10) \times 3 = 2x - 10$$

$$3x - 30 = 2x - 10$$

$$x = 20 \text{ years}$$

- ∴ Present age of son = 20 years
- (B) Let at 6: x O'clock will the hand of a clock be at right angle. 16.

$$\mathbf{x} \times \frac{11}{2} - 6 \times 30 = 90$$

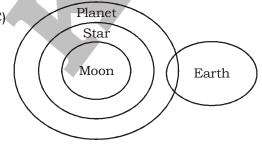
$$\frac{11x}{2} = 90 + 180$$

$$\frac{11x}{2} = 270$$

$$x = \frac{540}{11} = 49 \frac{1}{11} minute$$

Hence at 6:  $49\frac{1}{11}$  O'clock will the hand of clock be at right angle.

17. (C)



- I. False
- II. False
- III. True

Hence, only conclusion III follows.

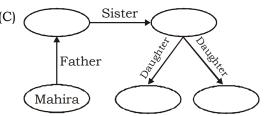


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18. (B)

19. (A)

20.



Hence, Mahira is the cousin of those girls.

21. (B) In 100 years there are 5 odd day's

Last day of first century is Friday.

In 200 years there are = 
$$5 \times 2 = \frac{10}{7}$$
 (3 odd days)

Last day of 2<sup>nd</sup> century is Wednesday.

In 300 years there are = 
$$5 \times 3 = \frac{15}{7}$$
 (1 odd days)

Last day of 3<sup>rd</sup> century is Monday.

In 400 years there are = 0 odd days.

24. (B)

: Last day of 4th century is Sunday. This cycle is repeated.

Last day of century can not be, Tuesday, Thursday and Saturday.

22. (B) As,

And,

Similarly,

M	A	D	N	E	S	2
<u>a</u>	!	^	%	*	?	?
		L	0	V	E	
		>	&	\$	*	
S	$\mathbf{E}$	L	D	0	M	
_	4		^	0_		

- 23. (B)
- 26. (B) Amazon is the greatest river in the world by so many measures; the volume of water it carries to the sea (approximately 20% of all the freshwater discharge into the oceans), the area of land that drains into it, and its length and width. It is one of the longest rivers in the
- 28. (A) BRICS is the acronym for an association of five major emerging national economies: Brazil, Russia, India, China and South Africa. Originally the first four were grouped as "BRIC", before the induction of South Africa in 2010. The BRICS members are all leading developing or newly industrialized countries.
- 29. (C) "Public interest Litigation", in simple words, means litigation filed in a court of law, for the protection of "Public Interest", such as Pollution, Terrorism, Road safety, Constructional hazards etc. Any matter where the interest of public at large is affected can be redressed by filing a Public Interest Litigation in a court of law.
- 31. (B) Human Rights Day is observed every year on 10 December. It commemorates the day on which, the United Nations General Assembly adopted the Universal Declaration of Human Rights. In 1950, the Assembly passed resolution 423 (V), inviting all States and interested organizations to observe 10th December of each year as Human Rights Day.
- 32. (D) Sankalp is a pilot project, launched by the Employees' State Insurance Corporation (ESIC) in collaboration with the Hindustan Latex Family Planning Promotion Trust, to prevent fresh HIV positive cases among members of the ESIC in the State through awareness camps.
- 33. (B) Mixed melting point is considered to be the best criteria for purity of a substance. The purified sample is mixed with a small quantity of pure compound and melting point of mixture is determined. If melting point of mixture is same as that of the pure compound, the sample compound is pure, otherwise it requires further purification.



