## CETking

# MockEngineering 

## Program


(memory based)

1. How many such pairs of letters are there in the word MAGNIFICENT each of which has as many letters between them in the word as in the English alphabet?
A. None
B. Two
C. Three
D. Four
E. More than four
2. How many meaningful English words can be formed with the letters YRLEA using each letter only once in each word?
A. None
B. One
C. Two
D. Three
E. More than three
3. In a certain code, QUADRATIC is written as BJJDQRVBE. How is OBJECTIVE written in that code?
A. PCKFBUJWF
B. SHUDBPCKF
C. UJWFBPCKF
D. NAIDBSHUD
E. None of these
4. The following groups of alphabets form a certain pattern with regard to their position in the English alphabetic series. Based upon the pattern, which of the following five alternatives should replace the question mark?
HDG, NJM, TPS, ?
A ZVY
B. QNR
C. RPS
D. QMR
E. None of these
5. Abhay correctly remembers that Kavita's birthday is before 23 rd while after 15 th. Yasir correctly remembers that Kavita's birthday is after 20th while before 25 th. On which of the following dates does Kavita's birthday definitely fall?
A. 21st
B. 22nd
C. 23rd
D. 21 st or 2200
E. not be determined
6. A thief hides his loot in a house. As the police chase him, he runs 2 kms to the west before taking, a right turn and running for another 2 kms . He then takes a right turn and runs for .another 7 kms , Finally, he takes two right turn and runs 2 kms after taking each turn and defeats the police. How far must he walk in order to reach the house in which he had hidden the loot?
A. 2 kms
B. 3 kms
C. 4 kms
D. 1 km
E. None of these
7. If all the letters in the word WATCHDOG are rearranged as they appear in the English alphabet the position of how many letters will remain unchanged after the rearrangement?
A. None
B. One
C. Two
D. Three
E. Four

Directions $(\mathbf{8 \cdot 1 0}):$ A, B, C, D and E live in a six storey building (ground floor + five floors). Second floor of the building is' vacant. B lives only above C. A lives immediately above E. D does not stay on the topmost floor.
8. Who of the following lives on the ground floor of the building?

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A.A
B. B
C. C
D. D
E. E
9. Who of the following lives immediately above the floor that is vacant?
A. A
B. B
C. C
D. D
E. E
10. How many people live between $B$ and $A$ ?,
A None
B. One
C. Two
D. Three
E. Cannot be determined
11. What should come in place of the question mark (?) in the following equation?
$5169+3072-?=4924$
A 3767
B. 3947
C. 3137
D. 3317
E. None of these
12. What approximate value should come in place of the question mark (?) in the following equation?
$2 / 7$ of $1594 \times 4.493=1 / 2$ of ?
A. 4100
B. 4800
C. 3800
D. 3400
E. 4900
13. What should come in place of the question mark (?) in the following equation? $45 \%$ of $860+$ ? = $331 / 3 \%$ of 1500
A. 143
B. 83
C. 113
D. 123
E. None of these
14. What approximate value should come in place of the question mark (?) in the following equation?
$5376.12+11.956 / ?=55$
A. 8
B. 6
C. 10
D. 12
E 4
15. What approximate value should come in place of the question mark (?) in the following equation?
$31 \%$ of $561.32+43 \%$ of $684.89=$ ? \% of 1735.23
A 35
B. 33
C. 27
D. 23
E. 37

Directions (16-30) Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.

Internationally comparable data on the migration of the highly skilled is incomplete, but sources confirm an increase in migration flows during the 1990s, from Asia to the United States, Canada, Australia and the United Kingdom. The increase comes from strong demand in DECD countries for IT and other skills in science and technology as well as the selective immigration policies that favour skilled workers. Not all skilled migrants are in search of educational, economic or intellectual opportunities. Sometimes, they are forced to leave their homes as a result of war, or political, ethnic and religious persecution.

Skilled migration between DECD countries is also on the rise but appears dominated by temporary flows of advanced students, researchers, managers and IT specialists, suggesting more a pattern of brain circulation than a draining of skills from one place to another.

The United States is the main pole of attraction for foreign skilled workers; $40 \%$ of its foreign-born adult population has tertiary level education. But the United States is not the only magnet. Canada also attracts talent and, despite its modest loss of skilled migrants to the US, is in fact a net importer of human capital. Skilled migration to Germany and France has been lower in recent history, but these countries have now implemented policies to attract foreign students, researchers and IT workers.

The costs and benefits of brain drain and circulation of talent are highly debated. International mobility of skilled workers can generate global benefits by improving knowledge flows and satisfying the demand for skills. The contribution of foreign skilled workers to economic growth and achievement in host countries, in particular to research, innovation and entrepreneurship, is increasingly recognized. But, it is important to distinguish between emigrants from DECD countries and those from developing countries.

In home countries in the developing world, the challenge is greater, For these countries, capturing benefits mostly depends on attracting back skilled emigrants and providing opportunities for them to use their new technological competencies. Returnees also can bring valuable management experience, entrepreneurial skills and access to global networks. They may even bring venture capital. But this is looking on' the bright side. Mostly, the problems caused by the brain drain in poorer countries are great. Migrants from developing countries are generally more likely to stay in the host country than migrants from advanced countries. In the longer run, however, return flows of people and capital may not only offset some potential negative effects of international migration but also constitute an economic development strategy in its own right.

The harsh reality is that only a handful of countries have been successful in luring their talented émigrés back home. Up to a third of R\&D professionals from the developing world are believed to reside in the OECD area. While there are often media reports of successful Indian entrepreneurs in the United States who establish branches or even firms in India only a small number actually return. In 2000, it was estimated that some 1,500 highly qualified Indians returned from the-United States, although more than 30 times that number depart each year.

The relative success of some countries in fostering return migration has been attributed to the opening up of their economies and policies to foster domestic investments in innovation and R\&D. Developing countries with. Some infrastructure in R\&D, like India are more likely to attract the return of migrants, as well as money and business contacts. "Immigrant entrepreneur networks" can also help home countries capture benefits and know-how from emigrants overseas, Indian professionals in the US have been the primary drivers of knowledge and capital flows to India. The Indian government has contributed to the emergence of these private networks through legislative and tax rules that encourage remittances and investment from Indians abroad.

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Governments can do quite a lot to address the causes of brain drain. Science 'and technology policies are key in this regard. Developing centres of excellence for scientific research and framing conditions for innovation and high tech entrepreneurship can make a country attractive to highly skilled workers, both from within the country and from outside. The task is not easy and it takes time; India's investment in human' resources in science and technology and own R\&I) capabilities dates from the 1950s.

