Book For

Bihar Public Service Commission

BPSC Reasoning Sample Paper 2016 PDF Download

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(1) AYD, BVF, DRH, ?, KGL

[A] FMI

[B] GMJ

[C] GLJ

[D] HLK

Answer : [B]

Explanation:

(2) M, N, O, L, R, I, V, ?

[A] A

[B] E

[C] F

[D] H

[E] Z

Answer : [B]

Explanation:
The given sequence is a combination of two series:
I. M, O, R, V and II. N, L, I, ?

(3) _ stt _ tt _ tts _

[A] tsts

[B] ttst

[C] sstt

[D] tsst

Answer : [D]

Explanation:
The series is tst/tst/tst/tst. Thus, the pattern 'tst' is repeated.

(4) ab _ _ baa _ _ ab _

[A] aaaaa

[B] aabaa

[C] aabab

[D] baabb

Answer : [B]

Explanation:
The series is aba/aba/aba/aba. Thus, the pattern 'aba' is repeated.

(5) m _ nm _ n _ an _ a _ ma _

[A] aamnan

[B] ammanm

[C] aammnn

[D] amammn

Answer : [C]

Explanation:
The series is m<u>a</u>n/m<u>a</u>n/<u>m</u>an/m<u>a</u>n/ma<u>n</u>. Thus, the pattern 'man' is repeated.

(6) Arrange the words given below in a meaningful sequence.
   1. Index   2. Contents   3. Title   4. Chapters   5. Introduction

[A] 2, 3, 4, 5, 1

[B] 3, 2, 5, 1, 4

[C] 3, 2, 5, 4, 1

[D] 5, 1, 4, 2, 3

Answer : [C]

(7) Arrange the words given below in a meaningful sequence.
   1. Sea   2. Rivulet   3. Ocean   4. River   5. Glacier

[A] 5, 2, 1, 3, 4

[B] 5, 2, 4, 1, 3

[C] 5, 4, 2, 3, 1

[D] 5, 4, 3, 2, 1

Answer : [B]

(8) Arrange the words given below in a meaningful sequence.
   1. Heel   2. Shoulder   3. Skull   4. Neck   5. Knee
   6. Chest   7. Thigh   8. Stomach   9. Face   10. Hand

[A] 2, 4, 7, 10, 1, 5, 8, 9, 6, 3

[B] 3, 4, 7, 9, 2, 5, 8, 10, 6, 1

[C] 4, 7, 10, 1, 9, 6, 3, 2, 5, 8,

[D] 3, 9, 4, 2, 10, 6, 8, 7, 5, 1

Answer : [D]

(9) Arrange the words given below in a meaningful sequence.
   1. Atomic Age   2. Metallic Age   3. Stone Age   4. Alloy Age

[A] 1, 3, 4, 2

[B] 2, 3, 1, 4

[C] 3, 2, 4, 1

[D] 4, 3, 2, 1

Answer : [C]

(10) Arrange the words given below in a meaningful sequence.
  1. Sentence   2. Chapter   3. Letter   4. Book   5. Word   6. Paragraph

[A] 4, 2, 1, 6, 5, 3

[B] 4, 2, 6, 1, 5, 3

[C] 4, 6, 1, 2, 3, 5

[D] 4, 6, 2, 5, 1, 3

Answer : [B]

(11) Statements: Some actors are singers. All the singers are dancers.
Conclusions:

  I. Some actors are dancers.

  II. No singer is actor.

[A] Only (1) conclusion follows

[B] Only (2) conclusion follows

[C] Either (1) or (2) follows

[D] Neither (1) nor (2) follows

[E] Both (1) and (2) follow

Answer : [A]

Explanation: Only (1) follows.

(12) Statements: All the windows are doors. No door is a wall.
Conclusions:

  I. Some windows are walls.

  II. No wall is a door.
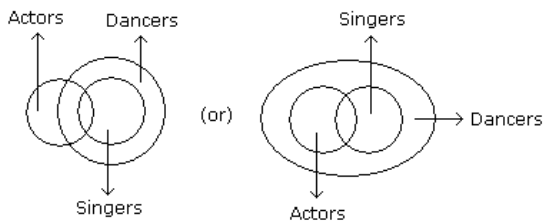
[A] Only (1) conclusion follows

[B] Only (2) conclusion follows

[C] Either (1) or (2) follows

[D] Neither (1) nor (2) follows

[E] Both (1) and (2) follow

Answer : [B]

Explanation: Only (2) follows.

(13) Statements: All cars are cats. All fans are cats.
Conclusions:

    I. All cars are fans.

    II. Some fans are cars.

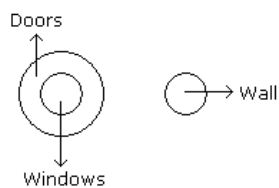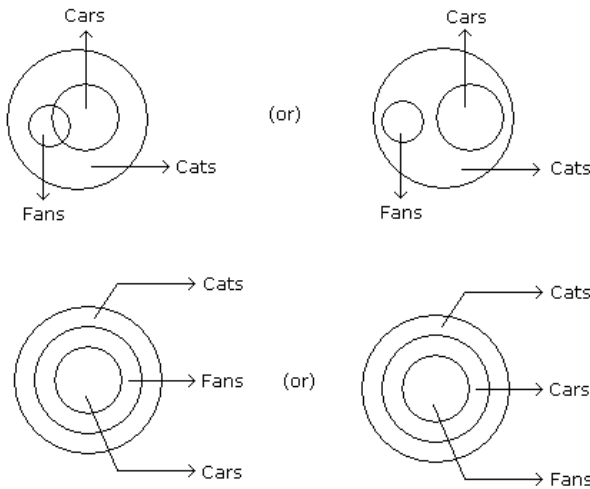[A] Only (1) conclusion follows

[B] Only (2) conclusion follows

[C] Either (1) or (2) follows

[D] Neither (1) nor (2) follows

[E] Both (1) and (2) follow

Answer : [D]

Explanation: None of these two follows.

