## REASONING

1. In a certain code KINETIC is writ ten as TICDKIN. How is MA CHINE written in that code ?
(1) ENIGMAC (2) INEGMAC
(3) INEGCAM (4) ENIGCAM (5) INEGMCA
2. If 'P' means ' $x$ ', $Q$ ' means ' + ', ' $R$ ' means' ' and 'S' means'+' then 46 R. 12 P 3S 18 Q 9 ?
(1) 13.3
(2) 14
(3) 36.5
(4) 16
(5) 12
3. If each vowel of the word DE FAULTS is changed to the next letter in the English alphabetical series and each consonant is changed to the previous letter in the English alphabetical series, how many alphabets will appear twice in the new formation ?
(1) None
(2) One
(3) Two
(4) Three
(5) Four
4. 'VT is related to 'QO' in the same way as 'MK' is related to $\qquad$
(1) HF
(2) IG
(3) RP
(4) JG
(5) QO
5. How many such pairs of lettens are there in the word RATIONS, each of which has as many let ters between them in the word (in both forward and backward directions) as they have between them in the Enlgish alphabetical series?
(1) None (2) One
(3) Two
(4) Three
(5) More than three
6. The positions of how many digits

- will remain the same if the digits
in the number 35928164 are re arrangedin the ascending order from left to right

| (1) None | (2) One |
| :--- | :--- |

(3) Two
(4) Thfee
(5) More than three
7. There are four bags $\mathrm{T}, \mathrm{S}, \mathrm{V}$ and W, each having diffcrent weight. Bag T is lighter only than $\mathrm{S} . \mathrm{V}$ is lighter than W and W is lighter thanT. Which of the four bags is the lightest?
(1) S
2) $W$
(4) V
(5) Cannot be determined
8. If it is possible to make only one meaningful word with the flrst, flfth, seventh and the eleventh letters of the word 'REC1PRO CATE' which would be the sec ond letter of the word from the left ? If more than one such word can be formed, give X as the an swer. If no such word can be formed, give Z as your answer.
(1) $R$
(3) E
(5) $Z$
9. How many meaningful English words can be made from the let ters EAP, using each letter only once in each word ?
(1) None
(3) Two
(2) One
(5) Four
(4) Three
0. Meghna drives 10 km . towards South, takes a right turn and drives 6 km . She then takes an
other right turn, drives 10 km and stops. How far is she from the starting point?
$\begin{array}{ll}\text { (1) } 16 \mathrm{~km} & \text { (2) } 6 \mathrm{~km} \text {. }\end{array}$ (3) 4 km . (4) 12 km . (5) None of these

Directions (11-15): In each question below are three Statements followed by two conclusions numbered I and II. You have to take the three given Statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three Statements disregard ing commonly known facts.

Give answer (1) if only Conclu

## sion I follows

Give answer (2) if only Conclu
sion II follows
Give answer (3) if either Conclu sion I or Conclusion II follows

Give answer (4) if neither Con clusion I nor Conclusion II follows

Give answer (5) if both Conclu sions I and II follow
11. Statements:

All Jeeps are cars.
All cars are buses Some buses are trucks

## Conclusions:

I. Some jeeps are trucks
II. All jeeps are buses.
12. Statements:

Some balls are rackets.
Some rackets are bats
All bats are nets.
Conclusions:
I. No net is a ball
II. All,rackets are nets
13. Statements:

All Computers printers.
All printers are Staplers
All Staplers are Scanners.
Conclusions:
I. All printers are Scanners.
II. Some Staplers are Computers.
14. Statements:

No drum is a guitar.
All guitars are violins.
Some violins are flutes.
Conclusions:
Some violins are guitars.
I. Some drums are flutes.
15. Statements:

All guns are cannons.
All arrows are cannons.
Some cannons are bows.

## Conclusions:

I. Some guns are arrows.
II. Some arrows are bows.

Directions (16-20) : In the fol lowing questions, the Symbols $@$, © , $\%, \$$ and $-\boldsymbol{k}$ are uscd with the following meaning as illustrated below :

P © Q ' means ' P is either equal to or greater than $Q^{\prime}$.
'P \% Q' means 'P is smaller than Q '.
'P* Q ' means ' P is either equal to or smaller than Q'.
'P@ Q' means 'P is greater than Q '.
'P\$ Q' means 'P is equal to Q'.
Now in each of the following ques tions assuming the given Statements to be true, find which of the two con clusions I and II given below them is/ are deflnitely true ?

Give answer (1) if only Conclu sion $I$ is true.

Give answer (2) if only Conclu
sion II is true.
Give answer (3) if either Conclu sion I or II is true.

Give answer (4) if neilher Con clusion I nor II is true.

Give answer (5) if both Conclu sions I and II are true.
16. Statements:

L* M, M \$ N, N \% K
Conclusions: I. K @ L
II, L * N
17. Statements:

A © B, B @ C, C * D
Conclusions: I. D © B
II. $\mathrm{C} \% \mathrm{~A}$

## 18. Statements:

H \% G, G © $F, F \star E$
Conclusions : I. F \% H
II. G © E

## 19. Statements:

R@ S, S © T, T\$ V
Conclusions: I. ROT

## 20. Statements:

$\mathbf{w}$ * $\mathbf{x}, \mathbf{x} @ \mathbf{y}, \mathrm{Y} \% \mathbf{z}$
Conclusions: I. W \% Y
II. Z@W

Directions (21-25): Study the following information carefully and answer the given questions :

Eight friends L, M, P, Q, R, S, T and $V$ are sitting around a circle fac ing the centre. L sits third to tHe right of $M$ and $L$ sits second to the left of $P$. R and S sit next to each other and none of them is an immediate neigh bour of L. Q sits second to the right
21. Who sits third to the left of V ?
(1) 9
(3) $P$
(3) $P$
(J) None of these
22. Which of the following pairs rep resents the immediate neigh bours of $P$ ?

None of thes
(4) RQ

1 which of the following groups people is the third person sit ting exactly in the middle of the flrst and the second persons ?
(1)
(3)
(5)
(2) MST
(4) MPR
(5) None of these
24. Four of the following five are alike in a certain way based on their positions in the above ar rangement and so form a group. Which is the one that does not belong to that group ?
$\begin{array}{ll}\text { (1) } \mathrm{SQ} & \text { (2) PT } \\ \text { (3) } \mathrm{VR} & \text { (4) MP }\end{array}$
(5) VP
(4) MP
25. Starting from $L$, if all the friends are made to sit in the alphabeti cal order of their names in the
dockwise direction, the positions of how many (except L) will re main unchanged?
(1) None
(2) One
(3) Two
(4) Three
(5) Four

Directions (26-30) : Following
questions äre based on the five three
digit numbers given below :
$\begin{array}{lllll}761 & 548 & 392 & 645 & 249\end{array}$
26. If all the numbers are arranged in descending order from left to right, which of the following will be sum of all the three digits of the number which is second from the right?

| (1) 15 | (2) 18 |
| :--- | :--- |
| (3) 14 | (4) 17 |
| (5) 21 |  |
| What uvill be the resultant if sec |  |
| ond digit of the hightest number |  |
| is divided by first digit of the low |  |
| est number ? |  |
| (1) 1.5 (2) 2 <br> (3) 4 (4) 9 <br> (5) 3  |  | | l |
| :--- |

28. If $\mathrm{T}^{\prime}$ is added to the first digit of every odd number and' 1 ' is sub tracted from first digit of every even number, what will be dif ference between the highest number and the lowest number thus formed?
(1) 569
(2) 413
(4) 512
(3) 453
29. If in each number all the digits are arranged in descending or der from left to right within the number, how many odd numbers will be formed ?
(1) None
(2) One
(3) Two
(5) Four
(4) Three
. The positions of the first and the third digits of each of the num bers are interchanged. What will be the difference between the first and the last digits of the sec ond highest number thus formed?
(1) 9
(3) 4

HS) 3
Directions (31-35) : Study the
following arrangement carefuliy and answer the questions given below:

A Q 2 K F \& E 7 S 9 N M Z \$
\% @VL8*W4 B 35 © U \# C
31. Which of the following is the ninth to the left of the eighteenth from the left end of the above arrange ment?
(1) W W

(5) None of these
32.