The risk of a brain drain is real. Yet countries can create opportunities for research, innovation and entrepreneurship at home and stimulate a return flow of migrants and capital, as well as win access to international innovation networks. With the right mix of policies and sustained international cooperation, several countries could, as one Indian official pointed out, see the "brain drain" be transformed into a "brain bank".
16. What, according to the author, is/are the benefit(s) of migration?
(1) Migrant workers contribute to the economy of the country they migrate to .
(2) There is a significant exchange of new knowledge and ideas.
(3) The migrant workers help fill the skill gaps in the country they migrate to.
A .Only (3)
B. All (1),(2) \& (3)
C. Only (2) \& (3)
D. Only (I) \& (2)
E. None of these
17. What, according to the author, is/are the cause(s) of brain drain? .
(1) Search for academic opportunities
(2) Need to lead an extravagant life .
(3) Disturbances in one's own country
A. Only (1)
B. Only (I) \& (2)
C. Only (3)
D. Only (I) \& (3)
E. All (1), (2) \& (3)
18. Which of the following is/are true in the context of the passage?
(1) The brain drain phenomenon can be worked on to one's advantage if all countries co-operate with each other.
(2) The US has the maximum number of foreign immigrants.
(3) There are no skilled immigrants from Canada. ,
A. All (1), (2) \& (3)
B. Only (2)
C. Only (3)
D. Only (1) \& (3)
E. Only (1) \& (2)
19. Which of the following would be the most appropriate title for the given passage?
A. Brain Drain :-Advantages and Disadvantages
B. Brain Drain and the Developing Entrepreneur
C. Migration of Labour Class-A Global Phenomena
D. Immigrant Entrepreneur Networks
E. Problem of Brain Drain in OECD Countries
20. What, according to the author, can the government do to tackle brain drain?
(1) Establish centres for scientific research
(2) Encourage creativity and innovation
(3) Frame policies that are conducive to entrepreneurship
A. Only (2)
B. Only (1)
C. Only (2) \& (3)
D. Only (1) \& (2)
E. All (1), (2) \& (3)
21. Why, according to the author, is the migration of skilled workers a larger problem in the developing countries?
A. As the developing countries are then pressurised by developed countries to call the migrant workers back
B. As it is difficult for developing countries to attract migrants back to their home country
C. As the workers in the developed countries remain jobless since all the vacant positions are occupied by the migrant skilled workers
D. As the GOP of the developing countries falls rapidly due to migration
E. None of these
22. How, according to the author, can the developing countries benefit from the migrant skilled workers?
(1) Skilled migrant workers send part of their earnings to their home country thereby contributing to its economy.
(2) On their return migrant workers put to use their newly acquired technological know-how in their home country.
(3) Once the migrant workers return they bring in new global contacts and also invest capital.
A. Only (1) \& (2)
B. All (1), (2) \& (3)
C. Only (2) \& (3)
D. Only (3)
E. None of these
23. How, according to the author, have some countries attracted their migrant skilled workers back?
A. By establishing Immigrant Entrepreneur Networks in order to persuade the migrant workers to come back
B. By garnering the government's help in calling them back
C. By adopting stringent tax payment rules for the migrant workers
D. By investing in research and development and framing of policies that encourage domestic investment
E. None of these

Directions (24-27) : Choose the word/group of words which is most similar in meaning to the word/ group of words printed in bold as used in the passage.
24. POTENTIAL
A. probable
B. competency
C. impossible
D. talent
E. capability
25. CAPTURING
A. embracing
B. releasing
C. reaping
D. holding
E. arresting
26. HARSH
A. novel
B. ruthless
C. stark
D. kind
E. boring
27. DISTINGUISH
A. watch
B. discuss
C. old
D. differentiate
E. spot

Directions (28-30) : Choose the word/group of words which is most opposite in meaning to the word/ group of words printed in bold as used in the passage.
28. KEY
A. unimportant
B. disengaged
C. unlocked
D. serious
E. vital
29. ATTRACTIVE
A. ugly
B. repulsive
C.dry
D. alluring
E. deterring
30. SATISFYING
A. increasing
B. discontent
C. appeasing
D. disturbing
E. gratifying

Directions (31-35): Study the following information carefully and answer the questions given below it:
$P, Q, R, S, T, V$ and Ware sitting around a circle acing the centre. $R$ is second to the right of $T$ who third to the right of $P$. $S$ is third to the left of $P d$ second to the right of $V . Q$ is not an immediate neighbour of $R$.
31. Who is to the immediate right of S?
A. W
B. R
C. $T$
D. Data inadequate
E. None of these
32. Who is second to the right of $W$ ?
A P
B. V
C. Q
D. Data inadequate
E. None of these
33. What is T's position with respect to W?
A. Fourth to the left
B. Second to the left
C. Fifth to the left
D. Third to the left
E. Fifth to the right
34. Who is to the immediate left of $Q$ ?
A. P
B. W
C. V
D. T
E. Data inadequate
35. In which of the following combinations is the Ird person sitting between the first and the second person?
A. SRW
B. VTS
C. QVP
D. WPR
E. VST

Directions (36-40) : In each of the following questions in four out of the five figures, element I is related to element II in the same particular way. Find out the figure in which the element I is not so related to element II.

41. What approximate value should come in place of the question mark (?) in the following equation?
$312 \times 55+216 \times 39=$ ?
A. 28400
B. 18500
C. 20600
D. 22500
E. 25600
42. What should come in place of the question mark (?) in the following equation?

218 +root $676 \times 25=$ root? $\times 108.5$
A. 64
B. S
C. 25
D. 16
E. None of these
43. What should come in place of the question mark (?) in the following equation?
$40 \%$ of $2600+35 \%$ of $2800=$ ? $\%$ of 4040
A. 100
B. 50
C. 40
D. 60
E. 80
44. What approximate value should come in place of the question mark (?) in the following equation?
$25.14 \times 14.46-5 / 6$ of $3125=$ ? of 8904.69
A. 13
B. 11
C. 9
D. 3
E. None of these
45. What approximate value should come in place of the question mark (?) in the following equation?
$51 / 2+2 / 3$ of $5691=24.16 x$ ?
A. 12
B. 18
C. 16
D. 20
E. 22

Directions (46-50) : In each of the following questions series begins with unlettered figure on the extreme left. One and only one of the five lettered figures in the series does not fit into the series. The two unlettered figures one each onthe extreme left and the extreme right fit into the series. You have to take as many aspects into account as possible of the figures in the series and find out the one and only one of the five lettered figures which does not fit into the series. The letter of that figure is the answer.
Study the following sample question.


In this question the letter of lines in the figure in the series goes on increasing by one from left to right. If we go by this aspect of 'letter oflines' only then there is no wrong figure in the series. But if we also consider the 'manner' in which the 'letter of lines' in the figures in the series goes on increasing from left to right we come to know that the figure $D$ does NOT fit into the series. Therefore, D is the .answer.
Now solve the following questions.
46.

47.

48.

49.

50.


Directions (51-55) : Which of the phrases A., 8., C. and D. given below each sentence should replace the word/phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, mark E. as the answer.
52. It would have been hard to imagine even a few years ago that an old-fashioned activity like real estate development could be such an enormous engine of growth.
A. will be
B. must be
C. should have been
D. could have been
E. No correction required
52. When such a man advocates measures to re-emphasise the importance of sports, it is time to sat and take notice.
A. sit up and take notice
B. sat up and notices
C. sit and take notes
D. sit and notice
E. No correction required
53. The actress still has a girl-next-door image which has worked to her advantage in a series of films and helped her struck gold at the box-office.
A. help in strike
B. helping her striking
C. helped her strike
D. helped in struck
E. No correction required
54. Things went about the ceiling when the actor walked into' the house and upped the cheer quotient.
A. go through the ceiling
B. went through the ceiling
C. go with the ceiling
D. went on the ceiling
E. No correction required
55. "We all wondered at the marvel of catching with so many buddies from decades ago with just a few clicks on the laptop."
A. catching
B. catch of
C. catch up with
D. catching up with
E. No correction required

Directions (56-60) : In each of the questions below given four statements followed by four elusions numbered I, II, III and IV. You have to the given statements to be true even if they to be at variance from commonly known facts. all the conclusions and then decide which of given conclusions logically follows from the given statements disregarding commonly known facts.
56. Statements : All nails are boards.

