

KD  
**Campus**  
**KD Campus**

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

**IBPS PO SPECIAL PHASE - I MOCK TEST - 269 (SOLUTION)**

**REASONING**

(1-5) :

Teachers	School	Rest Day
Xavier	St.Francis	Saturday
Lewis	DPS	Thursday
Rexon	St.Thomas	Friday
Quinton	GyanNiketan	Tuesday
David	BalNiketan	Sunday
Paes	St.Mary	Monday
Thomas	BalBhawan	Wednesday

1. (2)                      2. (2)                      3. (1)  
4. (2)                      5. (1)

(6-10) :

Time	Doctors
9:00	Thomas
9:55	Hillary
10:50	Gotham
11:45	Alex
12:40	Robin
2:00	Xavier
2:55	David

6. (2)                      7. (3)                      8. (2)  
9. (1)                      10. (2)

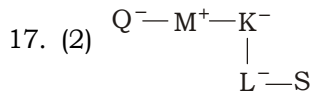
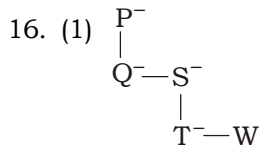
(11-15) :

11. (1)  $T \geq Q > N \geq S = P > K > R$   
I.  $T > R \rightarrow$  True  
II.  $K \leq N \rightarrow$  False  
If only conclusion I is true.
12. (4)  $Z < U \geq M$   
I.  $Z > M \rightarrow$  False  
 $D > U = L \leq G$   
II.  $D > G \rightarrow$  False  
If neither conclusion I nor II is true.
13. (4)  $I > P \geq L > T = N \geq S$   
I.  $J \geq N \rightarrow$  False  
II.  $S \leq P \rightarrow$  False  
If neither conclusion I nor II is true.
14. (1)  $A \geq B \leq C = D < L \geq E$   
I.  $L > B \rightarrow$  True  
II.  $A \geq D \rightarrow$  False  
If only conclusion I is true.
15. (2)  $L < M = N > H \geq I > J = K$   
I.  $J > L \rightarrow$  False  
II.  $K < N \rightarrow$  True  
If only conclusion II is true.

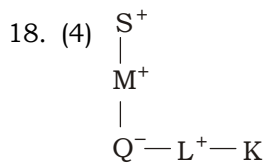
KD  
**Campus**  
**KD Campus**

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

**(16-20) :**

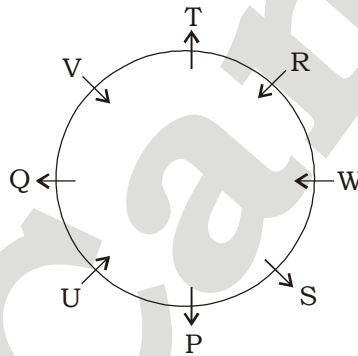


Sister of mother is aunt.



Here, gender of K is not known. Therefore, relation between K and S cannot be established.

**(19-23)**



19. (2)

20. (2)

21. (4)

22. (1)

23. (2)

**(24-28) :**

Company	Floor	Person
Titan	7	Shelly
Walmart	6	Alex
Puma	5	Richa
Nike	4	Veena
Reebok	3	David
Liberty	2	Nishant
Sonata	1	Saurav

24. (2)

25. (3)

26. (1)

27. (3)

28. (4)

**(29-33)**

29. (5)

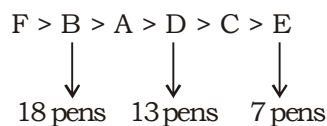
30. (4)

31. (2)

32. (1)

33. (4)

**(34-35) :**



34. (4)

35. (4)

**MATHS**

**(36-40) :**

36. (1)  $? \approx (41)^2 + (8)^2 - (22)^2$   
 $= 1681 + 64 - 484 = 1261 \approx 1280$

37. (3)  $\frac{600 \times 40}{100} - 250 \approx ? - \frac{900 \times 80}{100}$   
 $\Rightarrow 240 - 250 = ? - 720$   
 $\Rightarrow ? = 720 + 240 - 250 = 710 \approx 700$

38. (2)  $52000 \div 60 \times 30 = ? \times 40$   
 $\Rightarrow \frac{52000}{60} \times 30 \approx ? \times 40$   
 $\Rightarrow 26000 = ? \times 40$   
 $\therefore ? = \frac{26000}{40} = 650 \approx 600$