How many such odd numbers are there in the above arrangement, each of which is immediately pre ceded by a consonant and also immediately followed by a conso nant?
(1) None (2) One
(3) Two
(4) Three
(5) More than three
33. If all the letters and symbols are dropped from the above arrange ment, which of the following will be the sixth from the left end of the above arrangement?
(1) 7
(2) 8
(3) 3
(4) 6
(5) 4
34. How many such symbols are there in the above arrangement, each of which is immediately preced ed by a number and also imme diately followed by a letter ?
(1) None
(2) One
(3) Two
(4) Three
(5) More than three
35. Four of the following five are alike in a certain way based on their positions in the above arrange ment and so form a group. Which is the one that does not belong to that group?
(1) KE\&
(2) SN9
(3) M6\$
(4) 453

Directions (36-40): In each question below is given a group of number/ Symbol followed by five combinations of letters numbered (I), (2), (3), (4) and (5). You have to find out which of the combinations correctly represents the group of number/symbol based on the following coding System and the conditions and mark the numbers of that combination as your answer.

| Number / Symbol | 2 | © | 8 | \% |  | 5 | @ | \# | \$ | 6 | 9 | 4 | 喵 | 7 | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Letters Code | W | B | F | P | M | C | I | K | A | E | T | Q | H | R |  |

Conditions:
(i) If the first dement is an even number and the last a symbol both these are to be coded as ' $£$ '.
(ii) lf first dement is a symbol and last a perfect Square, the codes for both these are to be inter changed.
(iii) If both flist and last elements are Symbols the codes for both these are to be coded as the code for the last symbol.
36. \#7\%83\$
(1) KRPFUA
(3) ARPFUK
(5) ARPFUA
37.652*8国回
(1) ECWMFH
(3) ECWMFE
(5) £CMWF£
(2) £CWMF£
(4) £CWFM£
38. ©47\$29
(1) TQRAWT
(2) TQAWRB
(4) TQRAWB
QRAWB
39. $5 \$ 246 \#$
$\begin{array}{ll}\text { (1) £AWQE£ } & \text { (2) CAWQEK } \\ \text { (3) KAWQEC } & \text { (4) CAEWQK } \\ \text { (5) KAWQEK } & \end{array}$
(5) KAWQEK
(3) BQRAWT

40. $\star 78 \% 34$
(1) MRFPUQ
(2) QRPUFM
(3) QRFPUM
(4) MRFPUM
(5) £RFPU£

Directions (41-50) : In each of the questions glven below which one the five answer flgures on the right should come after the problem flgures the left, lf the sequence were contlnued ?

42.

45.

46.

48.

49.


NUMERICAL ABILITY
Directions (31-75) : What will come in place of the question mark (?) in the following questions?
51. $6235+43368$ ? + 1347
$\begin{array}{ll}\text { (1) } 5352 & \text { (2) } 5253\end{array}$
(3) 7947
(4) 7497
(5) None of these
52. $624+26 \times 3+110$
$\begin{array}{ll}\text { 4. } 1 \text { (1) } 182 & \text { (2) } 172\end{array}$
(3) 118 (4)
53. $87.34+63.98 \quad 113.65$ ?
$\begin{array}{ll}\text { (1) } 37.57 & \text { (2) } 26.67\end{array}$
(3) 37.67
(4) 35.57
(5) None of these
54. $32 \%$ of $350 \quad 73+$ ?
(1) 49
(2) 39
$\begin{array}{ll} & \text { (4) } 185\end{array}$
(5) None of these
55. $\frac{2}{5}$ of $\frac{7}{9}$ of $(?)=294$
(1) 955
(2) 845
(4) 745
(3) 805
ese
56. $6^{2} \times 5^{2} \quad 545324+$ ?
(1) 669
(2) 579
(3) $459 \quad$ (4) 679
(5) None of these
57. $\sqrt{(7)^{2}+(17)^{2}+(5)^{2}-2}=$ ?
(1) 21
(2) V363
(3) 361
(4) 19
(5) None of these
58. $4 \frac{1}{3}+2 \frac{1}{6}+6 \frac{1}{2}=$ ?
(1) 12
(2) 13
(3) 2 |
(4) $2 \frac{1}{3}$
(5) None of these
59. $76 \%$ of (?) (11) ${ }^{2} \quad 525$
(1) 850
(2) 750
$\begin{array}{ll}\text { (3) } 740 & \text { (4) } 8\end{array}$
(5) None of these
60. $325 \quad(12)^{2}+75 \quad$ (?) $\quad 68$
(1) $\sqrt{18}$
(2) 324
(3) 18
(4) $(324)^{2}$
(5) $\sqrt{314}$
61. $2 \frac{1}{2}$ of $7 \frac{1}{3} \%$ of $870=$ ?
$\begin{array}{ll}\text { (1) } 319 & \text { (2) } 63.8\end{array}$
$\begin{array}{ll}\text { (3) } 169.4 & \text { (4) } 149.5\end{array}$
(5) None of these
62. $68.032 \quad 13.108 \quad 17.096$ ?
$\begin{array}{ll}\text { (1) } 37.628 & \text { (2) } 38.728 \\ \text { (3) } 37.836 & \text { (4) } 38.526\end{array}$
(5) None of these
$\begin{array}{ll}\text { (1) } 3 \frac{1}{2} & \text { (2) } 1 \frac{1}{4} \\ \text { (3) } 2 \frac{1}{2} & \text { (4) } 2 \frac{1}{4}\end{array}$
(5) None of these
75. $\left(3^{2} \times 4^{2} \times 5\right)+36 \quad(?)^{2} 80$
(1) $(100)^{2}$
(2) $\sqrt{10}$
(3) 100
(4) 10
(5) $10 \sqrt{10}$
76. The average speed of a bus is three fifth the average speed of a car which Covers 3250 kms . in 65 hours. What is the average speed of the bus ? (1) 30 kmph (2) 20 krnph (3) $35 \mathrm{kmph} \quad$ (4) 36 kmph (5) None of these
77. A train crossed a platform in 25 seconds. The length of the plat form is 240 metres. What is the length of train ?
(1) 140 metres (2) 200 metres
(3) 180 metres
(4) Cannot be determined (5) None of these
78. Vijay donates blood thrice in two years each Urne 350 ml. How many litres of blood will he do nate in 6 years?
(1) 12
(2) 3.15
(3) 4.5
(4) 6.3
(5) None of these
79. The sum of five consecutive odd numbers is equal to 245 . What is the difference between twice the largest odd number and the smallest odd number ?
(1) 63
(2) 71
(3) 51
(4) 65
(5) None of these
80. Mr. Bagdi purchased an Air Con ditioner for Rs. 12,000 and sold it for Rs. 15,000. What was the profit percentage ?
(1) 25
(2) 35
$\begin{array}{ll}\text { (3) } 20 & \text { (4) } 15\end{array}$
(5) None of these
81. What is the value of three sev enth of 35 per cent of 420 ?
(1) 52
(2) 65
(3) $63 \quad$ (4) 56
(5) None of these
82. Harkamal purchased 8 kgs . of grapes at the rate of Rs. 70 per kg . and 9 kgs . of mangoes at the rate of Rs. 55 per kg. Höw much
amount did he pay to the shop keeper ?
(1) Rs. 1400
(2) Rs. 1505
(3) Rs. 1040
(4) Rs. 1055
(5) None of these
83. If a number is added to two fifth of itself, the value so obtained is 455. What is the number?
(1) 400
(2) 350
(3) 325
(5) None of these
84. The body weight of seven stu dents of a class is recorded as 54 kgs., 78 kgs., $43 \mathrm{kgs}, 82 \mathrm{kgs}$, $67 \mathrm{kgs}, 42 \mathrm{kgs}$, and 75 kgs . What is the average body weight $t>f$ all the seven students?
(1) 69 kgs (2) 63 kgs
(3) 71 kgs . (4) 73 kgs
(5) None of these
85. What will be the Compound in terest accrued on a sum of Rs. 6,500 at the rate of $4 \%$ per annum in 2 years?
(1) Rs. 520.40 (2) Rs. 7,037.20
(3) Rs. 533.40 (4) Rs. 7,030.40
(5) None of these