Some boards are desks.
All desks are sticks.
Some sticks are ropes.
Conclusions: I Some ropes are desks.
II Some sticks are boards.
III Some desks are nails.
IV Some boards are nails.
A. Only I and II follow
B. Only II and III follow
C. Only I, II and III follow
D. Only II. III and IV follow
E. Only II and IV follow
57. Statements : Some chairs are tunnels.

Some tunnels are keys.
All keys are boxes.
All boxes are houses.
Conclusions : I Some houses are tunnels.
II. Some boxes are chairs.
III. Some boxes are tunnels.
IV. Some houses are chairs.
A. Only I and II follow
C. Only I and III follow
E.None of these
58. Statements : All flowers are windows.

No window is lake.
Some lakes are rivers.
All rivers are ponds.
Conclusions: I Some ponds are flowers.
II Some rivers are windows.
III No pond is flower.
IV Some ponds are lakes.
A. None follows
B. Only I follows
C. Only III follows
E. Only either I or III follow
59. Statements: Some roads are glasses.

Some glasses are jugs.
Some jugs are trains.
Some trains are buses.
Conclusions: I Some buses are jugs.
II Some trains are glasses.
III Some jugs are roads.
IV Some buses are glasses.
A. None follows
B. Only I. follows
C. Only II follows
E. Only IV follows
60. Statements: Some leaves are flowers.

All flowers are knives.
Some knives are chairs.
All chairs are rings.
Conclusions: I Some rings are leaves.
II Some chairs are flowers.
III Some rings are knives.
IV Some knives are leaves.
A. Only I and II follow
B. Only III and IV follow
C. Only I and III follow
E. All I, II, III and IV follow

Directions (61-65) : In each of the following questions a number series is given in which one. number is wrong. Find out that wrong number.
61. $\quad 4 \quad 5 \quad 14 \quad 51 \quad 2801125 \quad 6786$
A. 5 B. 14
C. 51
D. 280

E 1125
$\begin{array}{llllllll}\text { 62. } & 7 & 7.5 & 5 & 9 & 20 & 52.5 & 160.5\end{array}$
A. 3.5
B. 5
C. 9
D. 22
E. 57.5
63. 1600788384184863717.5

A 788
B. 384
C. 184
D. 86
E. 37
64. $12156 \quad 220 \quad 320 \quad 356372 \quad 376$

A 156
B. 220
C. 320
D. 356
E. 372
65. $2 \quad 12 \quad 66 \quad 297 \quad 1485 \quad 5940 \quad 20790$
A. 12
B. 66
C. 297
D. 1485
E. 5940

Directions (66•75) : In each of these questions there are two sets of figures. The figures on the left are Problem Figures (four figures and one question-marked space) and those on the right are Answer figure indicated by letter A., 8., C, D. and E.. A series is established if one of the five answer figure is placed at the "question-marked space". Figures form a series if they change from left to right according to same rule. The number of the answer figure which should be placed ill the question-marked space is the answer. All the five figures i.e. four problem figures and one answer figure placed in the question-marked space should be considered as forming the series.
Study the following sample question.
PROBLEM FIGURES ANSWER FIGURES


A
B.
C. D.
E.

If we place the Answer Figure $D$ in the question marked space it makes a series which indicates that one vertical line is added in each figure. So the answer is 'D'. Note that if we go by only one aspect of 'number of lines'. Answer Figure C may also fit in. So you have to consider all different aspects.
Now solve the following questions.
PROBLEM FIGURES ANSWER FIGURES,
66.

7.

| c | nc |  | UJTC | द |
| :---: | :---: | :---: | :---: | :---: |
| L | rL | ? | -7rL | L. 17 L |
| T |  |  | H+1-T | T-1トT |


A.
B.
C.
D.
E

A. B.
C.
D.
(e)


A.
B.
C
D.
E.
67.
68.


70.

A.

 | $\Delta \Delta$ | 0 | 0 | $\Delta$ | $\Delta$ | 0 | 0 | $\Delta$ | $\Delta$ | $\Delta$ | $\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\Delta$ | $\Delta$ | $\Delta$ | $\Delta$ |  |  |  |  |  |  |  |
| $\Delta$ | 0 | 0 | 0 | $\Delta$ | 0 | 0 | $\Delta$ | $\Delta$ | a | 0 |
| $\Delta$ | 0 | 0 | 0 | 0 |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | $\Delta$ | 0 | 0 | 0 | 0 | $\Delta$ |
| 0 | 0 | 0 |  |  |  |  |  |  |  |  |\(\quad \begin{gathered}B. <br>

A.\end{gathered}\) | $\Delta \Delta$ | 0 | 0 | $\Delta$ | $\Delta$ | 0 | 0 | $\Delta$ | $\Delta$ | $\Delta$ | $\Delta$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\Delta$ | $\Delta$ | $\Delta$ | $\Delta$ |  |  |  |  |  |  |  |
| $\Delta$ | 0 | 0 | 0 | $\Delta$ | 0 | 0 | $\Delta$ | $\Delta$ | a | 0 |
| $\Delta$ | 0 | 0 | 0 | 0 |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | $\Delta$ | 0 | 0 | 0 | 0 | $\Delta$ |
| 0 | 0 | 0 |  |  |  |  |  |  |  |  |\(\quad \begin{gathered}B. <br>

A.\end{gathered}\)

D.
E.

71. | 0 | 0 | 0 | $\Delta$ | $\Delta$ | 0 |  | $\Delta$ | $\Delta$ | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | $\Delta$ | $\Delta$ | $\Delta$ |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | 0 | $?$ | $\Delta$ | $\square$ | 0 |
| 0 | 0 | 0 | 0 | $\Delta$ | $\Delta$ |  |  |  |  |
| 0 | 0 | 0 |  | $\Delta$ | $\Delta$ | $\Delta$ | $\Delta$ | $\Delta$ |  | 72. | $a$ | $c$ | $*$ | $U$ | $U$ | $*$ | 0 | $\Delta$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\Delta$ | 0 | $\Delta$ | $c$ | $c$ | $\Delta$ | $u$ | $*$ | $?$ |
| $k$ | $U$ | $\Delta$ | $D$ | $D$ | $\Delta$ | $c$ | 0 |  |



