

# SBI PO (PRELIMS) - PRACTICE SET

## Answers with Explanation

### English Language

1. (d) **Contrition** means the state of feeling remorseful and penitent.  
**Penitence** means the action of feeling or showing sorrow and regret for having done wrong.

2. (c) **ACHIEVERS In Focus**

3. (e)

4. (a) **Perpetrators** means a person who carries out a harmful, illegal, or immoral act.

5. (c) **Nadir** means the lowest or most unsuccessful point in a situation.

6. (d) Atonement means the action of making amends for a wrong or injury.

Example : He said that young hooligans should do community service as atonement for their crimes.

7. (a) **Repatriation** means the return of someone to their own country.

**Repatriation** fits most appropriately to describe the act of returning to Bangladesh.

8. (a)

9. (c) Let us look at each every sentence separately.

Sentence (III) : Opponents say thirty-meters telescope violates the sovereignty and sacred ground. The given sentence is grammatically incorrect, "Opponents say thirty-meter" should be there in place of "Opponents say thirty-meters".

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Sentence (II): To be a good mentor, therefore, one must not ignore his own professional disposition. The given sentence is grammatically incorrect, "not ignore one's" should be there place of "not ignore his."

10. (b) Let us look at each and every sentence separately.

Sentence (II): A chairwoman of the department encouraged and supported excellence in teaching. The given sentence is grammatically incorrect, "The chairwoman of" should be there in place of "A chairwoman of"

Sentence (III): She served as an chairwoman of the university's advisory board and of its capital campaign committee. The given sentence is grammatically incorrect, "a chairwoman of" should be there in place of "an chairwoman of".

11. (d) Sentence E is talking about the ultimate establishment of the shelters in Odisha and West Bengal which includes schools and public buildings as well.

The next sentence which should follow the sentence 'E' should be related to the evacuees or the establishment of the shelters for them.

From the given options both the first and third options can immediately follow sentence E.

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The first option is given information about the total evacuation of people from coastal India.

The third option is giving general information about who and how many of them supervised the whole evacuation process.

The second option is giving information about the effect of rainfall in some regions which is not related to any of the sentences given.

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12. (a) Sentence B is giving information about the capacity of the shelters with taking care of guidelines due to the pandemic.

The next sentence which should follow the sentence 'B' should be related to the capacity of the shelters or anything related to pandemics

From the given options only the first option can immediately follow sentence B.

The first option is talking about the reduction in the capacity of shelters due to social distancing restrictions or pandemics.

The second option is talking about some training and visit programs to train farmers.

The third option is talking about some restoration efforts been disrupted by protests.

13. (a) The correct sequence of the segments after rearrangement is ACBDE.

The sentence 'A' is independent of any other sentence as it is giving general information about the establishment of shelter homes as per the orders given by the Government of Odisha. Hence, 'A' is the first part.

Sentence C will come after A as it further gives information about the number of shelters that can be accommodated in the cyclone-affected area

Sentence B will come after C as it is giving information about the capacity of the above-mentioned shelters with taking care of guidelines due to the pandemic

Sentence D will come after B as it is giving information about the condition in Kolkata due to the cyclone and how they are managing the accommodation of the evacuees.

The sentence 'e' is the concluding part because it is talking about the ultimate establishment of the shelters in Odisha and West Bengal which includes schools and public buildings as well.

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14. (e)                      15. (c)                      16. (a)                      17. (b)

18. (d)                      19. (c)                      20. (a)

21. (b) Rises (noun) An increase in number size, amount or degree.

22. (d) Necessity (noun) - the state or fact of being required.

23. (a) Prevents (verb) - keep (something) from happening.

24. (c) Associated (adjective)- (of a person or thing) connected with something else.

25. (e) Contribute (verb) - Help to cause bring about.  
 26. (c) Regarded (verb) - Consider or think or in a specified way.  
 27. (b) Impacts (noun)- a marked effect or influence.  
 28. (e) Raise (adjective) - Elevated to a higher position or level, lifted.  
 29. (b)  
 30. (b)

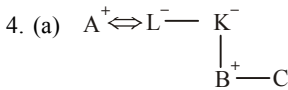
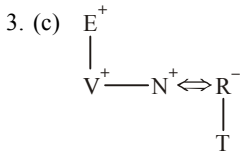
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**Reasoning Ability**

(1 - 2) :

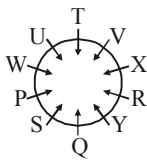
In the code language pattern, Glow is written as P4.  
 The number is denoted by the total number of letters in the word and Letter denotes the next letter according to the English alphabetical order of the second last letter in the word.