39. (3)  $? = \frac{701}{52} \times \frac{699}{11} \times \frac{112}{107}$   
 $\approx \frac{700}{50} \times \frac{700}{11} \times \frac{110}{100} = 980 \approx 900$

40. (4)  $? = \frac{\sqrt{6378} \times \sqrt{3330}}{\sqrt{360}}$   
 $\approx \frac{80 \times 58}{19} = 244.21 \approx 250$

**(41-45) :**

41. (3) Percentage of student who success out of the students joined in

$$2010 = \left( \frac{5700 \times 18}{8550 \times 22} \times 100 \right) \% = 54.54\%$$

$$2011 = \left( \frac{5700 \times 17}{8550 \times 15} \times 100 \right) \% = 75.55\%$$

$$2015 = \left( \frac{5700 \times 15}{8550 \times 12} \times 100 \right) \% = 83.33\%$$

$$2016 = \left( \frac{5700 \times 12}{8550 \times 16} \times 100 \right) \% = 50\%$$

$\therefore$  Required answer is 2015.

42. (1) Required  $\% = \left( \frac{5700 \times 9}{8550 \times 8} \times 100 \right) \% = 75\%$

43. (4) No. of students successful in the year 2016 =  $5700 \times \frac{13}{100} = 741$

No. of students joined in year 2012

$$= 8550 \times \frac{10}{100} = 855$$

$\therefore$  Required ratio =  $741 : 855 = 247 : 285$

44. (1) Total no. of students successful in the year 2011 and 2012 together

$$= \frac{5700}{100} \times (17+13) = \frac{5700}{100} \times 30 = 1710$$

Total no. of students joined in the year 2011 and 2012 together

$$= \frac{8550}{100} \times (15 + 10)$$

$$= \frac{8550}{100} \times 25 = 2137.5$$

$$\therefore \text{Required \%} = \left( \frac{1710}{2137.5} \times 100 \right) \% = 80\%$$

45. (2) Total no. of students successful in the year 2010 and 2013 together

$$= \frac{5700}{100} \times (18+16) = \frac{5700}{100} \times 34 = 1938$$

Total no. of students joined in the year 2012 and 2014 together

$$= \frac{8550}{100} \times (10+8) = \frac{8550}{100} \times 18 = 1539$$

$$\therefore \text{Required difference} = 1938 - 1539 = 399$$

46. (3) The pattern is :

$$576 - 224 = 352$$

$$752 - 576 = 176$$

$$840 - 752 = 88$$

$$884 - 840 = 44$$

$$\therefore ? = 884 + 22 = \mathbf{906}$$

47. (4) The pattern is :

$$55 + 11.15 = 66.15$$

$$66.15 + 2 \times 11.15 = 88.45$$

$$88.45 + 3 \times 11.15 = 121.9$$

$$121.9 + 4 \times 11.15 = 166.5$$

$$166.5 + 5 \times 11.15$$

$$= 166.5 + 55.75 = \mathbf{222.25}$$

48. (5) The pattern is :

$$36 + 13 = 49$$

$$49 + 2 \times 13 = 75$$

$$75 + 13 = 88$$

$$88 + 2 \times 13 = 114$$

$$114 + 13 = \mathbf{127}$$

49. (2) The pattern is :

$$3 + 4 \times (2)^0 = 7$$

$$7 + 11 = 18$$

$$18 + 4 \times (2)^1 = 26$$

$$26 + 11 = \mathbf{37}$$

$$37 + 4 \times (2)^2 = 53$$

$$53 + 11 = 64$$

$$64 + 4 \times (2)^3 = 96$$

50. (3) The pattern is :

$$1.7 + 1.5 = 3.2$$

$$3.2 - 0.5 = 2.7$$

$$2.7 + 1.5 = 4.2$$

$$4.2 - 0.5 = 3.7$$

$$3.7 + 1.5 = \mathbf{5.2}$$

$$5.2 - 0.5 = 4.7$$

$$4.7 + 1.5 = 6z.2$$

51. (5) Required ratio =  $4v_1d_1 = 7v_2d_2 = \frac{7v_1d_1}{d_2} : 7v_2$

where  $d$  is the density and  $v$  is the volume of liquids.