A. B.
3. C
D.
E.
74.

A.
B.
C.
D.
E.
75.

A.
B.
C.
D.
E.

Directions (76-80) : Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank which best fits the meaning of the sentence as a whole.
76. The party . $\qquad$ stars beautifully turned out and in the $\qquad$ for some fun.
A. had, room
B. saw, mood
C. watched, groove
D. kept, watch
E. hosted, zone
77. Not all innovation $\qquad$ to a more efficient and productive economy-let alone a $\qquad$ society.
A. caters, worse.
B. results, reformed
C. points, religious
D. leads, better
E. creates, enlightened
78. The painting is now $\qquad$ and hung on the walls of designer drawing rooms and is $\qquad$ . a collector's items.
A. designed, meant
B. painted, assumed
C. nailed, regarded
D. pasted, being
E. framed; considered
79. The album $\qquad$ lacked the marketing backup the singer's last couple of records received, $\qquad$ more original and straight from the heart.
A. it, felt
B. that, received
C. which, was
D. who, is
E. since, remained
80. The singer says that as long as each generation Can maintain even a faint $\qquad$ with what was beautiful and moving in our traditions, good film songs will probably never lose their $\qquad$
A. link, appeal
B. interest, music
C. chain, charm
D. association, creativity
E. form, magic

Directions ( $81 \cdot 85$ ) : Study the following arrangement carefully and answer the questions given below:
M3\%2RA6*JE9KSIUP4@176NQ8WCSVB
81. Which of the following is the fifth to the right of the seventeenth from the right end of the above arrangement?
A. ©
B. 2
C. K
D. @
E. None of these
82. How many such consonants are there in the above arrangement each of which is immediately preceded by a number and immediately followed by a symbol?
A. None
B. One
C. Two
D. Three
E. More than three
83. If all the numbers are dropped from the above arrangement, which of the following will be the fifteenth from the left end?
A.U
B. $N$
C. J
D. @
E. None of these
84. How many such vowels are there in the above arrangement each of which is immediately followed by a number and not immediately preceded by a number?

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A. None
B. One
C. Two
D. Three
E. Four
85. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?
A. 4 IU
B. 6 JR
C. QW8
D. KIE
E. 23A

Directions (86.90) : Each of the questions below consists of a question and two statements numbered I and Ilgiven below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and-
Give answer A. if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
Give answer B. if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
Give answer C. if the data in Statement I alone or in Statement II alone are sufficient to answer the question.
Give answer D. if the data in both the Statement I and II are not sufficient to answer the question.
Give answer E. if the data in both the Statements I and II together are necessary to answer the question.
86. What is $20 \%$ of a two digit number?
I. One-fourth of one-third of that two digit number is 8 .
II.The difference between the digits of the two digit number is 3 .
87. What is the present age of $R$ ?
$I$. The average of the present ages of $P, Q$ and. $R$ is 28 .
II. The ratio between the ages of $P$ and $Q$ is $15: 14$ respectively.
88. What is the speed of river current?
I. The speed of a boat travelling upstream is 4 km . per hour.
II. The speed of the boat travelling downstream is 8 km , per hour.
89. At what price did R buy an article?
I. $\quad \mathrm{R}$ sold the article with 20 per cent profit on cost price.
II. T bought that article from $R$ at Rs, 5,6001
90. What will be total compound interest on a sum at the end of three years?
I. The total simple interest on that sum at the end of two years at a certain rate of interest (R) was Rs. 8001
II. The total compound interest at the end of "two years on that sum at the same rate of interest (R) was Rs. 8201"

Directions (91•95) : Rearrange the following six sentences (A) (B) (e), (D), (E) and (F) in the proper sequence to form a meaningful paragraph: then answer the questions given below them.
(A) What a particular leader is doing does not provide us an understanding of what leadership is; only of what that leader believes is appropriate to do in order to lead.
(B) There have been many attempts to define leadership in the workplace

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(C) And once you think you have the answer, you would then verify it by making sure that whenever leadership changes, followers actually follow the changes.
(D) Those aren't really definitions, only descriptions of what a leader might be doing.
(E) Most define it by using one or more characteristics of a leader or something that a leader does such as providing a vision, getting things done through people or challenging the status quo.
(F) The only true way of determining what leadership actually is would be to find out what followers follow.
91. Which of the following should be the FIRST sentence after rearrangement?
A. A
B. B
C. C
D. D
E. E
92. Which of the following should be the SECOND sentence after rearrangement?
A. B
B. C
C. D
D. E
E. F
93. Which of the following should be the FOURTH sentence after rearrangement?
A. E
B. F
C. A
D. D
E. B
94. Which of the following should be the FIFTH sentence after rearrangement?
A. B
B. C
C. D
D. E
E. F
95. Which of the following should be the LAST (SIXTH) sentence after rearrangement?
A. B
B. C
C. D
D. E
E. F

Directions (96-100) : In each question below is given a group of letters followed by four combinations of digits/symbols lettered A., B., C. and D.. You have to find out which of the'. combinations correctly represents the group of letters based on the coding system and the conditions that follow and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters mark E. i.e. 'None of these' as your answer.
Letter
PKQMAEWIUDBHJF
Digit/Symbol 948 @ © $12 \% 3$ * 7 \$ 56
Code
Conditions (i) If the first letter is a vowel and the fourth letter is a consonant, their codes are to be interchanged.
(ii) If the second letter is a consonant and the last letter is a vowel both .are to be coded as o.
(iii) If both the first and the last letters are consonants both are to be coded as the 8
96. MAEKBI
A. 8®1478
B. @©1478
C. 4®1@7\%
D. @© $147 \%$
E. None of these
97. EJQMDU
A. @581*3
B. 188@*8
C. @881*8
D. 158@*o
E. None of these
98. DBMPUI
A. *7@93\%
B. *8@938
C. *7@39\%
D. $97 @ * 3 \%$
E. None of these
99. ADEFHK
A. 6*1®\$4
B. © ${ }^{*} 16 \$ 4$
C. C816\$8
D. © $* 16 \$ 4$
E. None of these
100. WJFKUQ
A. 256438
B. 856438
C. 856432
D. 286438
E. None of these

Directions (101-105) Study the following information carefully and answer the given questions:
A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.
Input : One for road 368729 now 17
Step I : 17 one for road 368729 now
Step II : 17 road one for 368729 now
Step III : 17 road 29 one for 3687 now
Step IV : 17 road 29 one 36 for 87 now
Step V : 17 road 29 one 36 now for 87
Step VI : 17 road 29 one 36 now 87 for
Step VI is the last step of the rearrangement of the above input.
As per the rules followed in the above steps, find out in each of the fOllowing questions the appropriate step of the given input.
101. Input: gas 80 fire 731632 old water

Which of the following steps will be the last but one of the rearrangement?
A.V
B.VII
C.VI
D.IV
E. None of these
102. Step III of an input is: 23 sky 379587 blue clear red Which of the following steps will be the last?
A. IX
B. V1II
C. VII
D. VI
E. None of these
103. Step II of an input is : 19 water gas vapour 392674 fall

Which of the following is definitely the input?
A. gas 19 vapour water 392674 fall
B. gas vapour 392674 fall water 19

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C. gas vapour water 392674 fall 19
D. Cannot be determined
E. None of these
104. Step II of an input is: 39 yellow 6379 blue white 47 house

