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

HARYANA SSC MOCK TEST - 35 (SOLUTION)

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

Explanation:-

41. (C) Except (C) all are part of Entrepreneur

42. (B) G O N J R Q M U T P X W
(+1, +1, +1, +1; +7, -4, +7, -4, +7, -4, +7)

43. (B)
Z Y X W : M L K J :: R Q P O : E D C B
(-1 -1 -1; -10; -1 -1 -1; -10)

44. (C)
C E N T U R I O N
3 2 5 7 9 1 4 6 5

R A N K
1 8 5 9

Similarly,
T A N K
7 8 5 9

45. (D) b **a** t **d** a/ **d** a d d **a** d / b a **t** **d** a d

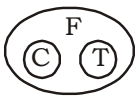
46. (B) Colour of blood is red. Here Blue means Red so colour of Blood is Blue

47. (B) Kiran < Rita < Nila < Rekha < Gita
↓
eldest

48. (C) K < G < R < A
↓
most senior

49. (D)

50. (C) Table and chair are known as Furniture



51. (B) A takes $\frac{1}{3}$ of the time taken by B.

A takes $\frac{2}{3}$ less time than B.

$\frac{2}{3}$ (time by B) = 10 days

Time taken by B = $\frac{3\times10}{2}$ = 15 days

52. (C) S.P. of 12 articles = C.P. of 12 articles – S.P. of 3 articles
S.P. of 15 articles = C.P. of 12 articles
Let C.P. of 1 article be Rs. 1
S.P. of 15 articles = Rs.12
C.P. of 15 articles = Rs.15
Loss = Rs. 3

Loss % = $\frac{3}{15}\times 100 = 20\%$

53. (D) $a^2 + b^2 + c^2 - ab - bc - ca =$

$$\frac{1}{2}\left[(a-b)^2+(b-c)^2+(c-a)^2\right]$$

$$= \frac{1}{2}\left[(-1)^2+(-1)^2+(2)^2\right] = \frac{1}{2}\times 6 = 3$$

54. (C) R = (r_1 + r_2) – divisor
R is the remainder when sum of both the numbers is divided by divisior.
[NOTE: If R becomes –ve, then remainder R = (r_1 + r_2)]
R = 7
r_1 = 15
r_2 = 39
7 = 39 + 15 – Divisor
Divisor = 47

55. (B) Amount of water flowing in 1 minute = $k(d)^2$
Amount of water filled by largest pipe in 1 minute = $k(2)^2 = \frac{1}{61}$

$\Rightarrow k = \frac{1}{61\times4}$

Amount of water filled by pipe of diameter 1 cm in 1 minute = $k(1)^2 = k$
Amount of water filled by pipe of diameter $1\frac{1}{3}$ cm in 1 minute = $k\left(\frac{16}{9}\right)$

Amount of water filled by all the 3 pipes in 1 minute = $\frac{1}{61}+k+k\left(\frac{16}{9}\right)$

$$= \frac{1}{61}+\frac{1}{61\times4}+\frac{1\times16}{61\times4\times9}$$

$$= \frac{1}{36}$$

$\Rightarrow$ cistern will be full in 36 minutes.

56. (D) $\frac{Speed\ of\ A}{Speed\ of\ B} = \sqrt{\frac{T_B}{T_A}} = 3:2$

57. (D) $\frac{x^2\times x}{yz\times x}+\frac{y^2\times y}{xz\times y}+\frac{z^2\times z}{xy\times z}$

[Multiply & divide by x, y & z]

$$\frac{x^3}{xyz}+\frac{y^3}{zyz}+\frac{z^3}{xyz}=\frac{x^3+y^3+z^3}{xyz}$$

$x^3 + y^3 + z^3 = 3xyz$
(x + y + z = 0)

$$= \frac{3xyz}{xyz} = 3$$

58. (B) Let Arvind's age be x years.
Then his father's age = 4x years
4x – 5 = 7(x – 5) or 3x = 30 or x = 10
Arvind's father's age is 40 years.

59. (C) Simple Interest earned in 10 years = 100%
For a sum to become 4 times, interest earned = 300%
100% SI is earned in 10 years
300% SI will be earned in 30 years

60. (B) $\left|1-\frac{1}{3}\right|\left|1-\frac{1}{4}\right|.....\left|1-\frac{1}{n}\right|$

$$= \frac{2}{3}\times\frac{3}{4}\times\frac{4}{5}\times ..... \frac{n-1}{n} = \frac{2}{n}$$

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