1. (d)            2. (d)



ACHIEVERS In Focus

(5 - 7):



5. (c)  
 6. (d)  
 7. (b)

(8 - 10):

Floor	Persons
9	U
8	X
7	B
6	A
5	V
4	S
3	Q
2	D
1	C

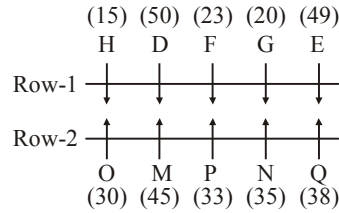
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8. (d)    9. (d)    10. (a)

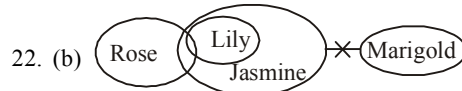
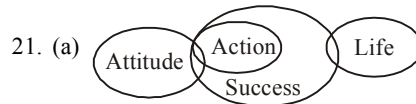
(11 - 13):

Persons	Profession	City
A	Pharmacist	Bhubeneswar
B	Professor	Hyderabad
C	Artist	Mumbai
D	Engineer	Bangalore
E	Lawyer	Ahmedabad
F	Doctor	Chennai
G	Counselor	Jaipur

11. (c) 12. (d) 13. (b)  
 14. (d) 15. (b) 16. (c)  
 (17 - 20):



17. (a) 18. (c) 19. (b) 20. (c)

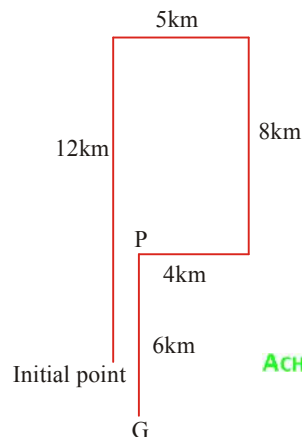


23. (d) 24. (5)  
 (25-27) :

Age	Year	Person
69Y	1951	K
63Y	1957	Q
54Y	1966	D
44Y	1976	W
34Y	1986	B
25Y	1995	O
21Y	1999	P
19Y	2001	M
14Y	2006	N

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25. (a) 26. (c) 27. (d)  
 28. (c)  
 29. (e)  
 (30-31) :



ACHIEVERS In Focus

30. (c)  
 31. (b)  
 32. (a)  
 33. (d) 34. (e) 35. (e)

**Quantitative Aptitude**

1. (b) Required number of arrangement

$$= \frac{9!}{3! \times 2!} = 30240$$

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2. (a) SI for 3 years → 3000

SI for 1 year → 1000

SI for 2 year → 2000

$$\text{Rate\%} = \frac{2050 - 2000}{1000} \times 100 = 5$$

According to question,

$$P \left[ \left( 1 + \frac{5}{100} \right)^2 - 1 \right] = 2050$$

$$\Rightarrow P \left[ \frac{441}{400} - 1 \right] = 2050$$

$$\Rightarrow P = \frac{2050 \times 400}{41} = 20,000$$

3. (d) Let efficiency of A, B and C be a, b and c respectively

According to question

$$\frac{a+b}{c} = \frac{3}{2} \dots (i)$$

$$\frac{a+c}{b} = \frac{2}{1} \dots (ii)$$

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On solving (i) and (ii), we get

$$a : b : c = 4 : 5 : 6$$

$$\text{A alone can complete in} = \frac{20 \times 15}{4} = 75 \text{ days}$$

4. (c) Let initial quantity of milk and water in the mixture be 7y and xy respectively