Which of the following will be step VI?
A. 39 yellow 6379 white blue 47 house
B. 39 yellow 47 white house 6379 blue
C. 39 yellow 47 white 63 house 79 blue
D. 39 yellow 47 white 6379 blue house
E. There will be no such step
105. Input: desk 29 paper 19 card 34 bridge 57

How many steps will be required to complete the rearrangement?
A. Five
B. Six
C. Seven
D. Four
E. None of these
106. If the perimeter of a semicircle is 66 em., what will be the area of that semicircle?
A. 308 sq.cm.
B. 154 sq.cm.
C. 616 sq.cm.
D. Data inadequate
E. None of these
107. An amount of money is to be divided among $A, 13$ and $C$ in such a way that $C$ gets Rs. 50001more than A's amount and 13 gets Rs. 20001- less than C's amount. What is the ratio between the amount of $A$ and 13 respectively?
A. $3: 2$
B. 2:3
C. 3: 4
D. 4: 3
E. Data inadequate
108. Thirty per cent of a number is equal to forty five per cent of another number. What is the ratio between the first and the second number respectively?
A 2: 3
B. 3: 2
C. 3: 5
D. Data inadequate
E. None of these
109. Amol purchased a wristwatch with a 20 per cent discount on the labelled price. He sold it with 15 per cent profit on the labelled price. Approximately, what was his per cent profit on the original cost price?
A. 35
B. 66
C. 46
D. 56
E. 40
110. A 240 meter long train crosses an electric pole in 7.2 seconds. How long will it take to cross a 360 meter long platform?
A. 18 seconds
B. 10.8 seconds
C. 15 seconds
D. Cannot be determined
E. None of these

Directions (111-120) : In each of the question, given below which one of the five answer," figure on the right should come after the pmblem figureon the left, if the sequence were continued?


PROBLEM FIGURES
116.

117.

118.

119.

120.


## ANSWER FIGURES



A B
C
D
E


A B C D E
ANSWER FIGURES




Directions (121-130) : Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any--will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is E .. (Ignore errors of punctuation, if any).
121. The party witnessed A./the city's elite fashionably dressed, B./adding charm and glamour C./to the New Year's Eve bash. D./ No error E.
122. Hundreds of passengers was A./stranded in the bitterly cold national capital B./ as dense fog led to numerous C./ flight cancellations and train delays. D./ No error E.
123. If you do intellectual labour continuous A./for hours together, you will feel tired B./ and that tiredness will not only be C./ of the mind but also of the body. D./ No error E.
124. Sounding more relaxed than Al she did in the past, the actress B./ took time off from a very special C./ family gathering and attends the function. D./ No error E.
125. China's manufacturing industry expanded A./at the fastest pace in 20 months, B./and cementing the recovery C./ in the world's third-biggest economy. D./ No error E.
126. The actor has revealed A./that he use to throw himself B./ down the staircase during Christmas C./ to prove to his family that he was funny. D./ No error E.
127. Repeated attempts as well as A./ threats to commit suicide could B./ amount for "cruelty", and can C./very well be grounds for seeking divorce. D./No error E.
128. The great Indian Diaspora shows A./ signs of coming a full circle, B./ with tens of thousands of immigrants C./ flocking back on the motherland. D./ No error E.
129. Companies are keeping A./ their fingers cross and B./ wishing that the tax concessions they had received $C$./ last year continue in the new year. D./ No error $E$.
130. Some manufactures are concerned A./ that cheap Chinese goods may flood their markets, B./ making it more difficult C./ for them to retain local market shares. D./ No error E.

Directions (131-135) : In the following questions, the symbols $0,{ }^{*}$, @, \$ and © are used with the allowing meanings illustrated.
' P @ Q ' means ' P is neither smaller than nor equal to Q '.
'P8 Q' means ' $P$ is neither greater than nor equal to $Q$ '.
' $P$ * $Q$ ' means ' $P$ is not greater than $Q^{\prime}$ '.
'P © Q' means ' $P$ is not smaller than $Q$ '.
' $P \$ Q$ ' means ' $P$ is neither greater than nor smaller an $Q$ '.
In each of the following questions assuming the given statements to be true, find out which of the conclusion I, II, III and IV given below them is/are definitely true.

## 131. Statements : M © K, K * D, D @ J, J 8 T

Conclusions: I. T @ D
II. J 8 K
III. M @ D
IV. K 3 T
A. None is true
B. Only I is true
C. Only II is true
D. Only III is true
E. Only IV is true
132. Statements: R@D, D@M, M\$W, W*H
Conclusions: I. R @ W
II. W 8 D
III. H@M
IV. H \$ M
A. Only I and II are true B. Only either III or IV are true
C. Only either III or IV and I are true
D. Only either III or IV and II are true
E. Only either III or IV and I and II are true
133. Statements: H @ F, F © T, T \$ R, R 8 K
Conclusions: I. R * F
II. $\mathrm{H} @ \mathrm{R}$
III. K@H
IV. K @ T
A. Only I and II are true
B. Only I, II and III are true
C. Only I, II and IV are true
D. Only II, III and IV are true
E. All I, II, III and IV are true
134. Statements: K O B, B * N, N @ V, V © Z
Conclusions: I. K 8 V
II. Z 8 N
III. N@K
IV. Z @ B
A. Only I and II are. True
B. Only II and III are true
C. Only III and IV are true
D. Only II, III and IV are true
E. None of these
135. Statements : J * R, R \$ N, N 8 W, W @ K
Conclusions: I. K 0 N
II. J 0 K
III. N \$J
IV. N @ J
A. None is true
B. Only I and II are true
C. Only I and III are true
D. Only II and III are true
E. Only either III or IV is true
136. The ratio between the length and the area of a rectangular field is $1: 30$ respectively. The perimeter of the field is 150 meters. What is the length of that rectangular field?
A. 30 meters
B. 15 meters
C. 45 meters
D. Data inadequate
E. None of these
137. The average of three numbers $A$, Band $C$ is 30 more than the first number. What is definitely the highest of these numbers?
A. 45
B. 90
C. 120
D. Data inadequate
E. None of, these
138. Mohan spends twenty percent of his monthly income on food articles, thirty per cent of the remaining on transport and spends fifty percent of the remaining after spending onfood and transport on other articles. If the difference between the amount spent by him on food and transport is Rs. 2400/-. How much did he spend on other articles?
A' Rs. 24,600/-
B. Rs. 18,600/-
C. Rs. 26,000/-
D. Data inadequate
E. None of these
139. P's present age is 4 years more than $Q$ 's age after six years. The sum of the present ages of $P$ and $Q$ together is 70 years. What is the present age of $Q$ ?
A. 32 years
B. 30 years
C. 34 years
D. 40 years
E. None of these
140. In how many different ways can the letters in the word CRATER be arranged?
A. 720
B. 180
C. 120
D. 1440
E. None of these

Directions (141•150) Study the following .information carefully and answer the questions given below it.
Following are the conditions for admitting students to a Postgraduate Programme in Financial Analysis.
The candidate must-
(I) have secured at least 60 per cent marks in standard XII.
(ii) be a commerce graduate with at least 55 per cent marks.
(iii) have post qualification work experience of at least two years- in an organization.
(iv) have secured at least 45 per cent marks in the entrance examination.
(v) have secured at least 40 per cent marks in the selection interview.
(vi)' be able to pay Rs. 2,00,000/- towards annual fees at the time of admission.