Directions (86-88): What will
come in place of the question mark (?)
in the following number series ?
86. $9214581 \quad 129$ (?)
(1) 187 (2) 199
(3) 177
(4) 189
(5) None of these
$87.652428 \quad 316 \quad 260 \quad 232$ (?)
(1) 218
(2) 225
(3) 204
(4) 228
(5) None of these
88. $12 \quad 16 \quad 32 \quad 68 \quad 132$ (?)

| (1) 196 | (2) 232 |
| :--- | :--- |
| (3) 276 | (4) 213 |

(3) 276 None of these
89. Ganeshi's monthly income is twice that of Jassi's monthly in come. Two third of Jassi's month ly income is equal to Sukhvin der's monthly income. If Sukh vinder's annual income is Rs. 2.34 lacs what is Ganeshi's monthly income? (In some cas es annual income and in some cases monthly income is given.)
(1) Rs. 14,625 (2) Rs. 29,250
(3) Rs. 58,500 (4) Rs. 28,230
(5) None of these
90. The angles of a triangle are in ratio of $3: 5: 4$ respectively. What is the difference between twice the smallest angle and the second largest angle öf the triangle ?
(1) $25^{\circ}$
(2) $10^{\circ}$
(3) $45^{\circ}$
(4) $30^{\circ}$
(5) None of these
91. One of the angles of a parallelo gram is $42^{\circ}$. What is the sum of half the smallest angle and twice the largest angle of the parallelo gram ?
(1) $256^{\circ}$
(2) $307^{\circ}$
(3) $297^{\circ}$
(4) Cannot be determined
(5) None of these
92. In an examination it is required to get 45\% marks to pass. Jas winder secured 612 mark" and failed by 108 marks. What are the maximum marks of the ex amination?
(1) 1800
(2) 1600
(3) 1700
(4) 1500
(5) None of these
93. If two men or six women or four boys can finish a work in 99 days, then how many days will one man, one woman and one boy together take to finish the same work ?
(1) 54 days
(2) 64 days
(3) 44 days
(4) 104 days
(5) None of these
94. The breadth of a rectangle is half of its length. Also, the length of the rectangle is equal to the radi us of a circle of area 154 sq. cms . What is the perimeter of the rectangle ?
$\begin{array}{ll}\text { (1) } 20.5 \mathrm{cms} & \text { (2) } 22 \mathrm{cms} . \\ \text { (3) } 42 \mathrm{cms} & \text { (4) } 10.5 \mathrm{cms} . \\ \text { (5) None of these }\end{array}$
95. If a number is multiplied by two thlrd of itself the value so obtained is 864 . What is the number?
(1) 46
(2) 34
(3) 36
(4) 44
(5) 38
6. What approzimate value should come in place of the question mark (?) in the following question ? (You are not expected to calcu late the exact value) $9980+49 \times(4,9)^{2} \quad 1130$ ?
(1) 3800
(2) 4500
(3) 2600
(5) 4080
97. In how many different way the letters of word 'REM arranged ?
(1) 720
(2) 60
(3) 360
(4) 180
se
98. A man covered a distance of 180 kms. in 4 hours on a bike. How much distance will he cover on a bicycle in 8 hours if he rides the bicycle at one sixth the speed of the bike ?
$\begin{array}{ll}\text { (1) } 72 \mathrm{kms} & \text { (2) } 54 \mathrm{kms} \text {. } \\ \text { (3) } 84 \mathrm{kms} & \text { (4) } 60 \mathrm{~km}\end{array}$
$\begin{array}{ll}\text { (3) } 84 \mathrm{kms} & \text { (4) } 60 \mathrm{kms} \text {. }\end{array}$
(5) None of these
$\begin{array}{lll}4 & 5 & 13\end{array}$
99. Out of the fractions . and $\frac{2}{3}$, which is the second high
est fraction?
(1) $\frac{1}{2}$
(2) $\frac{5}{14}$
(3) $\frac{4}{9}$
(4) $\frac{3}{4}$
(5) $\frac{2}{3}$
100. The perimeter of a Square is equal to the perimeter of a rectangle of length 30 cms . The area of the rectangle is $360 \mathrm{sq} . \mathrm{cms}$. What is the side of the Square?
(1) 24 cms .
(2) 21 cms .
(3) 42 cms .
(4) 18 cms .
(5) None of these

