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

HARYANA SSC MOCK TEST - 61 (SOLUTION)

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

Explanation:

41. (B) (A) K C O G (+4, +4)
(B) F K O R (+7, +9)
(C) H A M F (+5, +5)
(D) V N Y Q (+3, +3)

42. (B) 8, 27, 64, 125
$(2)^3$ $(3)^3$ $(4)^3$ $(5)^3$

43. (B) 16 : 36 :: 64 : 100
4^2 6^2 8^2 10^2

44. (D)

45. (D) (5 + 9) × 6 = 84
(8 + 6) × 4 = 56
(7 + 3) × 7 = 70

46. (C)

47. (B) nc**d**/dcn/**n**cd/dc**n**/n**c**d/dcn/n**c**d

48. (B) S E N S A T I O N A L
1 2 3 1 4 5 6 7 3 4 8
so, S T A T I O N
1 5 4 5 6 7 3

49. (C) (A) 10 + 5 – 5 × 5 ÷ 5 = 10
(B) 10 – 5 + 5 – 5 = 5
(C) 10 × 5 ÷ 5 – 5 + 5 = 10
(D) 10 ÷ 5 × 5 – 5 + 5 = 10

50. (B)

51. (B) 20% of ₹10 = ₹ 2
Reduced price of 5 oranges = ₹ 2

$\Rightarrow$ Reduced price of 1 orange $= \frac{2}{5} \times 100$ p
$= 40$ paise

$\Rightarrow$ Original price of 1 orange $= \frac{40}{1-0.20}$
$= \frac{40}{0.80}$
$= \frac{40 \times 100}{80}$
$= 50$ paise

52.(C) Maximum marks = x
Passing marks = 20% of x + 5
Again, passing marks = 30% of x – 20
ATQ,
20% of x + 5 = 30% of x – 20
$0.20x - 0.30x = -20 - 5$

$-0.10x = -25$

$x = \frac{25}{0.10} = \frac{2500}{10} = 250$

% of passing marks $= \frac{20\% \text{ of } 250 + 5}{250} \times 100$

$= \frac{55}{250} \times 100 = 22\%$

53. (D) Let the required number be x.
60% of $x - 60 = 60$
60% of $x = 120$

$x = \frac{120 \times 100}{60} = 200$

54. (C) $a = 101$, $d = 1$, $a_n = 200$

$\because \quad a_n = a + (n-1)d$

$\Rightarrow \quad 200 = 101 + (n-1) \times 1$

$\Rightarrow 200 - 101 = n - 1$

$\Rightarrow \quad 99 + 1 = n$

$n = 100$

$S_{100} = \frac{100}{2}[a + a_n]$

$= 50[101 + 200]$

$= 50 \times 301$

$= 15050$

55. (A) A = ₹ 2550
R = 4% p.a.
n = 2 years
Let each of the two equal instalments be ₹ x.

Present worth $= \frac{\text{instalment}}{\left(1 + \frac{r}{100}\right)^n}$

$P_1 = \frac{x}{\left(1 + \frac{r}{100}\right)^1}$

$= \frac{x}{\left(1 + \frac{4}{100}\right)} = \frac{25x}{26}$

Similarly,

$P_2 = \frac{x}{\left(1 + \frac{4}{100}\right)^2} = \frac{625x}{676}$

Now, $P_1 + P_2 = A$

$\Rightarrow \frac{25x}{26} + \frac{625x}{676} = 2550$

$\Rightarrow \frac{650x + 625x}{676} = 2550$

$\Rightarrow \quad x = \frac{2550 \times 676}{1275}$

$= ₹\ 1352$

56. (B) Let 256 is one of the three digit number.
Now 6-digit number formed after the repetation of 256= 256256
Sum of the digits at odd places
= 2 + 6 + 5 = 13
Sum of the digits at even places
= 5 + 2 + 6 = 13
Difference = 13 – 13 = 0
$\Rightarrow$ 6-digit number 256256 is divisible by 11

57. (A) Workdone by A & B in 4 days

$= 4\left[\frac{1}{15} + \frac{1}{20}\right]$

$= 4\left[\frac{4+3}{60}\right] = \frac{7}{15}$

Remaining work $= 1 - \frac{7}{15} = \frac{8}{15}$

58. (D) Total age of the girls including teacher's age
= 15 × 15 = 225 yrs
Total age of the girls (excluding teacher's age)
= 14 × 14 = 196 yrs
Teacher's age = 225 – 196 = 29 yrs

59. (B) Let the MP of each pen = ₹ x
MP of 36 pens = ₹ $36x$
MP of 40 pens = ₹$40x$
CP = Rs. $36x$
SP = 99% of $40x$ = ₹ 39.6x

% profit $= \frac{39.6x - 36x}{36x} \times 100$

$= \frac{3.6x}{36x} \times 100 = 10\%$

60. (C) Let the second discount be x%.
According to question,

$720 \times \frac{90}{100} \times \frac{100 - x}{100} = 550.80$

$\Rightarrow \quad 100 - x = \frac{550.80 \times 100 \times 100}{720 \times 90}$

$\Rightarrow \quad 100 - x = 85$

$\therefore \quad x = 15\%$

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

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