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- 34. (A) Remote sensing is the acquisition of information about an object or phenomenon without making physical contact with the object and thus in contrast to on site observation. Remote sensing is used in numerous fields, including geography and most Earth Science disciplines.
- (A) The Antikythera mechanism is an ancient analogue computer and orrery used to predict 35. astronomical positions and eclipses for calendrical and astrological purposes, as well as the Olympiads, the cycles of the ancient Olympic Games.
- 36. (B) Alauddin Khilji was a militarist and imperialist to the core. He was very ambitious. Alauddin, whose original name was Ali Gurshap, assumed the title Sikandar-i-Sani (Alexander the Second) and proclaimed Delhi as Dar-ul-Khilafa (Seat of the Caliphate).
- 37. (A) Kaziranga National Park is the name to exemplify the most popular conservation efforts to save the endangered species like one-horned rhinoceros in India. Located in the Golaghat and Nagaon district of Assam, this most notable wildlife sanctuary is being declared as a World Heritage Site by UNESCO in the year 1985. The park resides at an edge of the Eastern Himalayan biodiversity hotspot and this could be the perfect reason to envision high degrees of diversified species with great visibility.
- 39. (B) Each kidney is made up of about a million filtering units called nephrons. Each nephron filters a small amount of blood. The nephron includes a filter, called the glomerulus and a tubule. The nephrons work through a two-step process.
- (D) The Union Cabinet approved a policy for long-term leasing of railway land for the PM Gati 40. Shakti programme.
- 42. (B) The International Development Association (IDA) is an international financial institution which offers concessional loans and grants to the world's poorest developing countries. The IDA is a member of the World Bank Group and is headquartered in Washington, D.C., United
- (C) Himalaya Diwas is celebrated every year on 9 September in the state of Uttarakhand, with 43. an aim to conserve Himalayan ecosystem and region. It was officially declared as Himalaya Day in 2015 by the state's then Chief Minister.
- 47. (D) Mumps is a relatively mild short term viral infection of the salivary glands that usually occurs during childhood. The salivary glands are also called the parotid glands; therefore, mumps is some times referred to as an inflammation of the parotid glands (epidemic parotitis).
- 49. (D) Taxes on tooth paste come under GST which is administered by State government. Sales tax is paid to sales tax authority in the state from where the goods are moved.
- (A) Wajid Ali Shah was the tenth and last Nawab of Awadh, holding the position for 9 years, from 50. February 13, 1847 to February 11, 1856. He was the Nawab when Awadh merged into British Empire.
- (B) Profit  $\% = \frac{\text{Real W eight- F alse W eight}}{\text{False Weight}} \times 100$ 51.

$$= \left(\frac{1000 - 800}{800} \times 100\right)\% = 25\%$$

52. (A) Ratio of efficiency of Rahim, Ram and Guru = 2:5:3

Total work =  $30 \times (2 + 5 + 3)$  units = 300 units

Time taken by Guru alone to complete the task =  $\frac{300}{3}$  = 100 hours

Time taken by Guru to complete 60% of task = 60% of 100 = 60 hours



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53. (C) Let the speed of three cars be x, y and z km/hours and distance between Begusarai and Patna be D km.

ATQ,

$$\left(\frac{D}{x} - \frac{D}{y} = \frac{D}{y} - \frac{D}{z}\right)$$

$$\frac{2D}{y} = \frac{D}{x} + \frac{D}{z}$$

$$\frac{2}{y} = \frac{1}{x} + \frac{1}{z}$$

....(i)

$$\frac{126}{x} - \frac{126}{y} = \frac{1}{4}$$

$$\frac{1}{x} - \frac{1}{y} = \frac{1}{4 \times 126} = \frac{1}{504}$$

Distance travel by third car when meet the first car = (126 + 18) km = 144 km Distance travel by first car when meet the third car = (126 - 18) = 108 km ATQ,

$$\frac{144}{z} = \frac{108}{x}$$

$$\frac{4}{z} = \frac{3}{x}$$

Adding equation (i) and from (ii) ×2,

$$\frac{2}{x}-\frac{2}{y}=\frac{2}{504}$$

$$\frac{2}{y} - \frac{1}{x} = \frac{1}{z}$$

$$\frac{1}{x} = \frac{2}{504} + \frac{1}{z}$$

$$\frac{3}{x} = \frac{6}{504} + \frac{3}{7}$$

$$\frac{4}{z} = \frac{1}{84} + \frac{3}{z}$$

[From equation (ii)]

$$\frac{1}{z} = \frac{1}{84}$$

$$z = 84$$

Speed of third car = 84 km/hr

(B) Cost price of TV = ₹ 7500 54.

