IBPS PO Mock Test 5

Q 1. A dealer deals only in Music systems and LED TV. He wants to spend up to ₹12 lakhs to buy 100 pieces. He purchases a Music system at Rs.10,000 and a LED TV at ₹15,000 each. He sells a Music system at ₹12,000 and a LED TV at ₹17,500 each.
If the LED TV was sold at ₹ 12,500. What will be the profit or loss percent?
A.   16.67%
B.   21%
C.   20%
D.   None of the above
E.   Cannot be determined
Answer: A

Solution 1: Cost price of one LED TV = ₹15,000
Selling Price of one LED TV = ₹12,500
Loss% = (C.P-S.P) / 15000 × 100
        = (15000-12500) / 15000 × 100
        = 16.67%

Directions (2-3): Find what comes in place of question mark (?) in the given number series:

Q 2.   432   396   371   355   ?
A.   350
B.   351
C.   346
D.   333
E.   321
Answer: C

Solution 2:
$432 - 6^2 = 396$
$396 - 5^2 = 371$
$371 - 4^2 = 355$
$355 - 3^2 = 346$

Q 3.   256   ?   516   1551   6208   31045
A.   312
B.   417
C.   288
D.   257
E.   None of the above
Answer: D

Solution 3:
$256 \times 1 + 1 = 257$
$257 \times 2 + 2 = 516$
$516 \times 3 + 3 = 1551$

1551 × 4 + 4 = 6208
6208 × 5 + 5 = 31045

Directions (4-6): Read the information given below and answer the following questions:
The table below shows the information regarding the number of students who got admission in four colleges in four different faculties.

Colleges	Faculty			
	Arts	Engineering	Medical	Commerce
College A	5500	2100	3200	1500
College B	1700	2300	5640	1250
College C	870	1580	2200	1202
College D	450	980	1450	2750

Q 4. What is the total number of students enrolled in the Arts faculty?
A.   12,300
B.   8520
C.   12,540
D.   8650
E.   None of the above
Answer: B

Solution 4: Total number of students enrolled in Arts faculty = 5500+1700+870+450 = 8520

Q 5. What is the ratio of the number of students enrolled in commerce faculty in college A to the number of students enrolled in the engineering faculty in college B?
A.   23:15
B.   5:3
C.   3:5
D.   15:23
E.   4:7
Answer: D

Solution 5: Number of students enrolled in commerce faculty in college A = 1500
Number of students enrolled in engineering faculty in college B = 2300
Ratio = 1500:2300 = 15:23

Q 6. What are the average number of students enrolled in college C in all the four faculties together?
A.   1462
B.   1463
C.   1464
D.   1500
E.   1422
Answer: B

Solution 6: Average number of students enrolled in college C in all four faculties
= (870+1580+2200+1202) / 4
= 5852 / 4
= 1463

Q 7. What will come in place of question mark (?). Give an approximate value
$1884 \div 145.01 + 7.01 + ?^2 = 68.99$
A. 5
B. 49
C. 25
D. 7
E. 36
Answer: D

Solution 7: 1884/145 = 13
$\Rightarrow$ 13+7 = 20
$\Rightarrow$ 20 + $?^2$ = 69
$\Rightarrow$ $?^2$ = 69-20
$\Rightarrow$ $?^2$ = 49
$\Rightarrow$? = 7

Q 8. Three years ago, Arpan's age was equal to the sum of the present ages of his one son and one daughter. Three years ago, the respective ratio between the ages of his daughter and his son that time was 12:13. If Arpan's sister is 5 years younger to him and her present age is twice the present age of Arpan's daughter, what is the present age of Arpan's son?
A. 15 years
B. 21 years
C. 12 years
D. Cannot be determined
E. None of the above
Answer: E

Solution 8: The age of Arpan's daughter, 3 years ago = 12x
The age of Arpan's son, 3 years ago = 12x
Arpan's present age = 12x + 13 + 3 + 6 = (25x + 9) years
Present age of Arpan's sister = (25x + 9) - 5 years = (25x+4) years
According to question,
(25x + 9) = 2(12x+3)
$\Rightarrow$ 25x - 24x = 6-4
$\Rightarrow$ x=2
Present age of Arpan's son = 13x + 3 = (13×2+3) years = 29 years

Q 9. As per the given equation, marks the correct answer:
Equation I: $a^2 + 5a + 6=0$
Equation II: $b^2 + 3b + 2=0$
A. a>b
B. b>a
C. a=b
D. a≤b

E.   a≥b
Answer: D

Solution 9:
Equation I: $a^2 + 5a + 6 = 0$
$\implies a^2 + 2a + 3a + 6 = 0$
$\implies a(a+2) + 3(a+2)$
$\implies a = -2 \text{ or } -3$
Equation II: $b^2 + 3b + 2 = 0$
$\implies b^2 + 2b + b + 2 = 0$
$\implies b(b+1) + 2(b+1)$
$\implies b = -1 \text{ or } -2$

Directions (10-12): Read the information carefully and answer the following questions:
Aasif, Beena, Charu, Dilip, Elina, Firoz, Ganesh and Harish are sitting around a circular table facing the centre. Each one of them has a different profession viz. Designer, chartered accountant, astronaut, scientist, social worker, manager, businessman and politician.
The politician sits third to right of Ganesh. Charu is an immediate neighbour of Ganesh. Astronaut sits second to right of Charu. Beena sits third to right of Harish. Harish is neither a politician nor an astronaut. Only one person sits between Charu and the manager. Aasif and Firoz are immediate neighbours of each other. Neither Aasif nor Firoz is a politician. Designer sits second to right of Aasif. Two people sit between Dilip and the chartered accountant. Dilip is not a politician. Scientist is not an immediate neighbour of the politician. Social worker sits second to left of Aasif.

