

BANK PO PHASE-I MOCK TEST-7 (SOLUTION)

ENGLISH LANGUAGE

- 41. (5) It is not false to say that intellect is capable of adjustments.
- 42. (2) The passage clearly favours the nature of intellect.
- 43. (4) The right approach for argumentation should be to open the doors of the intellect.
- 44. (5) According to the passage "The intellect that see only a small corner of life makes a very poor guide. We follow it like the blind led by the blind", which can lead to harmful and unwanted results.
- 45. (3)
- 46. (2) 'Geotropic' is the property of getting attracted towards Earth.
- 47. (5) 'Inevitable' means 'that can't be avoided' so, its antonym will be 'avoidable'.
- 48. (5) 'Myopia' is 'short-sightedness'. Hence, its antonym will be 'far-sightedness' which is 'hypermetropia'.
- 49. (2) The difference between narrow and broad vision is that narrow vision leads to debate, while broad vision easily settles them.
- 50. (2) As per the context of the passage it is not true that weapons are needed for security reasons.

(51-55):

- 51. (2)
- 52. (1)
- 53. (3)
- 54. (5)
- 55. (4)

(56-60):

- 56. (2)
- 57. (5)
- 58. (3)
- 59. (3)
- 60. (1)

61-65):

- 61. (2)
- 62. (4)
- 63. (5)
- 64. (3)
- 65. (1)

(66-70):

- 66. (3) Part (3) has error. In this sentence instead of saying 'he was strongly supported', it should be written as **'he strongly supported the use of alternate sources of energy'**.
- 67. (2) Remove 'is' and use **'was'** when we are referring to past time—a few years ago.
- 68. (1) Part (1) has error of not inserting any verb. After country **'are'** should be written.

- 69. (1) Part (1) has error. It should be **'world's corals have been lost'**.
- 70. (2) Part (2) has error of part of speech. Instead of participated, it should read **'female participation'**.

(71-80):

- 71. (2)
- 72. (4)
- 73. (1)
- 74. (3)
- 75. (3)
- 76. (1)
- 77. (4)
- 78. (4)
- 79. (4)
- 80. (2)

MATHS

(81-85):

- 81. (3)
- 82. (1)
- 83. (5)
- 84. (4)
- 85. (2)

(86-90):

86. (2)

1548 516 129 43 10.75
 $\times \frac{1}{3}$ $\times \frac{1}{4}$ $\times \frac{1}{3}$ $\times \frac{1}{4}$

87. (4)

949 189.8 56.94 22.776 11.388 6.8328
 $\times 0.2$ $\times 0.3$ $\times 0.4$ $\times 0.5$ $\times 0.6$

88. (1)

121 144 190 259 351 466
 $+23$ $+46$ $+69$ $+92$ $+115$

89. (5)

14 43.5 264 3174 76188
 $\times 3+1.5$ $\times 6+3$ $\times 12+6$ $\times 24+12$

90. (3)

41 164 2624 94464 6045696
 $\times (2)^2$ $\times (4)^2$ $\times (6)^2$ $\times (8)^2$

91. (5) Let the time taken by walking one way be x h and that by riding one way be y h.

$\therefore x + y = 6 \frac{35}{60} = \frac{395}{60} h$ and $2y = 4 \frac{35}{60} = \frac{275}{60} h$

$\therefore y = \frac{275}{60 \times 2} = \frac{55}{24} h$

$\therefore x = \frac{395}{60} - \frac{55}{24} = \frac{790 - 275}{120} h$

$2x = \frac{515 \times 2}{120} = \frac{515}{60} = 8h 35min.$

92. (1)

93. (1) Let speed in the return journey = x

$$\therefore \text{Speed in onward journey} = \frac{125}{100}x = \left(\frac{5}{4}x\right) \text{ km}$$

$$\text{Average speed} = \left(\frac{2 \times \frac{5}{4}x \times x}{\frac{5}{4}x + x}\right) \text{ km/h} = \frac{10x}{9} \text{ km/h}$$

$$\therefore 1600 \times \frac{9}{10x} = 32 \Rightarrow x = \frac{1600 \times 9}{32 \times 10} = 45$$

$$\therefore \text{Speed in onward journey} = \frac{5}{4}x$$

$$= \left(\frac{5}{4} \times 45\right) \text{ km/h}$$

$$= 56.25 \text{ km/h.}$$

94. (3) Suppose, the container initially contains $7x$ and $5x$ L of mixtures A and B, respectively.