SP of the TV = ₹ 7500 × 
$$\frac{115}{100}$$
 = ₹ 8625

Discount = 
$$MP - SP = 10000 - 8625 = ₹ 1375$$

Let the discount percentage = x%

ATQ,

$$\frac{10000 \times x}{100} = 1375$$

$$x = 13.75\%$$

55. (D) Radii of faces of the frustum of cone = 6 cm and 4 cm

Height of frustum of cone = 10.5 cm

Volume of frustum of cone = = 
$$\frac{1}{3}\pi h \left[ R^2 + r^2 + Rr \right]$$

$$= \frac{1}{3} \times \frac{22}{7} \times 10.5 \left[ 6^2 + 4^2 + 6 \times 4 \right]$$

$$= \frac{1}{3} \times \frac{22}{7} \times 10.5 \times 76 = 836 \text{ cm}^3$$

56. (B)  $\sqrt{x} - \frac{1}{\sqrt{x}} = 2\sqrt{2}$ 

Squaring both sides,

$$x + \frac{1}{x} - 2 \times \sqrt{x} \times \frac{1}{x} = 8$$

$$x + \frac{1}{x} - 2 = 8$$

$$x + \frac{1}{x} = 10$$

Squaring both sides,

$$x^2 + \frac{1}{x^2} + 2 \times x \times \frac{1}{x} = 100$$

$$x^2 + \frac{1}{x^2} = 98$$

(A)  $\tan \theta = \cot(60^\circ + \theta)$ 

$$\tan[90^{\circ} - (90^{\circ} - \theta)] = \cot(60^{\circ} + \theta)$$

$$\cot(90^{\circ} - \theta) = \cot(60^{\circ} + \theta)$$

$$90^{\circ} - \theta = 60^{\circ} + \theta$$

$$2 \theta = 30^{\circ}$$

$$\theta = 15^{\circ}$$

 $[\because \tan(90 - \theta) = \cot \theta]$ 



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58. (B) 
$$\frac{\cos \theta}{1 - \sin \theta} + \frac{\cos \theta}{1 + \sin \theta} = 4$$

$$\cos\theta \left[ \frac{1 - \sin\theta + 1 + \sin\theta}{1 - \sin^2\theta} \right] = 4$$

$$\frac{\cos\theta\times2}{\cos^2\theta}=4$$

$$\frac{2}{\cos\theta} = 4$$

$$\cos \theta = \frac{1}{2} = \cos 60^{\circ}$$

$$\therefore \tan \theta + \csc \theta = \tan 60^\circ + \csc 60^\circ = \left(\sqrt{3} + \frac{2}{\sqrt{3}}\right)$$

$$= \left(\frac{3+2}{\sqrt{3}}\right) = \frac{5}{\sqrt{3}} = \frac{5 \times \sqrt{3}}{\sqrt{3} \times \sqrt{3}} = \frac{5\sqrt{3}}{3}$$

$$A(x, 0)$$
  $B(1, 1)$   $C(0, y)$ 

Slope of AB = Slope of BC = Slope of AC

$$\frac{1-0}{1-x} = \frac{y-1}{0-1} = \frac{0-y}{x-0}$$

$$\frac{1}{1-x} = \frac{y-1}{-1} = \frac{-y}{x}$$

$$(1-x)(y-1)=-1$$

$$\frac{1}{1-x} = \frac{-y}{x}$$

$$x - 1 = \frac{-x}{y}$$

$$\frac{x}{-x} - \frac{1}{-x} = \frac{1}{y}$$

$$-1 + \frac{1}{x} = \frac{1}{y}$$

$$\frac{1}{x} - \frac{1}{y} = 1$$

60. (C) 
$$(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$$

$$(2)^2 = 26 + 2(ab + bc + ca)$$

$$4 - 26 = 2(ab + bc + ca)$$

$$ab + bc + ca = -11$$

$$\therefore a^3 + b^3 + c^3 - 3abc = (a + b + c) (a^2 + b^2 + c^2 - ab - bc - ca)$$

$$= 2[26 - (-11)] = 2 \times 37 = 74$$

61. (D) Let the number male of be x and the number of female be y.