## GLERICAL APTITUDE

Directions (101-135): In each question below a combination of Name and Address is given in the first column at the left followed by four such combinatibns one each under the columns 1,2,3 and 4 . You have to find out the combination which is exactly the same as the combination in the first unnumbered column. The number of that column which contains that combination is the answer. If all the combinations are different, the answer is (5)

|  | (1) | (2) | (3) | (4) | (5) |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 101. ChotuDona | Chotu Dona | Chotu Dona | Chotu Dona | Chota Dona | None |
| 3A C2 College | 3A C2 College | 3CA2 College | 3A C2 College | 3A C2 College |  |
| Govt. Chawk | Goyt. Chuwk | Govt. Chawk | Govt. Chawk | Govt. Chawk |  |
| 102. Vijay Kumar | Vijay Kumar | Vijay Kumar | Vijey Kumar | Vijay Kumar | None |
| D.A.V.School | D AlV. School | D.V A. School | D.A.V. School | D A.V. School |  |
| Abhoar 343 | Abhoar 343 | Abhoar 343 | Abhoar 343 | Abhaor 343 |  |
| 103. PawanBillu | Pawan Billu | Pawan Billu | Pawan Billu | Pawan Ballu | None |
| RoomNo. 32 | Room No. 23 | Room No. 32 | Room No. 32 | Room No. 32 |  |
| Army Boys Hostel | Army Boys Hostel | Army Boys Hostel | Army Boes Hostel | Army Boys Hostel |  |
| 104. Prem Kumari | Prem Kumari | Prem Kumar | Prem Kumari | Prem Kumari | None |
| BEd. Trainee | BEd. Trainee | BEd. Trainee | BEd.Trianee | BEd. Trainee |  |
| Gurdaspur 59 | Gurdospur 59 | Gurdaspur 59 | Gurdaspur 59 | Gurdaspur 59 |  |
| 105. RahulRoy | RahulRoy | Rahul Roy | Rahul Ray | Rahul Roy | None |
| Ramgarh Road | Ramgahr Road | Ramgarh Road | Ramgarh Road | Ramgarh Road |  |
| Purvanchal 53 | Purvanchal 53 | Purvanchal 35 | Purvanchal 53 | Purvanchal 53 |  |
| 106. ManishJain | Monish Jain | ManishJain | ManishJain | Manish Jaina | None |
| SCo 587/A9 | SCo 587/A9 | SCo 587/A9 | SCo 587/A9 | SCo 587/A9 |  |
| Sector 17 | Sector 17 | Sector 71 | Sector 17 | Sector 17 |  |



142. 861259
(1) TFDEKM (2) TDFEKM
(3) TFDKEM (4) TFKDEM
(5) None of these
143. 519473
(1) KDSZMN
(2) KSDMZN
(3) KDSZNM
(4) KDSMZN
(5) None of these
144. 234786
(1) ESZNMT
(2) ESZTNF
(3) ESZNTF
(4) EZSNMT
(5) None of these
145. 564183
(1) KFZDTC
(2) KFZDTS
(3) KFZSTD
(4) KZFDTS
(5) None of these

Directions (146-150) : Refer to the data in the following table to answer these questions.

Number (in thousands) of Graduates and Post Graduates enrolled in different Universities over the years. ( $\mathbf{G}=$ Graduates, $\mathbf{P G}=$ Post Graduates)

|  | 2003 |  | 2004 |  | 2005 |  | 2006 |  | 2007 |  | 2008 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| University | PG | G | PG | G | PG | G | PG | G | PG | G | PG | G |
| A | 7 | 9 | 8 | 11 | 8 | 12 | 12 | 16 | 16 | 24 | 22 | 27 |
| B | 6 | 11 | 7 | 13 | 11 | 17 | 12 | 18 | 18 | 23 | 24 | 19 |
| C | 10 | 12 | 15 | 18 | 14 | 19 | 13 | 11 | 22 | 21 | 23 | 27 |
| D | 7 | 9 | 9 | 15 | 11 | 13 | 17 | 19 | 22 | 17 | 30 | 31 |
| E | 5 | 11 | 19 | 21 | 21 | 14 | 13 | 21 | 21 | 27 | 27 | 23 |
| F | 8 | 14 | 15 | 16 | 22 | 17 | 23 | 24 | 24 | 29 | 23 | 32 |
| G | 12 | 13 | 15 | 17 | 12 | 14 | 21 | 25 | 29 | 31 | 25 | 34 |
| 146. In which University the number of Graduates enrolled was maxi |  |  |  |  |  | ENGLISH |  |  | LANGUAGE |  |  |  | mum inati in the year 2007 ?

(1) A
(2) C
(3) D
(4) F
(5) None of these
147. What was the difference between the number of Post Graduates enrolled in University D in the year 2008 and the number of Graduates enrolled in University F in the year 2003 ?
(1) 16,000
(3) 1,400
2) 1,600
(5) None of these
148. What was the total number of Post Graduates enrolled in University $G$ in the year 2006 ?
(1) 2,100
(2) 21,000
(3) 2,400
(4) 24,000
(5) Nonle of these
149. Number of Graduates enrolled in University B was highest in which year ?
(1) 2002
2) 2003
(3) 2008
(4) 2007
(5) None of these
150. How much total number of Post Graduates and Graduates together was enrolled in University C in the year 2005 ?
(1) 3,300
(2) 33,000
(3) 4,300
(4) 43,000
(5) None of these

Directions (151-165): 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 an wering some of the questions.

Onceupon a time, there lived a Hon in a forest. A jackal, a crow and a wolf had developed friendship with him. However, all the three had a selfish motive behind this so called friendship. They knew that the lion was the king of the forest and friendship with such a flerce creature would always help them. To meet their selfish ends, they started obeying and were always at the service of the lion.

They didn't have to make any efforts to search for their food, as the lion gave his leftover meals to them. Moreover, they became powerful as they were next to the king of the for est. One day, a camel, who came from some distant land, lost his way and entered the same forest where these friends lived. In the meantime, these three friends happened to pass the same way that the camel was wander ing. When they saw the camel, they realized that he did not belong to their forest. The jackal suggested to his other two friends, "Let's kill and eat him."

The wolf replied, "It is a big animal. We cannot kill him like this. I think, we should first inform our king about this camel." The crow agreed with the wolf s idea. All of them went to meet the lion.

On reaching the lion's den, the jackal approached the lion and said, "Your Majesty, an unknown camel has dared to enter your kingdom withoul your consent. Let's kill him; he could make a nice meal." The lion roared loudly on hearing this and said, What are you saying? The camel has come for refuge in my kingdom. It is unei.h ical to kill him. We should provide him the best shelter. Go and bring him to me." All of them were dispirited to hear these words from the king. They un willingly went to the camel and told him about the lion's desire to meet him. The camel was scared about the stränge offer. He thought that his end had come and in a little while he would become the lion's meal. As he couldn't even es cape, he decided to meet the lion. The selfish friends escorted the camel to the lion's den. The lion welcomed the camel warmly and assured him of a safe stay in the forest. The camel was totally amazed to hear the lion's words. He happily started living with the jack aL the crow and the wolf.

One day, when the lion was hunt ing for food, he had a struggle with a mighty elephant. The lion was badly injured in the struggle and became in capable of hunting for his food. Thus the lion had to sustain without food for days. Due to this, his friends too had to go hungry for days as they totally depended on the lion's kill for their food. But the camel was satisfied graz ing around in the forest.

All the three friends were wor ried and discussed the matter among them. As the jackal, the crow and the wolf had sei their evil eyes on the camel, they met once again and devised a plan to lull the camel. They went to the camel and said, "Dear Friend, you know our king has not eaten anything for many days now. He is unable to hunt due to his wounds and sickness. Under such circumstances, it becomes our duty to sacrifice ourselves to save the lue of our king. Come with us, we will offer our bodies as food for him." The camel didn't understand their plan, but inno cently nodded in favour of it. All of them approached the lion's den.