In the case of a candidate who has satisfied all the conditions EXCEPT-
(A) at (ii) above but has successfully completed Cost Accountancy or Chartered Accountancy, the case is to be referred to the Dean.
(B) at (vi) above but can pay at least Rs. $1,20,000$ / - at the time of admission and the remaining amount within six months of admission, the case is to be referred to the Director.

In each question below details of one candidate are given. You have to take one of the following courses of action based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to as on 1.02.2010.
Mark answer A. if the candidate is not to be admitted.
Mark answer B. if the candidate is to be admitted.
Mark answer C. if the case is to be referred to the Dean.
Mark answer D.if the case is to be referred to the Director.
Mark answer E. if the data provided are not adequate to take a decision .
141. Sohan Khera has secured $5^{\sim}$ per cent marks in B.Com. and 68 per cent marks in standard XII. He can pay Rs. $2,00,000 /-$ at the time of admission. He has also secured 50 per cent marks in both the entrance examination and selection interview. He has been working in an organization for the past three years after completing his graduation.
142. Sulekha Maitra has been working for the past four years after completing her graduation with 75 per cent marks. She has secured 70 per cent marks in standard XII. She has also secured 55 per cent marks in both entrance examination and selection interview. She can pay Rs. 2,00,000/- at the time of admission.
143. Anjan Srivastava has secured 70 per cent marks in standard XII. He can pay Rs. $2,00,000 /-$ at the time of admission. He has secured 50 per cent marks in B.Com. and has also successfully completed his Cost Accountancy course. He has secured 50 per cent marks in the entrance examination and40 per cent marks in the selection interview. He has been working for the past two years after completing his Cost Accountancy course.
144. Abhinav Gupta has secured 55 per cent marks in B.Com. and 65 per cent marks in standard XII. He has been working for the past three - ears in an organization after completing his graduation. He can pay Rs. 1,50,0001- at the time of admission and the remaining amount within three months of admission. He has secured 45 per cent marks in the entrance examination and in selection interview.
145. Suhas Rastogi has been working in an organization for the past four years after completing his B.Com. with 60 per cent marks. He has also secured 40 per cent marks in the entrance examination and 45 per cent marks in the selection' interview. He has secured 68 per cent marks in standard XII. He can pay Rs. 2,00,0001- at the time of admission.
146. Neha Shukla has secured 65 per cent marks in standard XII and 50 per cent marks in both the entrance examination and selection interview. She has been working in an organization for the past three years after completing her B.Com. with 54 per cent marks. She can pay Rs . .2,00,0001- at the time of admission. She has no additional qualification.
147. Sudha Kapse has been working in an organization for the past three years after completing her B.Com. with 58 per cent marks She can pay Rs. $2,00,0001$ - at the time of admission. She has secured 45 per cent marks in $\mathrm{t}^{\sim}$ entrance examination and 40 per cent' marks in the selection interview. She has secured 72 per cent marks in standard XII.
148. Navin Ghosh has been working for the past two years in an organization after completing his B.Com. with 65 percent marks. He has secured 50 per cent marks in the entrance examination and 45 per cent marks in the selection interview. He can pay Rs. 2,00,0001- at the time of admission.
149. Arun Jadhav has secured 68 per cent marks in standard XII. He has been working in an organization for the past three years after successfully completing his Chartered Accountancy. He has secured '53 per cent marks in B.Com. and 45 per cent marks in both entrance examination and selection interview. He can pay Rs. 2,00,0001- at the time of admission.
150. Joseph Abraham has been working 'in an organization for the past four years after successfully completing his B.Com. with 6Q' per cent marks. He can pay Rs. 1,40,0001- at the time of admission and the remaining amount within five months. He has secured 69 per cent marks in standard XII. He has also secured 48 per cent marks in the entrance examination and 42 per cent marks in the selection interview.

Directions (151-160) : In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

One of the most discussed effects of global warming is the increased rate of sea level rise. The rise is primarily due to higher temperatures, which 151$\}$ sea levels in two ways. First, if temperatures rise, water gets $\{152\}$, causing it to expand, Second, the heat 153$\}$ ice sheets, caps, and glaciers, causing melted water to (154\} into the oceans.

Coastal wetlands are 155 \} ecosystems in the biosphere. They support a combination of oceanic species and land species--.:everything from seagulls to striped bass. They form a "transition zone", where salt and freshwater fish species like the trout can (156) from rivers and streams to the sea. However, rising sea levels are threatening these key habitats. As ocean levels rise, erosion 157\} on the shore. As wetlands depend on solid ground for cattails and other aquatic plants to grow, the removal of earth can be devastating. Researchers suggest that by 2080 almost $33 \%$ of wetlands will be 158$\}$ into open water. Most aquatic animal and plant species are highly (159) to salinity levels in their water. As sea levels rise, 'they flood low-lying freshwater marshes and lakes, making them partially saline. This can kill and (160) many native species. The Florida Everglades, for example, are in danger of become salty due to the encroachment of the Atlantic Ocean. This would devastate the rich plant and animal life of the Everglades.
151. A affect
B. alters
C. regulate
D. changes
E. effect
152. A. cooler
B. higher
C. warming
D. cleaner
E. hotter
153. A. creates
B. melts
C. sets
D. prepares
E. brings
154. A. Stuff
B. mend
C. Trickled
D. flow
E. wash
155. A. Key
B. short
C. smallest
D. rough
E. trivial
156. A. sift
B. send
C. Journey
E. travel

| 157. A. matters | B. occurs |
| :--- | :--- |
| C. happens | D. takes |
| E. stops |  |


| 158. A. convert | B. shoved |
| :--- | :--- |
| C. transformed | D. upgraded |
| E. made |  |

159. A. accepting
B. dependant
C. averse
D. sensitive

## E. adaptable

160. A. Store
B. extinguishing
C. obliterate
D. sell
E. nurture

Directions (161-165) In each question below is given a statement followed by three courses of action numbered (A), (B) and (C). A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. On the basis of the information given in the statement, you have to assume everything in the statement to be true, then assume everything in the statement to be true, then assume everything in the statement to be true, then courses of action logically follow( s) for pursuing.
161. Statements : There have been five accident cases in the city during last three days due to driving under the influence of alcohol in which six people have lost their lives and many more were injured.

## Courses of action:

(A) All those who are found driving vehicles after consuming alcohol should be awarded stringent punishment.
(B) The traffic police department should put up huge signboards on all the major roads in the city advising citizens of the dangers of driving under the influence of alcohol.
(C) The traffic police should, check each and every car driver throughout the day and night to identify those who are driving after consuming alcohol.
A Only (A)
B. Only (B)
C. Only (C)
D. Only (A) and (B)
E. None of these
162. Statements: A large number of students lost a considerable amount of their valuable time while taking the on-line admission test of prestigious technical schools in the country due to technical glitches and Were not compensated for the lost time.