So,

$$\frac{7y}{xy+20} = \frac{7}{15}$$

$$\Rightarrow 105y = 7xy + 140 \dots (i)$$

$$\frac{7y}{xy+10} = \frac{14}{25}$$

$$\Rightarrow 175y = 14xy + 140 \dots (ii)$$

Solving (i) and (ii) we get,

$$y = 4$$

Initially quantity of milk in mixture = 7y = 28L

5. (e) Let marked price of one jeans be 100x

So cost price of one jeans be 80x

and selling price of one jeans be 87.5x

According to question,

$$12 \times (87.5x - 80x) = 1800$$

$$7.5x = 150$$

**ACHIEVERS In Focus**

$$\Rightarrow x = 20$$

Total cost price of one jeans = 80 × 20 = Rs. 1600

6. (b) (I)  $4x^2 + 17x - 42 = 0$

$$\Rightarrow 4x^2 + 24x - 7x - 42 = 0$$

$$\Rightarrow 4x(x+6) - 7(x+6) = 0$$

$$\Rightarrow (4x-7)(x+6) = 0$$

$$\Rightarrow x = \frac{7}{4}, -6$$

$$(II) y^2 + 21y + 90 = 0$$

$$\Rightarrow y^2 + 15y + 6y + 90 = 0$$

$$\Rightarrow y(y+15) + 6(y+15) = 0$$

$$\Rightarrow (y+6)(y+15) = 0$$

$$\Rightarrow y = -6, -15$$

$$\therefore x \geq y$$

7. (d) (I)  $x^2 - 24x + 128 = 0$

$$\Rightarrow x^2 - 16x - 8x + 128 = 0$$

$$\Rightarrow x(x-16) - 8(x-16) = 0$$

$$\Rightarrow (x-8)(x-16) = 0$$

$$\Rightarrow x = 8, 16$$

**ACHIEVERS In Focus**

$$(II) y^2 - 34y + 288 = 0$$

$$\Rightarrow y^2 - 18y - 16y + 288 = 0$$

$$\Rightarrow y(y-18) - 16(y-18) = 0$$

$$\Rightarrow (y-18)(y-16) = 0$$

$$\Rightarrow y = 18, 16$$

$$\therefore x \leq y$$

8. (a) (I)  $8x^2 - 30x + 28 = 0$

$$\Rightarrow 8x^2 - 16x - 14x + 28 = 0$$

$$\Rightarrow 8x(x-2) - 14(x-2) = 0$$

$$\Rightarrow (8x-14)(x-2) = 0$$

$$\Rightarrow x = \frac{7}{4}, 2$$

$$(II) 5y^2 - 8y + 3 = 0$$

$$\Rightarrow 5y^2 - 5y - 3y + 3 = 0$$

$$\Rightarrow 5y(y-1) - 3(y-1) = 0$$

$$\Rightarrow (5y-3)(y-1) = 0$$

$$\Rightarrow y = 1, \frac{3}{5}$$

$$\therefore x > y$$

(9-13):

Visitors came from S. Africa on Day 4 =  $72 \times \frac{9}{8} = 81$

Total visitors on Day 2 = Total visitors on Day 4 = 114 + 81 = 195

Let total visitors on Day 1 be y

Then total visitors on Day 3 = y + 15

Total visitors came from S. Africa = 195 + 195 - 157 = 233

According to question,

$$y + y + 15 + 195 + 195 = 257 + 219 + 233$$

$$y = 152$$

$$y + 15 = 167$$

No of visitors came on Day 2 from India, Britain and S. Africa

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$$\frac{195}{13} \times 6, \frac{195}{13} \times 4 \text{ and } \frac{195}{13} \times 3 \text{ respectively}$$

$$= 90, 60 \text{ and } 45 \text{ respectively}$$

Let visitors came from India on Day 3 and from Britain on Day 4 be 5a and 4a respectively

Let visitors came from India on Day 4 and from Britain on Day 3 be 7b and 4b respectively

$$\text{Then, } 5a + 4b = 167 - 72 \dots (i)$$

And  $4a + 7b = 114$  .....(ii)

From (i) and (ii), we get,

**ACHIEVERS In Focus**

$a = 11$  and  $b = 10$

	India	Britain	S. Africa	Total
Day1	$257 - 90 = 167$	$219 - 60 = 159$	$233 - 45 = 188$	
	$55 - 70 = 42$	$40 - 44 = 75$	$72 - 81 = 35$	152
Day2	90	60	45	195
Day3	$5a = 55$	$4b = 40$	72	167
Day4	$7b = 70$	$4a = 44$	81	195
Total	257	219	233	709