$$\frac{40.8 \, x + 21 y}{x + y} = 32$$

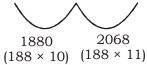
$$40.8x + 21y = 32x + 32y$$

$$8.8 x = 11y$$

$$\frac{x}{y} = \frac{11}{8.8} = \frac{5}{4}$$

Required Percentage =  $\frac{5}{9} \times 100 = \frac{500}{9} \% = 55 \frac{5}{9} \%$ 

62. (C) 3840, 7788 5720,



So, the greatest number, d can be 188 Now,

3810

30 5720

$$r = 80$$

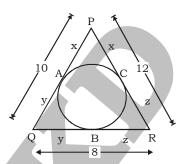
$$r = 80$$

$$r = 80$$

In all three cases r is same.

So, 
$$(d + r) = (188 + 80) = 268$$

63. (A)



Let PA = PC = x (Tangent from point P)

$$QA = QB = y$$
 (Tangent from point Q)

$$RB = RC = Z$$
 (Tangent from point R)

Now,

$$x + y + y + z + z + x = 16 + 12 + 8$$

$$2(x + y + z) = 36$$

$$x + y + z = 18$$

$$x + y = 16$$



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$$y + z = 8$$

$$x + z = 12$$

Solving equation (i) and (iii)

$$x + y + z = 18$$

$$y + z = 8$$

Solving equation (i) and (iv)

$$x + y + z = 18$$

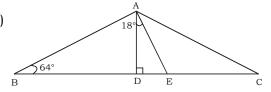
$$_{x} + _{z=12}$$

$$PC = x = 10 \text{ cm}$$

$$QB = y = 6 \text{ cm}$$

$$\therefore$$
 PC + QB = 10 + 6 = 16 cm

64. (C)



In ΔABD,

$$\angle BAD = 180^{\circ} - 90^{\circ} - 64^{\circ} = 26^{\circ}$$

$$\angle BAE = 26^{\circ} + 18^{\circ} = 44^{\circ}$$

$$\angle BAE = \angle EAC = 44^{\circ}$$
 (AE is the angle bisector).

In ∆ABC,

$$\angle ACB = 180^{\circ} - 88^{\circ} - 64^{\circ} = 28^{\circ}$$

65. (A) Let total sum invested be 200x.

$$200x \text{ of } \frac{2}{4} = 200x \times \frac{2}{4} = 100x$$

$$200x \text{ of } \frac{1}{5} = 200x \times \frac{1}{5} = 40x$$

Remaining Amount = 200x - (100x + 40x) = 60x

ATQ,

$$\frac{100x \times 4 \times 3}{100 \times 2} + \frac{40x \times 3 \times 10}{100 \times 3} + \frac{60x \times 5 \times 6}{100 \times 2} = 646$$

$$6x + 4x + 9x = 646$$

$$19x = 646$$

$$x = \frac{646}{19} = 34$$

$$x = 34$$

∴ Total sum = 
$$200x = 200 \times 34 = ₹6800$$



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66. (A) 
$$5\sin\theta - 4\cos\theta = 0$$

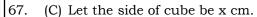
$$5\sin\theta = 4\cos\theta$$

$$5\sin\theta - 2\cos\theta$$

$$\therefore \frac{3\sin\theta + 3\cos\theta}{5\sin\theta + 3\cos\theta}$$

Putting the value of  $5\sin\theta$ 

$$\frac{4\cos\theta - 2\cos\theta}{4\cos\theta + 3\cos\theta} = \frac{2\cos\theta}{7\cos\theta} = \frac{2}{7}$$



Volume of cube = 
$$(side)^3 = x^3 cm^3$$

Let the cube is cut along its height So, the sides of cuboid is x cm, x cm and  $\frac{x}{3}$  cm.

