IBPS SPECIALIST OFFICER (IT, HR, AFO & MKT) MINI MOCK TEST SOLUTION

1. (C)
Replace 'serves' by 'serve'
2. (C)
the correct sentence would be **'the general manager has decided'.**
3. (D)
The sentence indicates that even after encountering the crudity of literary arts, we get attracted towards it for its inherent beauty.
There are clearly two simple sentences joined by the conjunction 'and' whereas the sentence indicates a contrasting relationship between both the sentences.
Hence, part D is wrong which makes 4 the correct option.
DIRECTION (11-15):-

Floor	Person	Color of Car
1	C	Grey
2	E	White
3	J	Pink
4	D	Orange
5	G	Red
6	A	Yellow
7	F	Green
8	H	Black
9	B	Blue

11. (E)
Hence our answer will be F.
12. (A)
Hence our answer will be three.
13. (B)
Hence our answer will be B.
14. (E)
Hence our answer will no one.
15. (C)
Hence our answer will E.
16. (C)
On combining: $E \geq A > F \geq B = C > D \leq E$
Therefore, only conclusion I, II and IV are true.
17. (C)

On combining: B > E ≥ C ≥ A > G > F; A > D (Relation between D, F, G is not clear)

Therefore, only conclusion I and IV are true.

18. (A)

On combining: B ≤ D ≥ A > G ≥ E; A < C = F

Therefore, only conclusion I is true.

19. (D)

On combining: B ≥ F < G < A = C < B > D ≤ E

Therefore, only conclusion III is true.

20. (A)

On combining: E < A > B < C ≤ D ≤ F > G

Therefore, only conclusion IV is true.

21. (C)

The series has the following pattern-

$A_2 = A_1 \times n$; where n = 1, 3, 5, 7, 9....

Thus,

$A_2 = 5 \times 1 = 5$

$A_3 = 5 \times 3 = 15$

$A_4 = 15 \times 5 = 75$

$A_5 = 75 \times 7 = 525$

∴ $A_6 = 525 \times 9 = 4725$

22. (B)

The given series has the following pattern-

$A_n = (n + 1)^{(n - 1)}$

$A_1 = 2^0 = 1$

$A_2 = 3^1 = 3$

$A_3 = 4^2 = 16$

$A_4 = 5^3 = 125$

∴ $A_5 = 6^4 = 1296$

23. (B)

$$\frac{21 \times 207 \times 7}{196 \times 23} = 6.75$$

24. (E)

$(243^{n/5} \times 3^{2n + 1}) / (9^n \times 3^{n - 1})$

$[(3^5)^{n/5} \times 3^{2n + 1}] / (3^{2n} \times 3^{n - 1})$

$(3^n \times 3^{2n + 1}) / (3^{2n} \times 3^{n - 1})$

$3^{3n + 1} / 3^{3n - 1}$

$3^{(3n + 1 - 3n + 1)} = 3^2 = 9$

∴ ? = 9

25. (E)

For eq 1

∴ $x = -\sqrt{3}, 3\sqrt{3}$

For eq 2

∴ $y = \sqrt{5}, 2\sqrt{5}$

∴ No relation can be obtained

26. (B)

For eq 1

∴ x = −3/7, 4/3

For eq 2

∴ y = 5/2, 7/3

∴ x < y

27. (B)

Total number of balls in Shop A = 100

Total number of balls in Shop B = 120

Total number of red balls in shop A = 70% of 100 = 70

Total number of red balls in shop B = 50% of 120 = 60

⇒ Required Probability = (70 + 60)/220

⇒ Required Probability = 130/220

⇒ Required Probability = 13/22

∴ Required probability is 13/22

28. (A)

Total number of balls = 20

Total number of black balls = 20% of 20 = 4

Out of 4 black balls 2 balls can be drawn in 4C2 = 6 ways

⇒ Total number of events = 20C2 = 190

⇒ Required probability = 6/190 = 3/95

∴ Required probability is 3/95

29. (C)

Let the events be A

A = drawing 10 blue balls in second draw

Total number of balls in shop A = 100

Total number of blue balls = 20% of 100 = 20

⇒ $P(A) = (^{20}C_{15})/(^{100}C_{15})$

⇒ $P(A) = 15504/^{100}C_{15}$

∴ Required probability is $15504/^{100}C_{15}$

30. (D)

Total number of balls in shop B = 120

Total number of black balls in shop B = 20% of 120 = 24

Out of 24 black balls 1 black ball can be drawn in 24C1 ways

1 ball from remaining 120 – 24 = 96 balls can be drawn in 96C1 ways

One black and one another color ball can be drawn in 24C1 x 96C1 ways

Total number of events = $^{120}C_2$ = 7140

⇒ Total number of favourable events = $^{24}C_1$ x $^{96}C_1$ = 2304

⇒ Required probability = 2304/7140 = 0.322

∴ Required probability is 0.322

IBPS SO HR (PRE) MINI MOCK TEST

ANSWER KEY

1(C)	2(C)	3(D)	4(D)	5(C)	6(A)	7(E)	8(A)	9(D)	10(B)
11(E)	12(A)	13(B)	14(E)	15(C)	16(C)	17(C)	18(A)	19(D)	20(A)
21(C)	22(B)	23(B)	24(E)	25(E)	26(B)	27(B)	28(A)	29(C)	30(D)