Quantity of A in mixture left

$$= \left(7x - \frac{7}{12} \times 9\right) = \left(7x - \frac{21}{4}\right) \text{ L}$$

Quantity of B in mixture left

$$= \left(5x - \frac{5}{12} \times 9\right) \text{ L}$$

$$\therefore \frac{7x - \frac{21}{4}}{\left(5x - \frac{5}{12} \times 9\right)} = \frac{7}{9}$$

$$\Rightarrow \frac{28x - 21}{20x + 21} = \frac{7}{9}$$

$$\Rightarrow 252x - 189 = 140x + 147$$

$$\Rightarrow 112x = 336$$

$$\Rightarrow x = 3$$

\therefore Container contained

$$7 \times 3 = 21 \text{ L of liquid A initially.}$$

95. (4)

96. (4) Number of failure boys

$$= 40\% \text{ of } 640 = \frac{40 \times 640}{100} = 256$$

and number of failure girls

$$= 20\% \text{ of } 360 = \frac{20 \times 360}{100} = 72$$

Total number of failure students

$$= 256 + 72 = 328$$

and total number of students

$$= 640 + 360 = 1000$$

\therefore Percentage of failures

$$= \frac{328}{1000} \times 100 = 32.8\%$$

97. (3) A speaks truth in 75% cases. i.e. $P(A) = \frac{3}{4}$

$$\text{and } P(\bar{A}) = \frac{1}{4}$$

B speaks truth in 80% cases. i.e. $P(B) = \frac{4}{5}$

$$\text{and } P(\bar{B}) = \frac{1}{5}$$

Percentage of the cases when they are likely to contradict each other, narrating the same incident

$$= P(A)P(\bar{B}) + P(\bar{A})P(B)$$

$$= \frac{3}{4} \times \frac{1}{5} + \frac{1}{4} \times \frac{4}{5} = \frac{7}{20} \times 100 = 35\%$$

98. (2) He can select three girls in 5C_3 ways = 10 ways

He can select boys in

$$[{}^4C_0 + {}^4C_1 + {}^4C_2 + {}^4C_3 + {}^4C_4]$$

ways = 16 ways

$$\text{Total number of ways} = 10 \times 16 = 160$$

(99-103):

99. (1) Total number of people contributing

$$= 4000 + 5500 + 5000 + 3500 + 4500 + 2500 = 25000$$

$$\text{Now, } 18\% \text{ of } 25000 = 4500$$

Therefore, number of cities = 3

100. (5) $P : R = 4000 : 5000 = 4 : 5$

101. (2) Let x more people from city S are required to make the ratio 11:9.

$$\text{Therefore, } \frac{3500 + x}{4500} = \frac{11}{9}$$

$$\Rightarrow 31500 + 9x = 29500$$

$$\Rightarrow 9x = 49500 - 31500$$

$$\Rightarrow 9x = 18000$$

$$\Rightarrow x = 200$$

102. (3) Required % = $\frac{(5500 + 2500) \times 100}{25000} = 32\%$

103. (4) Required % = $\frac{(4500 - 3500) \times 100}{3500} = 29\%$

104. (4) $n(E) = (1,4) (4,1) (2,3) (3,2)$

$$n(S) = 36$$

$$P(E) = \frac{n(E)}{n(S)} = \frac{4}{36} = \frac{1}{9}$$

105. (2) Suppose the wage of a man = ₹ x \Rightarrow wage of a woman = ₹ $(x - 5)$