Total surface are of cuboid = 
$$2(lb + bh + lh) = 2\left(x \times x + x \times \frac{x}{3} + x \times \frac{x}{3}\right) cm^2$$

$$=2\left(x^2+\frac{2x^2}{3}\right)cm^2=\frac{10x^2}{3}cm^2$$

Total surface area of cube =  $6 \times (\text{side})^2 = (6 \times \text{x}^2) \text{ cm}^2$ 

:. Required ratio = 
$$6x^2$$
:  $\left(2 \times \frac{10x^2}{3}\right) = 18x^2 : 20x^2 = 9 : 10$ 

68. (B) 
$$\frac{2}{3} \div \frac{3}{10} \text{ of } \frac{4}{9} - \frac{4}{5} \times 1 \frac{1}{9} \div \frac{8}{15} - \frac{3}{4} + \frac{3}{4} \div \frac{1}{2}$$

$$= \frac{2}{3} \div \frac{12}{90} - \frac{4}{5} \times \frac{10}{9} \div \frac{8}{15} - \frac{3}{4} + \frac{3}{4} \div \frac{1}{2}$$

$$=\frac{2}{3}\times\frac{90}{12}-\frac{4}{5}\times\frac{10}{9}\times\frac{15}{8}-\frac{3}{4}+\frac{3}{4}\times\frac{2}{1}$$

$$=5-\frac{5}{3}-\frac{3}{4}+\frac{3}{2}$$

$$=\frac{60-20-9+18}{12}=\frac{49}{12}=4\frac{1}{12}$$

Therefore 4 women can complete the work in  $\frac{3 \times 6}{4} = \frac{9}{2}$  days

Work done by 4 women in 3 days = 
$$\frac{3}{9} \times 2 = \frac{2}{3}$$

Remaining work = 
$$1 - \frac{2}{3} = \frac{1}{3}$$

16 children do 
$$\frac{1}{3}$$
 work in 3 days.



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Now, 
$$\frac{M_1D_1}{W_1} = \frac{M_2D_2}{W_2}$$

$$\frac{16 \times 3}{\frac{1}{3}} = 9 \times D_2$$

$$D_2 = \frac{16 \times 3 \times 3}{9} = 16 \, days$$

70. (B) The smallest 3 digit number divisible by 6 is 102 and the largest one is 996. Let there be n such numbers.

The set of numbers forms an arithmetic sequence:

$$t_n = a + (n - 1)d$$

Here, 
$$d = 6$$
,  $a = 102$ 

$$996 = 102 + (n - 1)6$$

$$(n-1)6 = 996 - 102 = 894$$

$$n - 1 = \frac{894}{6} = 149$$

$$n = 149 + 1 = 150$$

71. (A) Let the first term be a and common difference be d.

$$a + (3 - 1) \times d = 15$$

$$a + 2d = 15$$

And 
$$a + (5 - 1) \times d = 23$$

$$a + 4d = 23$$

By subtracting equation (i) from (ii), we get

$$a + 2d - a - 4d = 15 - 23$$

$$2d = 8$$

$$d = 4$$

Put the value of d in equation (i),

$$a + 2 \times 4 = 15$$

$$a = 15 - 8 = 7$$

$$\therefore a_{15} = a + (15 - 1) \times d$$

$$= 7 + 14 \times 4 = 7 + 56 = 63$$

72. (A) Percentage of students in EC = 19%

Ratio = boys and girls = 9:10

Percentage of boys in EC = 
$$\left(19 \times \frac{9}{19}\right)\% = 9\%$$

Percentage of girls in EC = 
$$\left(19 \times \frac{10}{19}\right)\% = 10\%$$

Difference in percentage = 
$$\left(\frac{10-9}{19} \times 100\right)\% = 5.26\%$$

Percentage of students in CS = 18%

Ratio of boys and girls = 4:5



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Percentage of boys in CS =  $\left(18 \times \frac{4}{9}\right)\% = 8\%$ 

Percentage of girls in CS =  $\left(18 \times \frac{5}{9}\right)\% = 10\%$ 

Difference in percentage =  $\left(\frac{10-8}{18} \times 100\right)\% = 11.11\%$ 