First of all, the crow came for ward and said, "Your Majesty, I can't see you like this. So please eat me." The lion replied, "I would prefer to die than to perform such a sinful deed." Then, the jackal came forward and said, "Your Majesty, crow's body is too small for your appetite. 1 offer myselfto you, as it is my duty to save your life." The lion politely rejected the offer. As per the plan, now it was the wolf s turn to offer himself to the king. So, the wolf came forward and said, "Your Majesty, jackal is quite small to gratify your hun ger. 1 offer myself for this kind Job. Please, kill me and appease your hun ger." But the Lion didn't kill any of them. The camel, who was watching the whole scene feit reassured of his safety and also decided to go forward and com plete the formality. He marched for ward and said, "Your Majesty, why don't you kill me ? You are my friend. Please allow me to offer you my body." The lion found the offer quite appropriate as the camel himself had offered his body for food. The lion attacked the camel at once, ripped open his body and tore him into pieces. Thylion and his friends feasted on the poor camel for days together.
151. Why could the lion not hunt any more ?
(1) He had become lazy as his friends had provided him with food all the time
(2) There were no animals left in the forest besides his friends
(3) He had injured himself badly in a fight with an elephant
4) He was too old and his bones were weak
(5) None of these
152.
hy were the jackal, the crow and the wolf friends with the tion?
(1) As they got food easily and were also powerful in the li on's presence
2) As the lion was really weak and they could take over the kingship soon
(3) As they loved to hunt along with the lion and he taught them new tricks every time
(4) As there was no other power ful animal in the forest
(5) As they were scared of the lion and had no other alterna tive
153. Why had the camel come to the forest in the flrst place ?
(1) He wanted to meet the lion
(2) He was starving and was look ing for food
(3) He was in search of friends
(4) He lost his way
(5) None of these
154. Why did the camel feel afraid when the lion desired to meet him?
(1) He had breached the lion's secure forest and was sure to be punished
(2) He feit that the lion would eat him
(3) He knew that the lion would ask him to fight with the ele phant
(4) The three friends had told him that the lion wanted to arrest him
(5) None of thes
155. Which of the following can defi nitely be said about the camel in the story?
(A) He was fierce
(B) He was young
(C) He was trusting
(1)Only (A)
(2) Only (A) and (C)
(3) All (A), (B) and (C)
(4) Only (C)
(5) Only (B) and (C)
156. How did the jackal, the crow and the wolf finally manage to eat the camel?
(1)They tricked him into offer ing his body to the lion
(2) They poisoned him
(3) They requested him to be their meal
(4) They killed him as soon as they saw him in the forest
(5) They forced the lion to eat him
157. What made the camel offer his body to the lion?
(1) He feit very sorry for the lion as he had grown thin and weak
(2) He wanted to end his own life
(3) He knew that the lion would die on consuming him
(4) The camel would rather have his body eaten by his friend the lion than an unknown el ephant
(5) Since the lion had rejected the other friends bodies the cam el was sure that the lion would not eat him as well
158. Which of the following eannotbe said about the jackal, the crow and the wolf?
(A) They were sensitive
(B) They were selfish
(C) They were cunning
(1)Only (B)
(2) Only (C)
(3) Only (A)
(4) Only (B) and (C)
(5) Only (A) and (C)
159. Which of the following can be the most appropriate title for the sto
(1) The old lion
(2) The Mighly Elephant
(3) The Selfish camel and the Brave Friends
(4) The lion and the Forest
(5) The Shrewd Friends and the Innocent camel
160. What reason did the lion give for not eating the crow ?
(1) He would prefer to eai the camel
(2) It was wrong to eat friends
(3) The crow was too tiny to be eaten
(4) The crow was not good to taste
(5) He wanted to eat the fox in stead
Directions (161-163): 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.
161. GRATIFY
$\begin{array}{ll}\text { (1)delight } & \text { (2)humour } \\ \text { (3) grateful } & \text { (4) please }\end{array}$
(5) satisfy
162. AMAZED
(1) surprised
(2) emotional
(3) appalled
(4) scared
(5) troubled
163. WORRIED

| (1) angry | (2) concerned |
| :--- | :--- |
| (3) relaxed | (4) annoyed |
| (5) confused |  |

(5) confused

Directions (164-165): Choose the word/group of words which is most opposite in meaning lo the word/ group of words printed in bold as used in the passage.

## 164. APPROPRIATE

| (1) unique | (2) harmful |
| :--- | :--- |
| (3) proper | (4) unsuitable |

(3) proper
(4) unsuitable
(5) vicious

## 165. INNOCENTLY

(1)knowingly (2) offensively
(3) secretly (4) lovingly
(5) blissfully

Directions (166-170) : Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the 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 (5) as the answer.
166. Meena loved to shop and goes
out Trith her friends whenever
she got time.
(1) went outside along
(2) went out with
(3) goes for outing to
(4) go outing and
(5) No correction required
167. Manoj was many better at

Sports than Anurag.
(1) much good than
(2) many good to
(3) much better at
(4) much better than
(5) No correction required
168. It was very dark and Trisha was too scary to go home alone.
(1) too scaring
(2) to scary too
(3) to scare too
(4) too scared to
(5) No correction required
169. Many people not like being if terrupted when they are busy working.
(1) do not like being
(2) do not like
(3) not liking when
(4) no like being
(5) No correction required
170. The crowd loved her Perfor mance and gave her a stand ovation as she left the stage.

- (1) stand ovate
(3) stand the ovation
(4) Standing ovation
(5) No correction required

Directions (171-175): In each question below, a sentence with four words printed in bold type is given. These are numbered as (1), (2), (3) and (4). One of these four words printed in bold may be either wrongly speit or inappropriate in the context of the sentence. Find out the word which is
wrongly speit or inappropriate, if any. The number of that word is your an swer. If all the words printed in bold are correctly speit and also appropri ate in the context of the sentence, mark
(5) i.e. 'All correct' as your answer.
171. Quality (1)/is neveranaccident (2)/ and is always the result of sincere (3)/ effort. (4)/ All cor rect (5).
172. Sharad consoled (1)/ Vijay and asured (2)/ him that his son would return (3)/ home by sunset. (4)/ All correct (5).
173. One of the monkeys was keeping (1)/ a track (2)/ of the things (3) / done by the King's men from a distance. (4)/ All correct (5)
174. The swan lived in a pawned (1)/ and had striking (2)/ golden (3)/ feathers. (4)/All correct (5)
175. The mother and her daugbter (i)/ were happily selling milk which got them enough (2)/ money to leed (3) / a comfortable (4)/ life. All correct (5)
Directions (176-180) Rear
range the following six sentences (A),
$(\mathrm{B}),(\mathrm{C}),(\mathrm{D}),(\mathrm{E})$ and $(\mathrm{F})$ in the proper sequence to form a meaningful para graph; then answer the questions giv en below them.
(A) Ön reaching inside the drum it was disappointed to find noth ing but wood and leather.
(B) One day ajackal was very hun gry and it reached the king's battleground in search of food.
(C) On looking for the source of the noise, it found a war drum near by and mistook it be a huge an imal with lots of food inside it.
(D) With great difficulty it came out of the drum, backed off and crept away to safety laughing at its own judgement.
(E) With great difficulty it pierced the drum and reached inside.
(F) Suddenly, it heard a loud noise and was frightened.
176. Which of the following should be the FIRST sentence after rear rangement?

| (DA | (2) B |
| :--- | :--- |
| (3) C | (4) D |
| (5) E |  |

177. Which of the following should be the SECOND sentence after re arrangement?

| (DA | (2)B |
| :--- | :--- |
| (3) C | (4) D |
| (5) F |  |

178. Which ofthe following should b the THIRD sentence after rear rangement?

| (DA | (2)B |
| :--- | ---: |
| (3)C | (4)D |
| (5)F |  |

(5) F
(2)B

Which ofthe
the FOURTH senten should be arrangement?