Given,  $117d_1 = 151d_2$

$$\therefore \frac{d_1}{d_2} = \frac{151}{117}$$

Now, with  $7v_2$  of second liquid,  $4v_1$  of first liquid is used in place of  $4v_1 \times \frac{151}{117}$

$$\therefore \% \text{ error} = \left( \frac{34}{117} \times \frac{117}{151} \times 100 \right) \% \\ = 22.50\% \approx 22\%$$

52. (3) Let salary = ₹ 100

Expenses on education = ₹ 40

Expenses in purchasing books of ₹40

$$= 40 \times \frac{60}{100} = ₹24$$

Remaining =  $40 - 24 = ₹16$

Expenses in purchasing stationary items =  $16 \times \frac{1}{2} = ₹ 8$

A/Q,

$$8 \times \frac{1}{4} \rightarrow 160$$

$$\therefore 100 \rightarrow \frac{160}{2} \times 100 = ₹ 8000$$

53. (3) Let the cost price of Sunil be  $x$ . Then the cost price of Anil will be  $1.2x$  and the cost price of Ramesh will be  $1.2x \times 1.10 = 1.32x$

Then the cost price of Suresh =  $x \times 1.2 \times 1.10 + 116 = ₹132x + 116$

Now,  $1.32x + 116 - x = 500$

or,  $0.32x = 500 - 116 = 384$

$$\therefore x = \frac{384}{0.32} \times 100 = ₹1200$$

$$\therefore \text{Anil's cost price} = 1200 \times 1.2 = ₹ 1440$$

Hence Anil paid to Sunil ₹1440.

54. (2) Ratio of men to women  $(15 \times 10)M$

$$= (25 \times 8)W$$

or,  $150M = 200W$

$$\text{or, } 3M = 4W \quad \therefore W = \frac{3}{4}M$$

$$\therefore 1 \text{ man's work} = \frac{1}{150}$$

$$\therefore (10W + 3M) = \frac{21}{2}M \text{ can do the work in } \frac{1}{150} \times \frac{21}{2} = \frac{7}{100} \text{ days}$$

$$\frac{65}{100} \text{ work done by 10 women in } x \text{ days.}$$

$$\therefore 8 \text{ women complete a piece of work in } 25 \text{ days}$$

$$\therefore 10 \text{ women complete the } \frac{65}{100} \text{ work in } 25 \times \frac{8}{10} \times \frac{65}{100} = 13 \text{ days}$$

55. (4) Speed of the first train = 54 kmph

$$= 54 \times \frac{5}{18} = 15 \text{ m/s}$$

$$\therefore \text{Time} = \frac{\text{Sum of lengths of both trains}}{\text{Sum of speed of both trains}}$$

$$\text{Then, } 12 = \frac{195 + 225}{(15 + x)}$$

$$\text{or, } 180 + 12x = 420$$

$$\text{or, } 12x = 420 - 180 = 240$$

$$\therefore x = 20 \text{ m/s} = \left(20 \times \frac{18}{5}\right) \text{ km/hr} = 72 \text{ kmph}$$

**(56-60):**

56. (3) No. of candidates appeared in interview for Others =  $86700 \times \frac{12}{100} = 10404$

No. of candidates selected in PO

$$= 25200 \times \frac{14}{100} = 3528$$

$\therefore$  Required ratio

$$= 10404 : 3528 = 289 : 98$$

57. (1) Total no. of candidates appeared in interview for IT Officer and Others

$$\text{PO} = \frac{86700}{100} \times (14 + 12) = \frac{86700}{100} \times 26$$

$$= 22542$$

$$\text{No. of candidates appeared in Interview for Clerk} = 25200 \times \frac{25}{100} = 6300$$

$$\therefore \text{Required \%} = \left(\frac{22542}{6300} \times 100\right) \%$$

$$= 357.80\% \approx 358\%$$

58. (2) The difference between no. of candidates appeared and selected in interview for

**P O**

$$= 86700 \times \frac{18}{100} - 25200 \times \frac{14}{100} = 12078$$

$$\text{Clerk} = 86700 \times \frac{25}{100} - 25200 \times \frac{25}{100}$$

$$= 15375$$

$$\text{Manager} = 86700 \times \frac{16}{100} - 25200 \times \frac{20}{100}$$

$$= 8832$$

$$\text{IT Officer} = 86700 \times \frac{14}{100} - 25200 \times \frac{16}{100}$$

$$= 8106$$

$\therefore$  Required answer is Clerk.