Now,

$$\frac{600 \times x + 400(x - 5)}{600 + 400} = 25.5$$

 $\Rightarrow x = 27.5$ and $x = 22.5$ **(106-110):**106. (5) I. $4x^2 + 17x + 15 = 0$ $\Rightarrow x = -\frac{5}{4}$ or, $x = -3$ II. $3y^2 + 19y + 28 = 0$ $\Rightarrow y = -\frac{7}{3}$ or, $y = -4$ Hence, relationship between x and y can't be established.107. (5) I. $3x^2 - 17x + 22 = 0$ $\Rightarrow x = \frac{11}{3}$ or, $x = 2$ II. $5y^2 - 21y + 22 = 0$ $\Rightarrow y = \frac{11}{5}$ or, $y = 2$ Hence, relationship between x and y can't be established.108. (3) I. $3x^2 + 11x + 10 = 0$ $\Rightarrow x = -\frac{5}{3}$ or, $x = 2$ II. $2y^2 + 13y + 21 = 0$ $\Rightarrow y = -\frac{7}{2}$ or, $y = -3$ Hence, $x > y$ 109. (4) I. $3x^2 + 13x + 14 = 0$ $\Rightarrow x = -\frac{7}{3}$ or, $x = -2$ II. $8y^2 + 26y + 21 = 0$ $\Rightarrow y = -\frac{7}{4}$ or, $y = -\frac{3}{2}$ Hence, $y > x \Rightarrow x < y$ 110. (1) $3x^2 - 14x + 15 = 0$ $\Rightarrow x = \frac{5}{3}$ or, $x = 3$ II. $15y^2 - 34y + 15 = 0$ $\Rightarrow y = \frac{3}{5}$ or, $y = \frac{5}{3}$ Hence, $x \geq y$

111. (1)

112. (5) Length of rectangle = 25 cm

 \therefore Breadth = $\frac{1}{5} \times$ Length - 1

$$= \frac{25}{5} - 1 = 5 - 1 = 4 \text{ cm}$$

Given, area of the square = 4 \times Area of a rectangle

$$(\text{Side})^2 = 4 \times (25 \times 4)$$

 \Rightarrow Side = $\sqrt{400} = 20$ cmHence, perimeter of the square
= 4 \times Side = 4 \times 20 = 80 cm

113. (1)

114. (1) A : B = 2 : 3 = $\frac{2}{3} : 1$ \therefore B : C = 4 : 3 = 1 : $\frac{3}{4}$ and C : D = 1 : $\frac{3}{2} = \frac{3}{4} : \frac{9}{8}$ \therefore A : B : C : D = $\frac{2}{3} : 1 : \frac{3}{4} : \frac{9}{8}$

$$= 16 : 24 : 18 : 27$$

 \therefore Total amount = ₹ 3400 \therefore B's share = $\frac{24 \times 3400}{16 + 24 + 18 + 27}$

$$= 960$$

and D's share = $\frac{27 \times 3400}{85} = ₹ 1080$ \therefore Sum of share B and D

$$= 960 + 1080 = ₹ 2040$$

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(115-119):

115. (5) Income of company C in the year 2013 = ₹ 300000 and expenditure = ₹ 200000
∴ Percentage profit got by the company

$$= \frac{\text{Profit}}{\text{Income}} \times 100\%$$

$$= \frac{100000}{300000} \times 100\% = 33\frac{1}{3}\%$$

116. (1) Total income of all the three companies in the year 2009 = ₹ (260 + 340 + 480) thousand = ₹ 1080 thousand and in the year 2012 = ₹ (160 + 310 + 440) thousand = ₹ 910 thousand.

∴ Required ratio = 1080 : 910 = 108 : 91

117. (2) Total income of company B in all the given years together = ₹ (340 + 490 + 540 + 310 + 450) thousand = ₹ 2130 thousand

∴ Average income of company B

$$= ₹ \frac{2130 \text{ thousand}}{5} = ₹ 426 \text{ thousand}$$

118. (5) in the year 2014,
income of company A = 105% of 560 = ₹ 588 thousand
income of company B = 106% of 450 = ₹ 477 thousand
income of company C = 107% of 300 = ₹ 321 thousand
Thus, total income of all the three companies in the year 2014 = ₹ (588 + 477 + 321) thousand = ₹ 1386 thousand

119. (1) It is clear from the given graph that no such year exist in which income of all the three companies increase as compared to the previous years.