Directions (181-190) : Read each sentence to find out whether there is any grammatical error in it. The er ror, 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 (5) i.e., 'No Error'. (Ignore the errors of punetuation, if any).
181. People who intend (1)/ to visit the tourist spots (2)/ are always thrilling (3)/ to see the scenario here. (4)/ No Error (5)
182. In such delicate matters. (1)/ we often go with (2) / his advice as he has (3) / been handling such cas es effectively. (4)/ No Error (5)
183. You should think that (1)/ of all the possibilities (2)/ before you take (3)/ any decision. (4)/ No Error (5)
184. He was too tired that (1)/ he could not cross (2)/ the street even with (3) / the help of a por ter. (4)/ No Error (5)
185. My desire to (1)/ meet the Pres ident (2)/ without prior (3)/ ap pointment. (4)/ No Error (5)
186. Whenever a man attain fame, (1)/ his personal qualities are (2)1 imitated by others who (3)/ are close to him. (4)/ No Error (5)
187. Rivers, mountains and deep for ests (1)/ are the places (2)/ most ly like by (3)/ people living in urban areas. (4)/ No Error (5)
188. When we visited his office (1)/ we found that (2)/ he was sip ping coffee (3)/ with some of his colleagues. (4)/ No Error (5)
189. Forgivingup (1)/thebad habit of smoking, (2)/ use ofchewing gum or (3)/ similar other meth od can be helped. (4)/ No Error (5)
190. Hisobviously reluctance(1)/was viewed seriously by (2)/ his su periors and (3)/ he was suspend ed. (4)/ No Error (5)
Directlons (191-200): 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 ap propriate word in each case.

Clement Atlee became the Prime Minister of England after the Second World War. Winston Churchill who had successfully U91) England and the allies to victory over Hitler was now rejected by the English people at the hustings. Labour Party was (192) to power and Atlee became the Prime Minister. One of his memorable tasks was that he was (193) in granting In dia its freedom. Atlee was born in a well to do (194) but he always had (195) for the poor and the downtrod den. He is known for keeping (196) and Cooperation among his cabinet col leagues. Not that there were no differ ences of opinion (197) his cabinet mem bers, but Atlee, by his (198) nature and positive approach, always man aged to keep them together and had control over them. (199) being sympa thetic to the cause of India, and grant ing India freedom, he (200) many a constructive aclivity for his country loo, like nationalization of some indus tries, and starting national health scheme.
191. (l)isolated
(2) established
(4) marginalized
(5)
192.
(5) led
(1) averse
(3) swept
(5) immune
193. (1) interested (2) instrumental (3) eager (4) reluctant (5) particular
194. (1) class (2) origin
(3) country
(5) Community
195. (1) concem $\quad$ (2) reverence (3) apathy (4) jobs
(5) indifference
196.
(1) assistance (3) harmony (5) conflict
197. (1) among
(3) between (5) with
198. (1) withdrawing
(2) gentle
(3) stubbom
(4) aggressive
(5) docile
199.
9. (1)Although (2)without (3) He (5) after
200. (1) demonstrated (2) imitated (3) bypassed (4) Observation (5) did
(2) conviction
(4) faith
(2) withi
(4) from


## ANSWERS


8. (4)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $R$ | $E$ | $C$ | 1 | P | R | O | C | A | T |
| E |  |  |  |  |  |  |  |  |  | Meaningful Words $\Rightarrow$ ROPE PORE

9. (3) Meaningful Words $\Rightarrow A P E, P E A$ 10. (2)


$$
\text { Required distance }=A D=6 \mathrm{~km}
$$

(11-15) :
(i) All jeeps are cars $\rightarrow$ Universal Affirmative (A-type).
(ii) Some buses are trucks $\rightarrow$ ParHeular Aflirmative (I-type).
(iiil) No drum is a guitar $\rightarrow$ Universal Negative (E-type).
(iv) Some drums are not guitars $\rightarrow$ Parlicular Negative (O-type).
11. (2) All jeeps are cars.

$A+A \Rightarrow A$-type of Conclusion "All jeeps are buses." This is Conclusion 11.
12. (4) Some rackets are bats.

## All bats are nets.

$I+A \Rightarrow$ 1-type of Conclusion "Some rackets are nets."
13. (5) All computers are printers.

All printers are staplers
$A+A \Rightarrow$ A-type of Conclusion "All coputers are staplers." Conclusion Il is Converse of it.

## All printers are staplers.


$\mathrm{A}+\mathrm{A} \Rightarrow \mathrm{A}$-type of Conclusion "All printers are scanners." This is Conclusion 1
14. (1) No drum is guitar.

$E+A \Rightarrow O_{\text {- }}$-type of Conclusion "Some violins are not drums."

All guitars are violins.

Some violins are flutes.
$A+I \Rightarrow$ No Conclusion. Conclusion I is Converse of the second Premise.
15. (4) All guns are cannons.


Some cannons are bows.
$A+1 \Rightarrow$ No Conclusion
(16-20) :

| $\Theta \Rightarrow \geq$ | $\% \Rightarrow<$ | $\leq \leq$ |
| :---: | :---: | :---: |
| $@ \Rightarrow>$ | $S \Rightarrow=$ |  |

16. (5) $L \not M \Rightarrow L \geq M$ $M \leqslant N \Rightarrow M=N$ $\mathrm{N} \% \mathrm{~K} \Rightarrow \mathrm{~N}<\mathrm{K}$
Therefore, $\mathrm{L} \leq \mathrm{M}=\mathrm{N}<\mathrm{K}$

## Conclusions:

I. K © $\mathrm{L} \Rightarrow \mathrm{K}>\mathrm{L}$ : True
II. $\mathrm{L} \star \mathrm{N} \Rightarrow \mathrm{L} \leq \mathrm{N}$ : True
17. (2) $A \subset B \Rightarrow A \geq B$
$B \in C \Rightarrow B>C$
$C \star D \Rightarrow C \leq D$
Therefore, $\mathrm{A} \geq \mathrm{B}>\mathrm{C} \leq \mathrm{D}$
Conclusions:
I. D © $\mathrm{B} \Rightarrow \mathrm{D} \geq \mathrm{B}:$ Not True
II. $C \% A \Rightarrow C<A$ : True
18. (4) $\mathrm{H} \% \mathrm{G} \Rightarrow \mathrm{H}<\mathrm{G}$

$$
\begin{aligned}
& G \oplus F \Rightarrow G \geq F \\
& F \star E \Rightarrow F \leq E
\end{aligned}
$$