Percentage of students in IT = 21%

Ratio of boys and girls = 3:4

Percentage of boys in IT =  $\left(21 \times \frac{3}{7}\right)\% = 9\%$ 

Percentage of girls in IT =  $\left(21 \times \frac{4}{7}\right)\% = 12\%$ 

Difference in percentage =  $\left(\frac{12-9}{21} \times 100\right)\% = 14.28\%$ 

Percentage of students in ME = 22%

Ratio of boys and girls = 6:5

Percentage of boys in ME =  $\left(22 \times \frac{6}{6+5}\right)\% = 12\%$ 

Percentage of girls in ME =  $\left(22 \times \frac{5}{6+5}\right)\% = 10\%$ 

Difference in percentage =  $\left(\frac{12-10}{22} \times 100\right)\% = 9.09\%$ 

Hence difference in the percentage of boys and girls in EC is minimum.

#### 73. (C) From above solution:

Percentage of boys in EC = 9%

Percentage of girls in EC = 10%

Percentage of boys in CS = 8%

Percentage of girls in CS = 10%

Percentage of boys in IT = 9%

Percentage of girls in IT = 12%

Percentage of boys in ME = 12%

Percentage of girls in ME = 10%

Percentage of boys in CE =  $20\% \times \frac{3}{3+2} = 12\%$ 

Percentage of girls in CE = 20% - 12% = 8%

Total percentage of boys in college = 9% + 8% + 9% + 12% + 12% = 50%

Total percentage of girls in college = (100 - 50)% = 50%

Required ratio = 50% : 50% = 1 : 1



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#### 74. (C) From above solution:

Percentage of girls in college = 50%

Percentage of girls in ME = 10%

Required central angle = 
$$\left(\frac{10\%}{50\%} \times 360^{\circ}\right) = 72^{\circ}$$

(C) Percentage of students studying in CS = 18% 75.

Percentage of students studying in IT = 21%

Ratio of student studying CS and IT = 18%: 21% = 6: 7





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#### **MEANINGS IN ALPHABETICAL ORDER**

Altruist a person unselfishly concerned for or devoted परोपकारी

to the welfare of others

Autonomy the right or condition of self-government स्वयं शासन

Commemorate recall and show respect for someone or something पुण्यस्मरण करना

Drastic likely to have a strong or far-reaching effect कठोर

Fatigue extreme tiredness थकान

Harmonize add notes to a melody to produce harmony स्वर योजन करना

Hinder create difficulties for someone or something अड्चन करना

resulting in delay or obstruction

Indifference lack of interest, concern, or sympathy उदासीनता

Intervention the action of preventing or altering a result or हस्तक्षेप

course of events

Noticeable easily seen or noticed उल्लेखनीय

Optimum most conducive to a favorable outcome इष्टतम

Perspective a point of view दृष्टिकोण

Priest one who performs certain rites and administer पादरी

certain sacraments in church

Selflessness concern more with the needs and wishes of निस्वार्थता

others than with one's own

Sovereignty supreme power or authority संप्रभुता

Vocalist a singer गायक



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# SSC MOCK TEST - 359 (ANSWER KEY)

51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 70. 71. 72.	(B) (A) (C) (B) (D) (B) (A) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 99. 91. 92. 93. 94. 95. 96. 97.
74.	(C)	99.
75.	(C)	100

(C)

- 76. (A) Instead of 'What is needed is', it should be 'what is needed are', as the subject of the sentence is 'proper guidelines' which is plural and it will take 'are' instead of 'is'.
- 77. (B) Change 'accepts', into 'accept', it comes for 'those people', and hence should be followed by a plural verb.
- 78. (A) 'To steal somebody's thunder' means 'to do what someone else was going to do before they do it, especially if this takes success or praise away from them.'
- 90. (D) The correct spelling of 'Noticeble' is 'Noticeable', 'Perspective' is 'Perspective' and 'Indifferance' is 'Indifference'.
- 91. (D) The correct spelling is 'Accelarator' is 'Accelerator'.