9. (b) Required % =  $\frac{72-40}{90} \times 100 = \frac{320}{9} \% = 35\frac{5}{9} \%$

10. (a) Required ratio =  $\frac{233}{4} : \frac{152}{3} = 699 : 608$

11. (c) Total revenue on Day1 =  $152 \times 800 = 121600$

Total revenue on Day3 =  $55 \times 800 + (40 + 72) \times 800 \times \frac{225}{200}$   
 $= 144800$

Required ratio =  $121600 : 144800$   
 $= 152 : 181$

12. (e) Total visitors of Britain came on Day2 to Day4  
 $= 60 + 40 + 44 = 144$

Total visitors from India, Britain and S. Africa came on Day4 = 195

Required part =  $\frac{144}{195} = \frac{48}{65}$  **ACHIEVERS In Focus**

13. (c) On Day3 number of visitors came from Australia  
 $= 72 \times \frac{9}{8} = 81$

% increase in visitors =  $\frac{81}{167} \times 100 = 48\frac{84}{167} \%$

14. (c)  $34.91\%$  of  $480.081 + ? \times \sqrt{170} = \sqrt{120} \times (429.181 \div 12.981)$

$168 + ? \times 13 = 11 \times 33$

$? \times 13 = 195$

$? = 15$

15. (e)  $(20.83)^2 - 3716.69 \div 59 = ? \times 4 - 71.89$

$21^2 - 3717 \div 59 = ? \times 4 - 72$

$441 - 63 = ? \times 4 - 72$

$450 = ? \times 4$

$112.5 = ?$

16. (c)  $7\frac{9}{13}$  of  $(6240.3 - 6071.12) + 727 \div 9 \div 3 = ? + 743.7 - 617.09$

$\frac{100}{13} (6240 - 6071) + \frac{729}{9 \times 3} = ? + 744 - 617$

$\frac{100}{13} (169) + 27 = ? + 127$

$1200 = ?$

**ACHIEVERS In Focus**

17. (a)  $\frac{(728.94)^2 \times (27.11)^3 \times 3^3 \times (9.04)^4}{(243.18)^2} = (80.98)^?$

$(243^2 \times 3^2 \times 27^3 \times 3^5 \times 9^4) \div 243^2 = 81^?$

$81^6 = 81^?$

$6 = ?$

18. (d)  $\frac{12.99 \times ?}{26.02} + 224.97\%$  of  $60.03 - 96.03 \div 8.01 = (7.03)^3$

$\frac{13 \times ?}{26} + 225\%$  of  $60 - 96 \div 8 = 343$

$\frac{?}{2} + 135 - 12 = 343$

$\frac{?}{2} = 220$

**ACHIEVERS In Focus**

$? = 440$

19. (b) Total employees of A =  $\frac{500}{25} \times 100 = 2000$

Total employees of B =  $\frac{252}{100-16} \times 100 = 300$

Total no of employees in A and B =  $2000 + 300 = 2300$

20. (c) Let distance between B and C is  $x$  km

So distance between A and B is  $(x + 4)$  km

According to the question

$\frac{x}{24-4} - \frac{x+4}{24+4} = \frac{36}{60}$  **ACHIEVERS In Focus**

$\Rightarrow \frac{x}{20} - \frac{x+4}{28} = \frac{3}{5}$

$\Rightarrow \frac{7x - 5(x+4)}{140} = \frac{3}{5}$

$\Rightarrow x = 52 \quad \therefore AB = 52 + 4 = 56$  km

21. (c) Required time =  $\frac{180}{20-10} = 18$  sec

22. (d)

23. (a)  $19 \xrightarrow{\times 2-5} 33 \xrightarrow{\times 2-4} 62 \xrightarrow{\times 2-3} 121 \xrightarrow{\times 2-2} 240 \xrightarrow{\times 2-1} 479$

24. (b)  $1290 \xrightarrow{\times \frac{1}{2}} 645 \xrightarrow{\times \frac{2}{3}} 430 \xrightarrow{\times \frac{3}{4}} 322.5 \xrightarrow{\times \frac{4}{5}} 258 \xrightarrow{\times \frac{5}{6}} 215$