Q 10. Who sits second to left of Charu?
A.   The one who is a designer
B.   Chartered Accountant
C.   Firoz
D.   Elina
E.   Beena
Answer: C

Q 11: Which of the following statements is false?
A.   Ganesh is a scientist
B.   Elina sits second to right of the astronaut
C.   Firoz is a manager
D.   Dilip is not a social worker
E.   All the given statements are correct
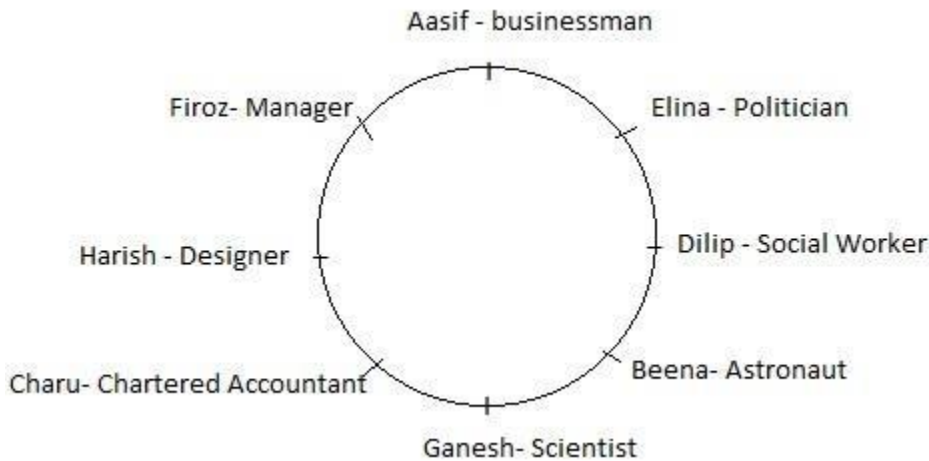**Answer:** D

Q 12: Which of the given combinations are correct?
A.   Dilip - social worker
B.   Harish - Designer
C.   Ganesh - Politician
D.   Aasif - Businessman
E.   Beena - Astronaut
Answer: C

Solution (10-12):

Aasif - businessman

Firoz- Manager

Elina - Politician

Harish - Designer

Dilip - Social Worker

Charu- Chartered Accountant

Beena- Astronaut

Ganesh- Scientist

Directions (13-14): In the questions given below, three statements are given followed by two conclusions. Check the statements can answer which of the given conclusions are logically correct.

Q 13: Statements: All papers are erasers
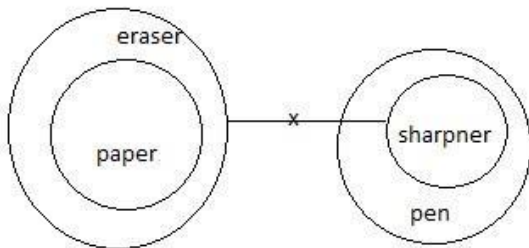No eraser is a sharpener
All sharpeners are pen
Conclusion I: No pen is a paper
Conclusion II: All erasers being pens are a possibility
A.   Only conclusion I follows
B.   Only conclusion II follows
C.   Both conclusion I and II follows
D.   Neither conclusion I nor 2 follows
E.   Either conclusion I or II follows
Answer: D

Solution 13:

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Q 14. Statements: No silver is gold
Some gold is bronze
All bronze is aluminium
Conclusion I: No aluminium is gold
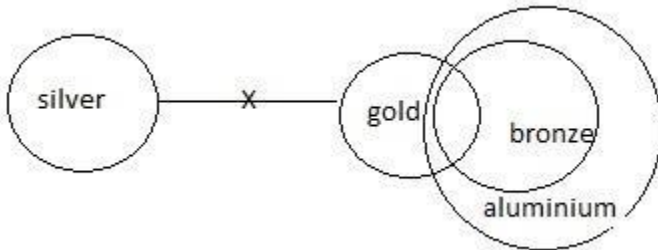**Conclusion II:** Atleast some aluminium is gold
A.   Only conclusion I follows
B.   Only conclusion II follows

C.   Both conclusion I and II follows
D.   Neither I nor II follows
E.   Either I or II follows
Answer: B

Solution 14:

Directions (15-16): Read the given information carefully and answer the questions accordingly
In a certain code language 'colours of the earth' is written as 'ki la fa so'
'Rainbow colours' is written as 'ro ki'
'Earth has space' is written as 'la pe jo'
'The space world' is written as 'pe so ne'