## Courses of action :

(A) The technical school authorities should cancel the entire on-line admission testing process and conduct the examination again.
(B)The technical school authorities should identify all those who were disadvantaged due to technical glitches and call them for a re-examination on a separate date.
(C) The Govt, should ask the technical school authorities to conduct the admission test offline from next year onwards.
A. Only (A)
B. Only (B)
C. Only (C)
D. Only (B) and (C)
E. None of these
163. Statements: Uncontrolled quarrying activity in the neighbourhood has caused many landslides and also cracks to develop in some buildings in the area which has caused hardship to all the people living in the area.

## Courses of action :

(A) The Govt. should immediately issue notices to all concerned to stop quarrying activity in the area till further instructions.
(B) Those who are responsible for quarrying should immediately be arrested and put behind bars.
(C) The Govt. should set' up a team of officials to gather all the facts and submit a report-which will enable the Govt. to take an' appropriate decision in this regard.
A. Only (A)
B. Only (B)
C. Only (C)
D. Only (A) and (C)
E. None of these
164. Statements: Avery large number of devotees are expected to visit the shrine located on the busy city road on Tuesday which happens to be a very auspicious day.
Courses of action :
(A) The traffic department should block all the roads leading to the shrine for vehicles' for Tuesday.
(B) The Govt. should deploy armed forces in the area to tackle the huge gathering.
(C) The traffic department should regulate vehicular movement in the area by restricting the flow of vehicles in only one direction for certain periods on Tuesday.
A. Only (A) and (B)
B. Only (B) and (C)
C. Only (A) and (C)
D. All, (A), (B) and (C)
E. None of these
165. Statements: Four hard core criminals escaped by hoodwinking the security guards while being escorted by policemen from jail to the courthouse.

## Courses of action :

(A) The local police authority should immediately alert all its stations and checkposts giving the details of the absconding criminals.
(B) All the policemen and security guards escorting the criminals should be detained for questioning and details should be obtained from them.
(C) The police department authority should immediately send out a search team to all the possible hideouts of criminals in the city.
A. Only (A) and (B)
B. Only (A) and (C)
C. Only (B) and (C)
D. All (A), (B) and (C)
E. None of these

Directions (166-170) : Study the following table carefully and answer the questions given below: Number of Applicants for admission to five management institutions over the years
(Numbers in Thousands)

| Institute > <br> Years v | A | B | C | D | E |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{2 0 0 1}$ | 32 | 11 | 42 | 17 | 19 |
| $\mathbf{2 0 0 2}$ | 18 | 9 | 28 | 15 | 21 |
| $\mathbf{2 0 0 3}$ | 12 | 12 | 34 | 12 | 24 |
| $\mathbf{2 0 0 4}$ | 24 | 14 | 37 | 16 | 28 |
| $\mathbf{2 0 0 5}$ | 28 | 17 | 31 | 18 | 31 |
| $\mathbf{2 0 0 6}$ | 30 | 13 | 29 | 21 | 35 |

166. For which Institute was there a continuous increase, in number of applicants over the years?
A. A
B. B
C. C
D. D
E. E
167. In which year was the per cent increase/ decrease in number of applicants the highest from 'the previous 'year for Institute C?
A 2002
B. 2003
C. 2004
D. 2005
E. 2006
168., The total number of applicants for all the years together, was minimum for which Institute?
A. A
B. D
C. C
D. B
E. E
168. What was the difference in the total number of applicants for institute E in 2003 and 2004 together and the total number of applicants for institute A in 2005 and 2006 together?
A. 6,000
B. 600
C. 12,000
D. 8,000
E. None of these
169. The number of applicants for Institute D in 2004 was approximately what percentage of number of applicants for institute C in 2001?
A. 32
B. 26
C. 38
D. 28
E. 30
170. Cause: The Reserve Bank of India has recently increased its lending rates to banks with immediate effect.
Which of the following can be a possible effect of the above cause?
A. Banks will increase their lending rates with immediate effect
B. Banks will decrease their lending rates with immediate effect
C. Banks will stop sanctioning retail loans with immediate effect
D. Banks will stop sanctioning corporate loans with immediate effect
E. None of these
171. Effect: A huge truck overturned, on the highway, while negotiating a slippery patch, blocking the movement of vehicles.
Which of the following can be a probable cause of the above effect?
A. People living on either side of the highway gathered around the truck to look for the driver of the truck.
B. Last night some oil fell on' the highway at the spot due to a faulty valve of an oil tanker.
C. The truck driver jumped out of the truck just before it overturned.
D. The traffic police had stopped the truck for carrying extra load.
E. None of these
172. Cause: Many printing errors and also ambiguity in questions were reported by' the students taking the final semester Accountancy paper of the B.Com. examination of the university. Which of the following can be a possible effect of the above cause?
A. All the students taking the Accountancy paper of final semester B. ${ }^{\sim}$ om. examination will be declared successful irrespective of the marks obtained by them.
B. The Govt. will ask the Controller of Examinations to proceed on leave.
C. The university will appoint an expert to identify the problem and suggest remedial action.
D. The students will not appear in the examination of remaining papers.
E. None of these
173. Statement: A recent study has reported that heavy snoring helps in burning calories and therefore can be considered a good health condition.
Which of the following contradicts the findings' reported in the above statement?
A. Majority of the people who snore feel sleepy throughout the day resulting in laziness.
B. Many people suffering from heavy snoring are found to be fitter than others.

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C. Snoring generally helps a person get good sleep.
D. Heavy snoring among children is rare
E. None of these
175. Statement: Many people are of the opinion that there should be only two language papers for students upto class $X$ which will help them learn the languages in a better way.
Which of the following supports the opinion expressed in the above statement?
A. Majority of the students studying three languages in SSC have also scored very high marks in all the three language papers.
B. Students generally prefer to study more language papers than other subjects.
C. Students never complain about attending language classes
D. Many students in the past could not secure a higher overall percentage in SSC due to their poor performance in some language papers.
E. None of these

Directions (176-180) : Study the following tables carefully and answer the questions given below:
Percentage of final year students (same for Male \& Female) from five different Management Institutes who opted for different Specialisations

| Management <br> Institute | Finance | HR | Marketing | Systems | Operations |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A | 23 | 13 | 34 | 18 | 12 |
| B | 31 | 15 | 26 | 13 | 15 |
| C | 19 | 14 | 36 | 17 | 14 |
| D | 28 | 12 | 35 | 15 | 10 |
| E | 24 | 21 | 31 | 11 | 13 |

Ratio of Male \& Female Students in the Final Year of Five Management Institutes and also Total No. of Students

| Institute | Male | Female | Total |
| :---: | :---: | :---: | :---: |
| A | 5 | 3 | 280 |
| B | 4 | 3 | 315 |
| C | 2 | 1 | 285 |
| D | 6 | 5 | 495 |
| E | 7 | 3 | 430 |

176. How many male students opted for $H R$ in institute $B$ ?
A. 27
B. 34
C. 39
D. Data inadequate
E. None of these,
177. Approximately how many students (both male. and female together) opted for Systems III institute D?
A. 150
B. 175
C. 64
D. 49
E. 86