Therefore, $\mathrm{H}<\mathrm{G} \geq \mathrm{F} \leq \mathrm{E}$

## Conclusions:

1. $\mathrm{F} \% \mathrm{H} \Rightarrow \mathrm{F}<\mathrm{H}$ : Not True
II. $\mathrm{G} \subset \mathrm{E} \Rightarrow \mathrm{G} \geq \mathrm{E}$ : Not True
2. (5) $R \subset S \Rightarrow R>S$

$$
S \oplus T \Rightarrow S \geq T
$$

$\mathrm{T} \$ \mathrm{~V} \Rightarrow \mathrm{~T}=\mathrm{V}$
Therefore, $R>S \geq T=V$
Conclusiona:
I. $\mathrm{R} \oplus \mathrm{T} \Rightarrow \mathrm{R}>\mathrm{T}$ : True
II. $V \star S \Rightarrow V \leq S: T r u e$
20. (4) $W \star X \Rightarrow W \leq X$
$X$ © $Y \Rightarrow W>Y$
$\mathrm{Y} \% \mathrm{Z} \Rightarrow \mathrm{Y}<\mathrm{Z}$
Therefore, $\mathrm{W} \leq \mathrm{X}>\mathrm{Y}<\mathrm{Z}$

## Conclasions:

1. $\mathrm{W} \% \mathrm{Y} \Rightarrow \mathrm{W}<\mathrm{Y}$ : Not True
II. $Z \circ W \Rightarrow Z>W$ : Not True
(21-25) :
Sitting arrangement

2. (2) $R$ sits third to the left of $V$.
3. (4) $R$ and $Q$ are immediate neighbours of $P$.
4. (3) $T$ is sitting exactly in the middle of $L$ and $V$.
5. (5) Except in VP, in all others. the tirst pers on is sitting third to the right of second person. $V$ is fourth to the left or to the right of $P$.
6. (1)

7. (3) $761>645>548>392>249$ Required sum $=3+9+2=14$
8. (5) Highest number $\Rightarrow 761$ Lowest number $\Rightarrow 249$

$$
\frac{6}{2}=3
$$

28. (1) $761 \Rightarrow 861 ; \quad 645 \Rightarrow 745$;
$249 \Rightarrow 349: \quad 548 \Rightarrow 448$; $392 \Rightarrow 292$ $861-292=569$
29. (2) $761 \Rightarrow 761 ; ~ 548 \Rightarrow 854$ $392 \Rightarrow 932 ; \quad 645 \Rightarrow 654$ $249 \Rightarrow 942$
30. (5) $761 \Rightarrow 167 ; \quad 548 \Rightarrow 845$; $392 \Rightarrow 293$; $645 \Rightarrow 546$; $249 \Rightarrow 942$
Second highest number $\Rightarrow 845$ $8-5=3$
31. (4) 9 th to the left of the 18 th from the left end means 9th from the left end, i.e., S.
32. (2)

Consonant Odd Number Consonant
There is only one such combination : 59 N
33. (5) According to question, the new sequence would be :


34. (3) |  | Number | Symbol |
| :--- | :--- | :--- | Such combinations are :

## $8 \& W: 5 \odot \mathrm{U}^{2}$

35. 


36. (5) \# $7 \% 83$ s $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$ A R P F U A
Condition (iii) is applicable.
37. (2) $652 \star 8 \beta$ $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$ £ C W M F £
Condition (i) is applicable.
88. (4) © 47 \$ 29 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$ T $Q$ R A W B Condition (ii) is applicable.
39. (2) 5 \$ 246 \# $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$ C A W Q E K
40.
$\begin{array}{llllll}\text { (3) } & \star & 7 & 8 & \% & 3 \\ \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow\end{array}$ Q R F P U M Condition (iil) is applicable.
41. (4) In the subsequent figures one leaflet is added behind and in front of the pre existing leaftet(s) alternately. Again, the first or the last leaflet becomes shaded and the design rotates through $90^{\circ}$, $90^{\circ}, 180^{\circ}, 180^{\circ}, 270^{\circ}$. anticlockwise direction.
42. (3) In the subsequent figures re spectively, the first, second, third, fourth, flfth .... side of the hexagon is extended in anticlock wise direction. The line segment moves respectively two and three sides in clockwise direction al ternately and moves outside and inside the hexagon alternately.
43. (2)This problem isbasedon the rule (1) (5) and hence (2) (6).
44. (3) In the subsequent figures all the designs ascend stepwise and descend in one step. In the first step the two designs from the left interchange positions and two designs are inverted. In the second step the two designs from the right interchange posi tions and two designs are invert ed. These two steps are contin ued in the subsequent figures alternately.
45. (2) In the subsequent figares re spectively one curve, one line segment, one line segment and one curve are added in a set $\mathbf{O r}$ der.
46. (1) In each subsequent figure all the designs move one step in anticlockwise direction, the fourth design is replaced with a new design after every two fig ure. In each subsequent figure the third design moves to the first position and two designs get inverted.
47. (3) In each subsequent figure all the designs move one step in clockwise direction, the adjacent designs interchange positions and a new design is introduced behind the pre existing designs.
48. (3) The following changes occur from Problem Figure (1) to (2) :


Similar changes occur from Problem Figure (3) to (4) and from Problem Figure (5) to Answer Fig ure.
Alternately, this problem is based on the rule (1) (5) and hence (2) (6)
49. (5) In each subsequent figure all the designs move in anticlock wise direction and a new design appears at the lower right and the upper left position alter ly
50. (2) From Problem Figure (1) to (2) one curve is inverted. From Problem Figure (2) to (3) all the four curves are inverted. These two Steps are continued in the
4. subsequent figures alternately.
51. (2) $6235+43368 \quad ?+1347$
$>6600 \quad ?+1347$
$\begin{array}{llll}> & 6600 & 1347 & 5253\end{array}$
52. (1)? $=\frac{624}{26} \times 3+110$ $=72+110=182$
53. (3) $?=87.34+63.98-113.65$ $=37.67$
54. (2) $\frac{350 \times 32}{100}=73+$ ? $\Rightarrow 112=73+$ ? $\Rightarrow$ ? $=112-73=39$
55. (5) $? \times \frac{7}{9} \times \frac{2}{5}=294$
$\Rightarrow ?=\frac{294 \times 9 \times 5}{7 \times 2}=945$
56. (4) $36 \times 25=221+$ ? $\Rightarrow 900=221+$ ? $\Rightarrow ?=900-221=679$
57. (4) $?=\sqrt{49+289+25-2}$
$=\sqrt{361}=19$
58. (2) $?=4+\frac{1}{3}+2+\frac{1}{6}+6+\frac{1}{2}$
$=(4+2+6)+\left(\frac{1}{3}+\frac{1}{6}+\frac{1}{2}\right)$
$=12+\left(\frac{2+1+3}{6}\right)$
$=12+1=13$
59. (1) $\frac{? \times 76}{100}-121=525$
$\Rightarrow \frac{? \times 76}{100}=525+121=646$
$\Rightarrow ?=\frac{646 \times 100}{76}=850$
60. (3) $325-144+75=?^{2}-68$
$\Rightarrow 256+68=?^{2}$
$\Rightarrow \boldsymbol{p}^{2}=324$
$\therefore ?=\sqrt{324}=18$
61. (5) ? $=870 \times \frac{22}{3} \times \frac{1}{100} \times \frac{5}{2}$
$=159.5$
62. $(5) ?=68.032-13.108-17.096$ $=37.828$
63. (1) $650 \times \frac{?^{2}}{100}=400+16$