120. (5) Let the expenditure and saving of the person be $3x$ and $2x$, respectively.

Then, income of the person

$$= 3x + 2x = 5x$$

Now, new income = 110% of $5x = 5.5x$

new savings = 105% of $2x = 2.1x$

then, new expenditure

$$= \text{new income} - \text{new saving}$$

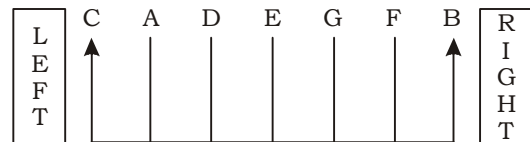
$$= 5.5x - 2.1x = 3.4x$$

∴ Percentage increase in expenditure

$$= \frac{3.4x - 3x}{3x} \times 100 = 13\frac{1}{3}\%$$

REASONING

Solutions (121-126): The sitting arrangement is as follows.



121. (5)

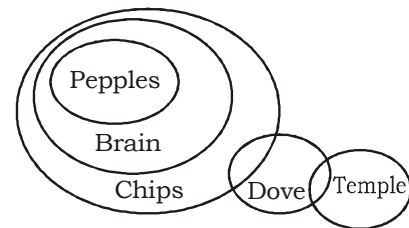
122. (3)

123. (4)

124. (1)

125. (2)

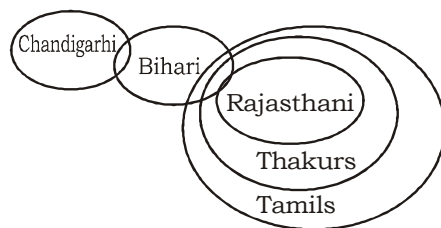
126. (4)



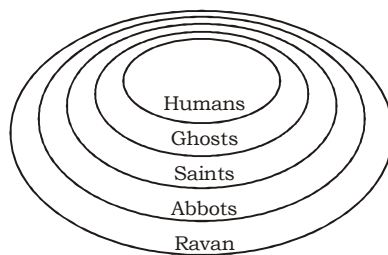
127. (1)



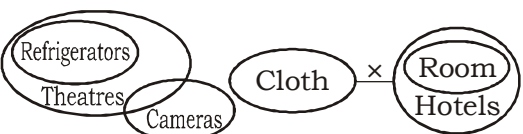
128. (2)



129. (3)



130. (3)





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Solutions (131-134): According to the given information.

Friend	Sex	City	Profession
P	Male	Kolkata	Artist
Q	Female	Chennai	Dancer
R	Male	Kolkata	Teacher
S	Male	Kolkata	Student
T	Male	Mumbai	Engineer
W	Female	Mumbai	Chemist
X	Female	Chennai	Doctor

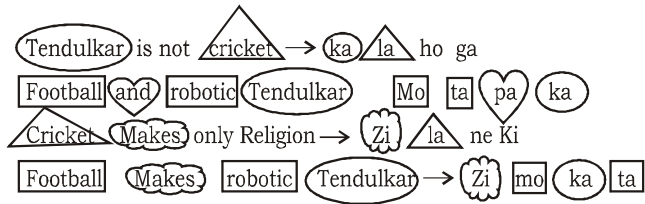
131. (2) 132. (3)
 133. (1) 134. (5)

Solutions (135-139) According to the given information.