Q 15. What is the code for 'space'?
A.   la
B.   Pe
C.   So
D.   Ne
E.   Ki
Answer: B

Q 16. What does 'la jo di' mean?
A.   has earth water
B.   earth has rainbow
C.   colour has earth
D.   None of the above
E.   Cannot be determined
Answer: A

Solution (15-16):
Colour- ki
The-so
Space- pe
World - ne
Rainbow - ro
Earth - la
Has - jo
Of- fa

Q 17. Four fruits X, Y, Z and Q are kept in four different coloured baskets, red, green, yellow or blue placed in a sequence. Z is kept in yellow basket. The green basket is adjacent to the blue basket. X is

not placed adjacent to Z. The yellow basket is in between the green and red basket. What is the colour of the basket in which fruit X is kept?

A.   Red
B.   Blue
C.   Green
D.   Yellow
E.   Cannot be determined

Answer: B

Solution 17:
Red   yellow green blue
Y/Q   Z   Y/Q   X

Q 18. In a certain code language 'DREAMS' is written as 'CSDBLT'. What will be the code for 'CENSUS' ?

A.   BFMTTT
B.   BFMTST
C.   BTCAMS
D.   BFTSMA
E.   None of the above

Answer: A

Solution 18:
D(-1)   R(+1)   E(-1)   A(+1) M(-1) S(+1)
$\Rightarrow$ CSDBLT
C(-1)   E(+1)   N(-1)   S(+1)   U(-1)   S(+1)
$\Rightarrow$ BFMTTT

Q 19. Fill in the most appropriate word/words using the given set of options to make the sentence meaningful.
Price inflation is time and again the_____ of_____ of goods.

    1. accompaniment, dearth
    2. cause, destitution
    3. concurrent, scarcity
    4. upshot, glut

A.   Only 2
B.   Only 3
C.   Only 1
D.   Only 4
E.   Bothe 2 and 4

Answer: B

Q 20. Choose a suitable substitute from the given options for the underlined expression.
The science and art of good eating and drinking is now a lost generation.

    1. Cooking
    2. Osteopathy
    3. Gluttony
    4. Gastronomy

A. Only 1
B. Only 2
C. Only 3
D. Only 4
E. None of the above

Answer: D

Q 21. Each sentence forms a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are correct in terms of grammar and usage (including punctuation, spelling and logical consistency). Then, choose the most appropriate option.
   1. Accusations and retorts mean nothing
   2. to the few million who have lost their homes.
   3. The nightmare is far from over, for the government
   4. is still unable to reach hundreds who are marooned.
   5. the death count have just begun.

A. Only 1
B. Only 3
C. Both 1 and 3
D. 1,3 and 4
E. both 4 and 5

Answer: C

Q 22. In the question given below, a word has been used in sentences in five different ways. Find the sentence(s) in which the usage of word is incorrect and choose the appropriate option.
Round
   1. The police fired a round of tear gas shells.
   2. The doctor is on a hospital round.
   3. I shall proceed further only after you come round to admitting it.
   4. We took a ride on the merry-go-round.
   5. The shop is located around the corner.

A. Both 1 and 3
B. Only 2
C. Only 4
D. Both 3 and 5
E. Only 5

Answer: B

Q 23. In the questions given below, there are five sentences having pair of words or phrases that are highlighted. From the highlighted word(s)/phrase(s) select the most appropriate word or phrase to form the correct sentences. Then, select the best one from the options given.
   1. The old man has a healthy [A] **distrust** / [B] **mistrust** for all new technology.
   2. This film is based on a [A] **real** / [B] **true** story.
   3. For the crowds it was more of a [A] **historical** / [B] **historic** event; for their leader, it was just another day.
   4. The [A] **further**/ [B] **farther** he pushed himself, the more disillusioned he grew.
   5. One suspects that the [A] **compliment**/ [B] **complement** was backhanded.

A. BABAB

B.   ABBAA
C.   BAABA
D.   BBAAB
E.   ABABA
Answer: B

Q 24. Paragraph given below has one highlighted word that does not make sense. Choose the most appropriate replacement(s) for that word from the given options
Women squat, heads wrapped, beside huge piles of flabby fodder and **blunk** oil lamps, and just about all the cows in the three towns congregate upon this spot. Sinners, petitioners and yes, even scallywags hand over a few coins for a crack at redemption and a fistful of grass.

1. sputtering
2. luminous
3. effulgent
4. resplendent

A.   Only 1
B.   Only 3
C.   Both 2 and 4
D.   Only 4
E.   Both 1 and 4
Answer: A

Q 25. The question given below contains statements numbered (1-6) followed by five options in combinations of three. You have to choose that set in which the third statement logically follows from the first two.
1. All mammals are viviparous.
2. No bird is viviparous.
3. Bats are viviparous.
4. No bat is a bird.
5. No bird is a mammal.
6. All bats are mammals.

A.   215
B.   143
C.   621
D.   163
E.   245
Answer: A