(14) Statements: All green are blue. All blue are white.
Conclusions:

    I. Some blue are green.

    II. Some white are green.

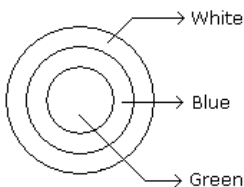   **III. Some green are not white.**

    IV. All white are blue.

[A] Only (1) and (2)

[B] Only (1) and (3)

[C] Only (1) and (4)

[D] Only (2) and (4)

Answer : [A]

Explanation: Only (1) and (2) follows.

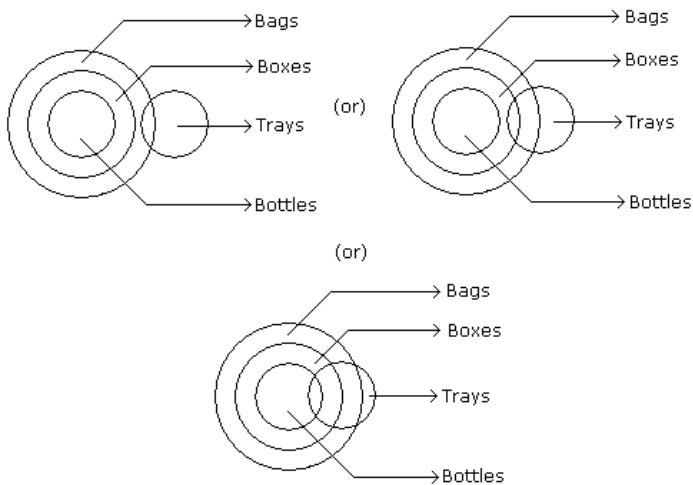**(15) Statements: All the bottles are boxes. All the boxes are bags. Some bags are trays.**
Conclusions:

I. **Some bottles are trays.**

II. **Some trays are boxes.**

III. **All the bottles are bags.**

IV. **Some trays are bags.**

[A] Only (3) and (4)

[B] Only (1) and (2)

[C] Only (2) and (3)

[D] Only (1) and (4)

Answer : [A]

Explanation:

Only (3) and (4) follow.

(16) What is the smallest number of ducks that could swim in this formation - two ducks in front of a duck, two ducks behind a duck and a duck between two ducks ?

[A] 3

[B] 5

[C] 7

[D] 9

Answer : [A]

Explanation:
Clearly, the smallest such number is 3.

Three ducks can be arranged as shown above to satisfy all the three given conditions.

(17) A shepherd had 17 sheep. All but nine died. How many was he left with ?

[A] Nil

[B] 8

[C] 9

[D] 17

Answer : [C]

Explanation:
'All but nine died' means 'All except nine died' i.e. 9 sheep remained alive.

(18) A fires 5 shots to B's 3 but A kills only once in 3 shots while B kills once in 2 shots. When B has missed 27 times, A has killed

[A] 30 birds

[B] 60 birds

[C] 72 birds

[D] 90 birds

Answer : [A]

Explanation:

Let the total number of shots be x. Then,

Shots fired by A $= \frac{5}{8}x$; Shots fired by B $= \frac{3}{8}x$.

Killing shots by A $= \frac{1}{3}$ of $\frac{5}{8}x = \frac{5x}{24}$;

Shots missed by B $= \frac{1}{2}$ of $\frac{3}{8}x = \frac{3x}{16}$.

$\therefore \frac{3x}{16} = 27$ or $x = \left(\frac{27 \times 16}{3}\right) = 144$.

Birds killed by A $= \frac{5x}{24} = \left(\frac{5}{24} \times 144\right) = 30$.

(19) A total of 324 coins of 20 paise and 25 paise make a sum of Rs. 71. The number of 25-paise coins is

[A] 120

[B] 124

[C] 144

[D] 200

Answer : [B]

Explanation:
Let the number of 20-paise coins be x. Then, number of 25-paise coins = (324 - x).
Therefore 0.20 x x + 0.25 (324 - x) = 71 ⟺ 20x + 25 (324 - x) = 7100
⟺ 5x= 1000 ⟺ x = 200. Hence, number of 25-paise coins = (324 - x) - 124.

(20) A placed three sheets with two carbons to get two extra copies of the original. Then he decided to get more carbon copies and folded the paper in such a way that the upper half of the sheets were on top of the lower half. Then he typed. How many carbon copies did he get?

[A] 1

[B] 2

[C] 3

[D] 4

Answer : [B]

Explanation:
Since the number of carbons is 2, only two copies can be obtained.