$P@Q \Rightarrow P \geq Q$
 $P\#Q \Rightarrow P \leq Q$
 $P\$Q \Rightarrow P < Q$
 $P\odot Q \Rightarrow P > Q$

135. (4) 136. (4)
 137. (5) 138. (4)
 139. (1)

Solutions (140-144) On the basis of given information



140. (5) 141. (5)
 142. (1) 143. (2)
 144. (4)
 145. (1)

Sum of Digits							
INPUT	16	13	17	25	23	14	9
STEP 1	9	13	17	25	23	14	16
STEP 2	9	13	14	25	23	17	16
STEP 3	9	13	14	16	23	17	25
STEP 4	9	13	14	16	17	23	25

146. (2)

Sum of Digits							
INPUT	13	14	10	22	11	6	20
STEP 1	6	14	10	22	11	13	20
STEP 2	6	10	14	22	11	13	20
STEP 3	6	10	11	22	14	13	20
STEP 4	6	10	11	13	14	22	20
STEP 5	6	10	11	13	14	20	22

147. (4) We can not determine that first step from the third step as there is no certain rule for going back to input or any previous steps.

148. (3)

Sum of Digits							
INPUT	14	18	16	12	13	15	10
STEP 1	10	18	16	12	13	15	14
STEP 2	10	12	16	18	13	15	14
STEP 3	10	12	13	18	16	15	14

It is clear from the table that choice (c) is correct.

149. (3) PRO **J**ECT → CEOPRT

PL **A** NE → ELNP

W **I** N → NW

In every word, the middle element is dropped and rest of the alphabets are arranged in alphabetical order.

ORGA **N** ISED → ADEGIORS

150. (5) Following the same pattern, DISTANCE cannot be related as it contains even number of alphabets while others contain odd number of alphabets. Therefore, there is no middle letter in the given word DISTANCE.

151. (1) 152. (5)
 153. (1) 154. (4)

155. (5)

156. (4)	9	5	@	8	3	#
	↓	↓	↓	↓	↓	↓
	X	A	N	B	U	X

157. (1)	4	©	%	6	\$	5
	↓	↓	↓	↓	↓	↓
	T	V	I	W	Q	A

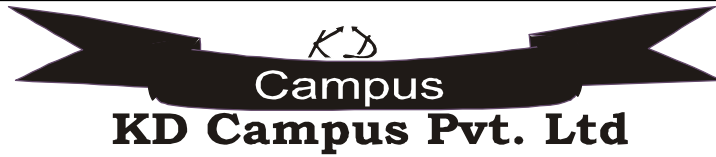
158. (2)	7	★	#	@	9	6
	↓	↓	↓	↓	↓	↓
	W	D	Z	N	M	S

159. (3)	5	6	8	©	1	\$
	↓	↓	↓	↓	↓	↓
	X	W	B	V	K	X

160. (5)	%	9	4	★	2	4
	↓	↓	↓	↓	↓	↓
	I	M	T	D	E	I

Vocabularies

Word	Meaning in English	Meaning in Hindi
Conceptualise	To form an idea of something in your mind	संकल्पना, विचार बनाना
Confine (something)	To keep something in a closed area	सीमित करना, कैद रखना
Consciousness	The ideas and opinions of a person or group	ज्ञान, समझ
Conviction	A strong opinion or belief	दृढ़ विश्वास
Credo	A set of beliefs	सिद्धांत, विश्वास
Dispense	To give out something to people	प्रदान करना, बांटना
Distinct	Clearly different or of a different kind	विशिष्ट
Drawback	A disadvantage or problem that makes something a less attractive idea	कमी, दोष
Fervent	Having or showing very strong and sincere feelings about something	उत्साही, उत्सुक
Follies	A lack of good judgement; the fact of doing something stupid	मुखर्ता, नादानी
Geotropic	Attracted towards Earth	पृथ्वी की तरफ आकर्षित
Inevitable	That you cannot avoid or prevent	अवश्यभावी, निश्चित
Manifest	To appear or become noticeable	स्पष्ट करना, प्रकाशित करना
Sinister	Seeming evil or dangerous	अशुभ, डरावना
Welfare	Practical or financial help	कल्याणकारी सहायता



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SBI PO PHASE -I MOCK TEST - 7 (ANSWER KEY)

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

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

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003