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## Birlasoft placement paper

### Section 1: Aptitude (20 questions in 20 minutes)

1. There are total of 15 people. 7 speak French, 8 speak Spanish and 3 do not speak any language. What fraction of the total people speaks both languages?  
1]  $\frac{1}{6}$                       2]  $\frac{1}{5}$                       3]  $\frac{1}{3}$                       4]  $\frac{1}{7}$
2. A jogger wants to save  $\frac{1}{4}^{\text{th}}$  of his jogging time. He should increase his speed by how much %age.  
1] 25%                      2] 36.95%                      3] 33.33 %                      4] 43.73%
3. A is an integer. Dividing 89 & 125 by A gives remainders 4 & 6 respectively. Find A  
1] 17                      2] 19                      3] 11                      4] 9
4. A batsman makes a score of 270 runs in the  $87^{\text{th}}$  inning and thus increases his average by a certain number of runs that is a whole number. Find the possible values of the new average.  
1] 98                      2] 184                      3] 12                      4] All of these
5. A few soldiers form a square. Initially 32 soldiers were left behind and they can still form a square. Then 8 left again, after which they could not form a square. Total no. of soldiers at the beginning were:  
1] 100                      2] 81                      3] 49                      4] 67

Directions for Questions 6 to 10: Read the following information carefully & answer the questions given below:

- i. A, B, C, D and E are five friends.
  - ii. B is elder to E, but not as tall as C
  - iii. C is younger to A, and is taller to D and E.
  - iv. A is taller to D, but younger to E.
  - v. D is elder to A but is shortest in the group.
6. Who among the following is the eldest?  
1] A                      2] B

4] None of these

2] BC

4] these

4] None of these

4] these

4] None of these

] 242

4] op

] khi

bbaba

#### 4] Watch

16. If 'tee see pee' means 'Drink fruit juice', 'see kee lee' means 'Juice is sweet' and 'lee ree mee' means 'He is intelligent', which word in that language means 'sweet'?

1] see

2] kee

3] lee

4]  
pee

17.If it is possible to make a meaningful word with the first, the third, the seventh and the ninth letters of word SEPARATION, which of the following will be the third letter of that word? If no such word can be made, give X as the answer and if more than one such word can be made, give M as the answer.

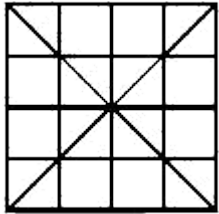
1] O

2] P

3] T

4] M

18.How many triangles does the following figure have?



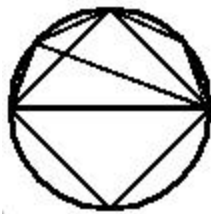
1] 36  
48

2] 40

3] 44

4]

19.Count the number of triangles in the following figure.



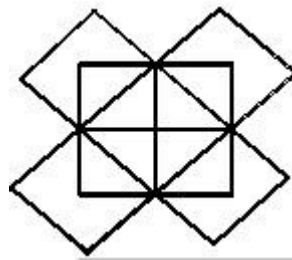
1] 8  
12

2] 10

3] 11

4]

20.How many rectangles does the following figure have?



1] 10  
14

2] 12

3] 13

4]

Section 2: Verbal Ability (15 questions in 20 minutes)

Directions for Questions 21 to 24: Correct the errors in the following sentences.

21.The baby was obviously getting too hot, then Sam did what he could to cool her.

1] hot, then Sam did

2] hot, Sam did

3] hot, Sam, therefore, did

4] hot, Sam, trying

to do

22. She hoped to find a new job. One that would let her earn money during the school year.

- |                  |                    |
|------------------|--------------------|
|                  | job. The kind      |
| 1] job. One that | 2] that            |
| 3] job, one that | 4] job, so that it |

23. Knocked sideways, the statue looked as if it would fall. 1] Knocked sideways, the statue looked

- 2] The statue was knocked sideways, looked 3] The statue looked knocked sideways  
4] The statue, looking knocked sideways,

Directions for Questions 24 to 27: Read the arguments and answer the questions that follow.

24. The education offered by junior colleges just after the Second world war had a tremendous practical effect on family-run businesses throughout the country. After learning new methods of marketing, finance & accounting, the sons & daughters of merchants returned home, often to increase or to maximise profits in other ways. Which of the following statements is best supported by the information above?

- 1] The junior colleges principally emphasised methods of increasing the size of small businesses. 2] The business methods taught in the junior colleges were already widespread before the second world war.  
3] The business curriculum at junior colleges did not include theoretical principles of management.  
4] Without the influence of junior colleges, many family-run businesses would have been abandoned as unprofitable.  
5] Business methods in many post war family-run businesses changed significantly as a result of the junior colleges.

25. Techniques to increase productivity in the performance of discrete tasks, by requiring less human labour in each step of the production process, are widely utilised. Consultants on productivity enhancement point out, however, that although these techniques achieve their specific goal, they are not without drawbacks. They often instill enough resentment in the workforce eventually to lead to a slowdown in the process as a whole.