59. (4) Required difference =  $25200 \times \left(\frac{14 - 10}{100}\right)$

$$= 25200 \times \frac{4}{100} = 1008$$

60. (5) Total no. of candidates selected in Manager and Clerk together

$$= 25200 \times \left( \frac{20+25}{100} \right)$$

$$= 25200 \times \frac{45}{100} = 11340$$

$$\text{Total no. of candidates appeared in these interview} = 86700 \times \left( \frac{16+25}{100} \right)$$

$$= 86700 \times \frac{41}{100} = 35547$$

$$\therefore \text{ Required \%} = \left( \frac{11340}{35547} \times 100 \right) \%$$

$$= 31.90\% \approx 32\%$$

61. (1) 4 men can be selected out of 8 men in  ${}^8C_4$  ways and 3 women can be selected out of 5 women in  ${}^5C_3$  ways.

Hence required no. of ways

$$= {}^8C_4 \times {}^5C_3 = 70 \times 10 = 700$$

62. (3) Initially, the quantity of milk in the mixture =  $\left( \frac{456}{7+5} \times 7 \right) = 266$  litres

$$\text{And the quantity of water} = \frac{456}{12} \times 5$$

$$= 190 \text{ litres}$$

Now, let the quantity of extra milk to be added be  $x$  litres

$$\text{Then, } \frac{266+x}{190} = \frac{9}{5}$$

$$\text{or, } 5x = 190 \times 9 - 266 \times 5$$

$$= 1710 - 1330 = 380$$

$$\therefore x = \frac{380}{5} = 76 \text{ litres}$$

63. (4) Total failed candidates

$$= 25x + 40x - 19x = 46x$$

$$\text{Passed in both subjects} = 100x - 46x = 54$$

$$\text{Total no. of appeared candidates} = 100x$$

$$\therefore 54x = 972$$

$$\therefore 100x = \frac{972}{54x} \times 100x = 1800$$

64. (2)  $r = 39\text{cm}$ ,  $h = 80 \text{ cm}$

$$\therefore l = \sqrt{r^2 + h^2} = \sqrt{39^2 + 80^2} = 89 \text{ cm}$$

$$\text{Area of the sheet} = \text{total surface area of the cone} = \pi r l + \pi r^2 = \pi r(l + r)$$

$$= \frac{22}{7} \times 39(89 + 80)$$

$$= 20714.57 \text{ cm}^2$$

65. (3) Let the present age of boy's father be  $x$  years.

$$\text{Then, boy's age} = \frac{2x}{7} \text{ years}$$

$$\text{boy's brother's age} = \frac{2x}{7} + 3 = \frac{2x+21}{7}$$

Now ratio between the present age of boy's father and the of boy's brother

$$= \frac{x}{2x+21} = \frac{14}{5}$$

$$\text{or, } \frac{x}{2x+21} = \frac{2}{5}$$

$$\text{or, } x = 42 \text{ years}$$

$$\therefore \text{ boy's present age} = 42 \times \frac{2}{7} = 12 \text{ years}$$

$$66. (2) \text{ I. } x^2 - 11x + 24 = 0$$

$$\Rightarrow x^2 - 8x - 3x + 24 = 0$$

$$\Rightarrow x(x-8) - 3(x-8) = 0$$

$$\Rightarrow (x-3)(x-8) = 0$$

$$\therefore x = 3 \text{ or } 8$$

$$\text{II. } 2y^2 - 9y + 9 = 0$$

$$\Rightarrow 2y^2 - 3y - 6y + 9 = 0$$

$$\Rightarrow y(2y-3) - 3(2y-3) = 0$$

$$\Rightarrow (2y-3)(y-3) = 0$$

$$\therefore y = \frac{3}{2} \text{ or } 3$$

Clearly,  $x \geq y$

$$67. (3) \text{ I. } x^3 \times 13 = x^2 \times 247$$

$$\Rightarrow \frac{x^3}{x^2} = \frac{247}{13} \Rightarrow x = 19$$

$$\text{II. } y^{\frac{1}{3}} \times 14 = \frac{294}{y^{\frac{2}{3}}}$$

$$\Rightarrow y^{\frac{1}{3}} \times y^{\frac{2}{3}} = \frac{294}{14}$$

$$\Rightarrow y^{\frac{1+2}{3}} = 21 \Rightarrow y = 21$$

Clearly,  $x < y$

$$68. (4) \text{ I. } \frac{48}{x^{\frac{4}{7}}} - \frac{12}{x^{\frac{4}{7}}} = x^{\frac{10}{7}}$$

$$\Rightarrow \frac{48-12}{x^{\frac{4}{7}}} = x^{\frac{10}{7}} \Rightarrow 36 = x^{\frac{10+4}{7}}$$