25. (a)  $132 \xrightarrow{+(1^2-1)} 132 \xrightarrow{+(2^2-2)} 134 \xrightarrow{+(3^2-3)} 140 \xrightarrow{+(4^2-4)} 152 \xrightarrow{+(5^2-5)} 172$

26. (b)  $158 \xrightarrow{+12} 170 \xrightarrow{+16} 186 \xrightarrow{+24} 210 \xrightarrow{+36} 246 \xrightarrow{+52} 298$

27. (d)  $23 \xrightarrow{+13^2} 192 \xrightarrow{+11^2} 313 \xrightarrow{+9^2} 394 \xrightarrow{+7^2} 443 \xrightarrow{+5^2} 468$

28. (a) Number of employees in ICICI =  $\frac{10}{3} \times 3600 = 12000$

Number of employees in PNB =  $\frac{7}{3} \times 3600 = 8400$

Number of clerk in ICICI =  $12000 \times \frac{30}{100} = 3600$

Number of clerk in PNB =  $8400 \times \frac{28}{100} = 2352$

Difference =  $3600 - 2352 = 1248$

**ACHIEVERS In Focus**

29. (b) Number of employees in PNB =  $100x$

$$\text{Number of specialist in PNB} = \frac{15}{14} \times 28 = 30\%$$

**ACHIEVERS In Focus**

$$\text{Number of PO in PNB} = 100x \times \frac{100 - 28 - 30}{100} = 42x$$

$$\text{Number of employees in SBI} = 100y$$

$$\text{Number of PO in SBI} = 100y \times \frac{100 - 30 - 25}{100} = 45y$$

$$\frac{42x}{45y} = \frac{28}{15}$$

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

$$100x + 100\left(\frac{x}{2}\right) = 7200 \quad \text{ACHIEVERS In Focus}$$

$$x = 48$$

$$\text{Number of employees in SBI} = \frac{48}{2} \times 100 = 2400$$

$$\text{Number of employees in PNB} = 48 \times 100 = 4800$$

$$\text{Specialist in PNB} = 4800 \times \frac{30}{100} = 1440$$

$$\text{Specialist in SBI} = 2400 \times \frac{25}{100} = 600$$

$$\text{Difference} = 1440 - 600 = 840$$

30. (a) Number of employees in ICICI =  $6x$

$$\text{Number of employees in BOB} = 7x$$

$$6x \times \frac{34}{100} \times 80 = 97920$$

$$x = 600$$

$$\text{Number of PO in ICICI} = 600 \times 6 \times \frac{36}{100} = 1296$$

$$\text{Number of PO in BOB} = 600 \times 7 \times \frac{40}{100} = 1680$$

$$\text{Difference} = 1680 - 1296 = 384 \quad \text{ACHIEVERS In Focus}$$

31. (c) Number of employees in SBI =  $2x$

$$\text{Number of employees in HDFC} = 2x \times \frac{150}{100} = 3x$$

$$\text{Number of clerk in HDFC} = 3x \times \frac{100 - 45 - 20}{100} = 1.05x$$

$$\text{Number of clerk in SBI} = 2x \times \frac{30}{100} = 0.6x$$

$$0.6x + 1.05x = 3630$$

$$x = 2200$$

**ACHIEVERS In Focus**

$$\text{Number of specialist in SBI} = 2200 \times 2 \times \frac{25}{100} = 1100$$

$$\text{Number of specialist in HDFC} = 2200 \times 3 \times \frac{20}{100} = 1320$$

$$\text{Required sum} = 1100 + 1320 = 2420$$

32. (d) Number of employees in BOB =  $100x$

$$\text{Total number of employees in HDFC} = 100x \times \frac{180}{100} = 180x$$

$$\text{Number of male PO employees in BOB}$$

$$= \frac{5}{8} \times \frac{40}{100} \times 100x = 25x$$

$$\text{Number of female PO employees in HDFC} =$$

$$180x \times \frac{45}{100} \times \frac{4}{9} = 36x \quad \text{ACHIEVERS In Focus}$$

$$\text{Required percentage} = \frac{25x}{36x} \times 100 = 69.44\%$$

33. (e)

34. (e)

35. (d)