Which of the following can be reasonably inferred from the statements above?

- 1] Productivity enhancement techniques do not attain their intended purpose and should not be employed in the workplace.  
2] The fact that productivity enhancement techniques are so widely employed has led to a decline in the ability of American businesses to compete abroad.  
3] If productivity enhancement consultants continue to utilise these techniques, complete work stoppages will eventually result.  
4] Ironically, an increase in the productivity of discrete tasks may result in a decrease in the productivity of the whole production process.  
5] Production managers are dissatisfied with the efforts that productivity enhancement consultants have made to increase productivity.

26. Time and again it has been shown that students who attend colleges with low faculty/student ratios get the most well-rounded education. As a result, when my children are ready for college, I'll be sure they attend a school with a very small student population.

Which of the following, if true, identifies the greatest flaw in the reasoning above?

1] A low faculty/student ratio is the effect of a well-rounded education, not its source.

2] Intelligence should be considered the result of childhood environment, not advanced education.

3] A very small student population does not, by itself, ensure a low faculty/student ratio.

4] Parental desires and preferences rarely determine a child's choice of a college or university.

5] Students must take advantage of the low faculty/student ratio by intentionally choosing small classes.

27. The increase in the number of newspaper articles exposed as fabrication serves to bolster the contention that publishers are more interested in boosting circulation than in printing the truth. Even minor publications have staffs to check such obvious fraud.

The argument above assumes that

1] Newspaper stories exposed as fabrications are a recent phenomenon. 2] Everything a newspaper prints must be factually verifiable.

3] Fact checking is more comprehensive for minor publications than for major ones.

4] Only recently have newspapers admitted to publishing intentionally fraudulent stories.

5] The publishers of newspapers are the people who decide what to print in their newspapers.

Directions for Questions 28 to 31: Arrange the following sentences so that they form a coherent paragraph.

28. A. Another part of the recent uptrend is due to the pass through from higher energy prices; this effect is likely to fade as energy inflation slows.

B. The moderate pickup in core CPI inflation in February is likely to be reversed.

C. Part of February's rise is accounted for, by apparel prices, which rose by 0.8% m/m.

D. This rise appears to be due to the early introduction of higher priced spring and summer wear, and should be reversed next month

1] DBCA

2] BCDA

3] ACBD

4] CABD

29. A. Increasingly, Americans seem to be getting intolerant of "others."

B. Following an emotionally charged debate, the Bill, which ensures that almost all Federal Government activities will have to be conducted in English, was passed by 259 to 169 votes.

C. Ignoring the diversity of America's ethnic communities, cultures and languages, the US Congress recently voted English as the only language for conducting business in the House.

D. This would mean an end to services such as Spanish or Chinese language

voter instructions.

1] CBAD

2] CDBA

3] ACBD

4] ABCD

30.A. All these issues seem insurmountable, but they are not.

B. If we take pride in our doyens of classical music, or in our authors and artists of international reputation, why can't we bring ourselves to cultivate the same excellence in education and research, in Science and Technology?



- C. Further, if we demand excellence as the selection criteria in our cricket and hockey teams and our Olympic athletes, why can't we insist that a university faculty is chosen on the basis of merit?
- D. There has to be a collective societal will that we must have excellence in education and research.
- 1] ABCD                      2] ADBC                      3] DABC                      4] DACB

- 31.A. It is our duty to discover the meaning and our privilege to ultimately attain the goal.
- B. Philosophy, therefore, which seeks to reveal the meaning, constitutes, in so far as it succeeds, an advance towards the goal.
- C. Indian Philosophy teaches that life has a meaning and a goal.
- D. For what, after all, is the goal?
- 1] CDAB                      2] DABC                      3] CABD                      4] DCBA

Directions for Questions 32 to 35: Choose the option which will correctly fill the blank.

- 32.We had some problems when we checked \_\_\_\_\_ the hotel. They had reserved the room under the wrong name.
- 1] in                      2] after                      3] into                      4] off
- 33.My book club meets regularly to discuss selected novels. In fact, we are getting \_\_\_\_\_ next week to talk about a really unique mystery novel called Illusion.
- 1] to                      2] in                      3] together                      4] over
- 34.Mrs. Jones's husband passed \_\_\_\_\_ last Friday. We are going to attend his funeral next week.
- 1] into                      2] away                      3] after                      4] about
- 35.In the dream, my wallet turned \_\_\_\_\_ a butterfly and flew away. Isn't that symbolic, I think I'd better stop spending so much money.
- 1] in                      2] as                      3] away                      4] into

## Answer set

### Section 1: Aptitude

1. 2
2. 3
3. 1
4. 4
5. 2
6. 4
7. 4
8. 1
9. 4
- 10.1
- 11.1
- 12.1
- 13.3

14.1  
15.1  
16.2  
17.4  
18.1  
19.1  
20.1

## Section 2: Verbal Ability

21.3  
22.3  
23.1  
24.5  
25.4  
26.3  
27.5  
28.2  
29.2  
30.1  
31.3  
32.3  
33.3  
34.2  
35.4