$$\Rightarrow 36 = x^2 \Rightarrow x = \pm 6$$

$$\text{II. } y^3 = 999 - 783 = 216$$

$$\therefore y = \sqrt[3]{216} = 6$$

Clearly,  $x \leq y$

$$69. (3) \text{ I. } \sqrt{500} x = -\sqrt{402}$$

$$\Rightarrow x = \frac{\sqrt{402}}{\sqrt{500}} \approx -\sqrt{\frac{400}{500}} \approx -0.9$$

$$\text{II. } \sqrt{360} y = -\sqrt{200}$$

$$y = -\sqrt{\frac{200}{360}} \approx -0.74$$

Clearly  $x < y$



70. (3) I.  $x = 17^2 + 144 \times \frac{1}{18}$

$\Rightarrow x = 289 + 8 = 297$

II.  $y = 26^2 - 18 \times 21$

$\Rightarrow y = 676 - 378 = 298$

Clearly,  $x < y$

**English**

81. (4) Change 'fire' into 'firing'.  
82. (4) Replace 'by' by 'from'.  
83. (5) No error.  
84. (2) Change 'endanger' into 'endangered'.  
85. (2) Change 'body' into 'bodies'.  
86. (3) Replace 'that' by 'whether or if'.  
87. (4) Change 'do' into 'doing'.  
88. (4) Change 'have' into 'has'.  
89. (3) Change 'their' into 'its'.  
90. (5) No error.

## VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Companion	fellow	संगी-साथी
Entice	attract or tempt by offering pleasure	आकर्षित करना
Coax	persuade (someone) gradually or by flattery to do something	मनाना, फुसलाना
Denial	a statement that says something is not true or does not exist	अस्वीकार करना
Escalation	a rapid increase; a rise	वृद्धि
Exemptions	the process of freeing	छूट
Taxonomic	arranging them into the groups	वर्गीकृत करना
Stagger	an unsteady walk or movement	लडखड़ाकर चलना
Proliferation	rapid increase in numbers	शीघ्रता से बढ़ना
Fade	the process of becoming less bright	फीका पड़ना
Tame	to control	नियंत्रित करना
Plague	cause continual trouble or distress to	महामारी
Induce	to persuade or influence somebody to do something	प्रेरित करना

KD  
**Campus**  
**KD Campus**

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

**IBPS PO SPECIAL PHASE -I MOCK TEST - 269 (ANSWER KEY)**

- |         |         |         |          |
|---------|---------|---------|----------|
| 1. (2)  | 26. (1) | 51. (5) | 76. (2)  |
| 2. (2)  | 27. (3) | 52. (3) | 77. (1)  |
| 3. (1)  | 28. (4) | 53. (3) | 78. (3)  |
| 4. (2)  | 29. (4) | 54. (2) | 79. (1)  |
| 5. (1)  | 30. (3) | 55. (4) | 80. (2)  |
| 6. (2)  | 31. (5) | 56. (3) | 81. (4)  |
| 7. (3)  | 32. (2) | 57. (1) | 82. (4)  |
| 8. (2)  | 33. (3) | 58. (2) | 83. (5)  |
| 9. (1)  | 34. (4) | 59. (4) | 84. (2)  |
| 10. (2) | 35. (4) | 60. (5) | 85. (2)  |
| 11. (1) | 36. (1) | 61. (1) | 86. (3)  |
| 12. (4) | 37. (3) | 62. (3) | 87. (4)  |
| 13. (4) | 38. (2) | 63. (4) | 88. (4)  |
| 14. (1) | 39. (3) | 64. (2) | 89. (3)  |
| 15. (2) | 40. (4) | 65. (3) | 90. (5)  |
| 16. (1) | 41. (1) | 66. (2) | 91. (3)  |
| 17. (2) | 42. (1) | 67. (3) | 92. (4)  |
| 18. (4) | 43. (4) | 68. (4) | 93. (1)  |
| 19. (2) | 44. (1) | 69. (3) | 94. (2)  |
| 20. (2) | 45. (2) | 70. (3) | 95. (4)  |
| 21. (4) | 46. (2) | 71. (1) | 96. (1)  |
| 22. (1) | 47. (4) | 72. (2) | 97. (4)  |
| 23. (2) | 48. (5) | 73. (3) | 98. (3)  |
| 24. (2) | 49. (2) | 74. (2) | 99. (3)  |
| 25. (3) | 50. (3) | 75. (5) | 100. (3) |