CETking Challenge - Can you solve all these questions without pen?
178. What is 'the respective ratio between the total female students in institute and total male students in institute E ?
A. 301: 95
B. 19; 100
C. 19: 60
D. 95: 301
E. None of these
179. What was the approximate average percentage of students who opted for Marketing in all the institutions together?
A. 36
B. 38
C. 32
D. 260
E. 28
180. Approximately, what was the total of the number of male students who opted for Finance in institute A and total number of students who opted Systems in Institute Ct
A. 105
B. 85
C. 90
D. 88
E. 94

Directions (181.183) : Study the following information carefully mid answer the questions given below:
The revival in primary markets in India has once again made merchant bankers the most soughtafter class of market intermediaries. Seeing intense capital raising by companies and several effective investments and acquisition deals, there is a rush among foreign and domestic financial services institutions to commence merchant banking services, an activity which has been fairly dormant over the past two years.
181. Which of the following is an inference which can be drawn from the above paragraph?
A. Merchant banking is a relatively new concept in India .
B. Merchant banking activities in India have been low key during the past few years
C. Primary markets in India have stopped attracting foreign investments.
D. The Govt. of India encourages foreign direct investment
E. None of these
182. Which of the following is a conclusion which can be drawn from the above paragraph?
A. India at present is a preferred destination for foreign direct investment
B. The extent of foreign direct investment in India is the highest at present.
C. Domestic financial services institutions are not equipped to carry out Merchant banking activities.
D. Indian merchant banking units are the best in. the world.
E. None of these
183. Which of the following is an assumption which is implicit in the above paragraph?

A The capital requirement in the financial market is expected to slow down
B. Domestic financial companies may refrain from further investment commitments.
C. The need for capital in India's financial markets may. grow substantially during the coming years.
D. India is capable of sustaining industrial growth
E. None of these

Directions (184.188) : Study the following graph carefully and answer the questions given below: Percentage of students passed in Arts, Science and Commerce streams of a college over the years

184. Approximately what was the • average pass percentage of Commerce students over the years?
A 65
B. 80
C. 70
D. 60
E. 75
185. In which of the given years was the difference in pass percentage between Arts and Science students the maximum?
A. 2003
B. 2004
C. 2005
D. 2007
E. None of these
186. What was the average pass percentage of Commerce and Science students in 2007?
A. 70
B. 80
C. 65
D. 75
E. None of these
187. In which year was the average pass percentage of Arts, Science and Commerce students together the minimum?
A. 2003
B. 2004
C. 2005
D. 2006
E. None of these
188. The pass percentage of Commerce students in 2005 was exactly equal to the pass percentage of Arts students in which of the following years'?
A. 2004
B. 2003
C. 2008
D. 2006
E. None of these

Directions (189-191) Study the following information carefully and answer the questions given below:
The search for safe investment avenues offering regular income begins as one approaches the retirement age. Schemes that offer capital appreciation coupled with security are the most desired. Being guided by such a principle, the Government of India had announced a special scheme in 2004 to cater to such needs of senior citizens. In a short span it became very popular with people, however, attractive rates on bank fixed deposits last year overshadowed the scheme. Now, with falling deposit rates, the scheme could make it to the limelight again.
189. Which of the following is a conclusion which can be made from the above paragraph?
A. At a younger age people do not worry about assured returns on their investments.
B. Govt. desires to help senior citizens earn regular returns on their investments.

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C. Investments in primary markets are not so popular among Indians.
D. Banks are likely to increase the rates on deposits
E. None of these
190. Which of the following is an assumption which is implicit in the above paragraph?
A. After retirement people may settle for regular income on their investments in lieu of their salaries.
B. People generally start investing close to their retirement age.
C. Bank deposits always provide higher interest rates
D. Till 2004, the interest rates on bank deposits were high.
E. None of these
191. Which of the following is, an inference which can be drawn from the above paragraph?
A. The Govt. of India did not announce any deposit scheme prior to 2004.
B. People did not invest in tile special scheme of Govt. of India till very recently.
C. Senior citizens receive higher interest rates from banks.
D. Deposit schemes which cater to appreciation of investments with very little risk of failure attract people nearing their retirement age.
E. None of these

Directions (192-196) : Study the following graph carefully and answer the questions given below:
Production of three types of cell phones by a company over the years (number in lakhs)

192. What was the percentage increase in production of $P$ type cell phones from 200 I to 2002 ?
A 33 ½
B. 50
C. 66 2/3
D. 60
E. None of these
193. What was the average production of all the three types of cell phones in 2001?
A. 18 1/3 lakhs
B. 20 2/3 lakhs
C. 24 lakhs
D. 15 lakhs
E. None of these
194. In which year was the total production of all the three types of cell phones the maximum?
A 2000
B. 2002
C. 2004
D. 2001
E. None of these
195. The production of $P$ type cell phones in 2004 was what percentage of $Q$ type cell phones in 2000?
A 35
B. 150
C. 250
D. 325
E. None of these
196. The total production of $Q$ and $R$ type cell phones in 2003 was' exactly equal to total .production of $P$ and $R$ type cell phones in which of the following years?
A 2002
B. 2004
C. 2000
D. 2000 and 2001
E None of these

Directions (197-199) Study the following information carefully and answer the questions given below:
Indian wheat products are finding no takers in the global market because of the high domestic prices. Only 35,000 tonnes of wheat products have been exported against $6,50,000$ tonnes allowed for exports. Wholesale wheat prices were at least Rs, 2,000/- per tonne higher than the global prices In June last year, the government had removed the two-year old export ban on wheat products in order to clear out warehouses which made way for the new crop. States have also been slow at picking Up wheat sold by the centre under the open market scheme because of the high prices, but the food ministry has been hamstrung because it cannot afford to sell at lower than procurement price.
197. Which of the following is an assumption which is implicit in the above paragraph?
A. Indian wheat products are of inferior quality in comparison to' some other countries.
B. State Govts may not purchase wheat produces from the centre at a higher price.
C. Govt. of India may impose ban on exports of wheat products in the near future.
D. Wheat products from India are comparatively cheaper.
E. None of these
198. Which of the following is an inference which can be drawn from the above paragraph?
A. Export of wheat products by India in the international. market last year was all out five per cent of the total quantity allowed for exports.
B. Govt. has decided to lift the ban on Ex of wheat products in the next season.
C. The Majority of farmers have sold their wheat products to Central Govt. establishments.
D. Central Govt. warehouses do not have any spare capacity to procure wheal product during the next season.
$E$. None of these
199. Which of the following is a conclusion which can be made from the above paragraph?
A. The prices of wheat products in the, international market were about Rs. 20,000/- per tonne last year.
B. The Govt. of India may order the state govt, to buy wheat from central Govt. establishments.
C. The farmers may not sell their wheat products to central govt. establishment next year.

D The central govt, warehouses now have capacity to procure new crops from the farmers.
E. None of these
200. Effect; The local suspended all classes and deplored holidays for the next three days. Which of the following can be a probable cause for the above elects?
A. Many students of the local school were diagnosed as suffering from an unidentifiable disease.
B. Parents of students urged the school authority to keep the' school open as their words will miss many classes.
C. The majority of teacher decided to attend school on the holidays.
D. School management approached the Local hospital for sending a team of doctors for health cheer up.
E. None of these