$$
\Rightarrow ?^{2}=\frac{416 \times 100}{650}=64=8^{2}
$$

$$
\Rightarrow ?=8
$$

64. (3) ? $=3232+4343-6565+$ 2121 $=3131$
65. (4) $?=\frac{252}{21 \times 0.5}=24$
66. (2) $25-23=\sqrt{\text { ? }}$
$\Rightarrow ?=2^{2}=4$
67. (1)? $=\frac{220 \times 36}{100}-\frac{140 \times 12}{100}$
$=79.20-16.80=62.4$
68. (3) $?=58+\frac{621}{23}-45$
$=58+27-45=40$
69. (5) $\frac{\left(0.2^{2}\right)^{2}}{(0.2)^{3}} \times(0.2)^{6}=(0.2)^{2}$
$\Rightarrow(0.2)^{4+6-3}=(0.2)^{?}$
$\Rightarrow(0.2)^{7}=(0.2)^{?}$
$\Rightarrow$ ? $=7$
70. (4) $?=\frac{92 \times 7}{8}-63.80$

$$
=80.5-63.8=16.7
$$

71. (1) $\frac{240 \mathrm{C} \times 16.5}{100}=? \times \frac{2}{3}$

$$
\Rightarrow 396=? \times \frac{2}{3}
$$

$$
\Rightarrow ?=\frac{96 \times 3}{2}=594
$$

72. (5) $?=36.934-48+17.449$ $=6.383$
73. (1) $(\sqrt{6}+1)^{2}=?+2 \sqrt{6}$

$$
\begin{aligned}
& \Rightarrow 6+1+2 \sqrt{6}=?+2 \sqrt{6} \\
& \Rightarrow 7+2 \sqrt{6}=?+2 \sqrt{6} \\
& \therefore ?=7
\end{aligned}
$$

74. (3) $\frac{19}{9} \times \frac{21}{19} \times \frac{3}{7}=?-\frac{3}{2}$ $\Rightarrow ?=1+\frac{3}{2}=2 \frac{1}{2}$
75. (4) $\frac{9 \times 16 \times 5}{36}=?^{2}-80$
$\Rightarrow 20+80=?^{2}$
$\Rightarrow ?^{2}=100$
$\therefore ?=\sqrt{100}=10$
76. (1) Tricky Approach

Average speed of car
$=\frac{\text { Distance covered }}{\text { Time taken }}$
$=\left(\frac{3250}{65}\right) \mathrm{kmph}=50 \mathrm{kmph}$
$\therefore$ Average speed of bus
$=\left(\frac{3}{5} \times 50\right) \mathrm{kmph}=30 \mathrm{kmph}$
77. (4) Tricky Approach Speed of train
$=\frac{\text { Length of (train }+ \text { platform) }}{\text { Time taken to cross the platform }}$
The speed of train is unknown. Hence, we cannot get the length of train.
78. (2) Volume of blood donated in 2 years $=(350 \times 3) \mathrm{ml}$.
Volume of blood donated in 6 years $=(350 \times 3 \times 3) \mathrm{ml}$
$=\left(\frac{350 \times 3 \times 3}{1000}\right)$ litre
$=3.15$ litre
79. (5) $x+x+2+x+4+x+6+x+8$ $=245$
$\Rightarrow 5 x+20=245$
$\Rightarrow \therefore:=245-20=225$
$\Rightarrow x=\frac{225}{5}=45$
$\therefore$ The largest number
$=x+8=45+8$
$=53$
$\therefore$ Required difference $=2 \times 53-45=61$
80. (1) Tricky Approach

Profit per cent
$=\left(\frac{\text { S.P-C.P }}{\text { C.P }}\right) \times 100$
$=\frac{15000-12000}{12000} \times 100=25$
81. (3) Required value
$=420 \times \frac{35}{100} \times \frac{3}{7}=63$
82. (4) Required amount
$=$ Rs. $(8 \times 70+9 \times 55)$
$=$ Rs. $(560+495)$
= Rs. 1055
83. (3) Let the number be $x$.
$\therefore x+\frac{2 x}{5}=455$
$\Rightarrow \frac{5 x+2 x}{5}=455$
$\Rightarrow \frac{7 x}{5}=455$
$\Rightarrow x=\frac{455 \times 5}{7}=325$
84. (2) Average weight of student
$=\left(\frac{54+78+43+82+67+42+75}{7}\right)$
$=\left(\frac{441}{7}\right) \mathrm{kg}=63 \mathrm{~kg}$.
85. (5) C.I. $=P\left[\left(1+\frac{R}{100}\right)^{T}-1\right]$
$=6500\left[\left(1+\frac{4}{100}\right)^{2}-1\right]$
$=6500\left[\left(\frac{26}{25}\right)^{2}-1\right]$
$=6500\left(\frac{676-625}{625}\right)$
$=\frac{6500 \times 51}{625}$
$=$ Rs. 530.40
86. (4) The pattern of the numl series is :
$9+1 \times 12=21$
$21+2 \times 12=45$
$45+3 \times 12=81$
$81+4 \times 12=129$
$129+5 \times 12=189$
87. (1) The pattern of the numl series is :
$652-224=428$
$428-112=316$
$316-56=260$
$260-28=232$
$232-14=218$
88. (2) The pattern of the number series is:
$12+2^{2}=16$
$16+4^{2}=32$
$32+6^{2}=68$
$68+8^{2}=132$
$132+10^{2}=232$
89. (3) Sukhvinder's monthly income
$=$ Rs. $\left(\frac{234000}{12}\right)$
$=$ Rs. 19500
$\therefore$ Jassi's monthly income
$=$ Rs. $\left(\frac{3}{2} \times 19500\right)$
$=$ Rs. 29250
$\therefore \quad$ Ganeshi's monthly income $=$ Rs. ( $2 \times 29250$ )
$=$ Rs. 58500
90. (4) Tricky Approach

Sum of three angles of a triangle $=180^{\circ}$
$\therefore 3 x+5 x+4 x=180^{\circ}$
$\Rightarrow 12 x=180^{\circ}$
$\Rightarrow x=\frac{180}{12}=15^{\circ}$
$\therefore$ Required difference
$=2 \times 3 x-4 x=2 x$
$=2 \times 15^{\circ}=30^{\circ}$
91. (3) Tricky Approach

$\therefore$ Required sum
$=\left(2 \times 138+\frac{42}{2}\right)$
$=297^{\circ}$
92. (2) Maximum marks $\times \frac{45}{100}$

$$
\begin{aligned}
& =612+108=720 \\
& \therefore \text { Maximum marks } \\
& =\frac{720 \times 100}{45}=1600
\end{aligned}
$$

93. (5) Tricky Approach

2 men $\equiv 6$ women $\equiv 4$ boys
$\therefore 1$ man $\equiv 3$ women $\equiv 2$ boys
$\therefore 1$ man +1 woman +1 boy
$=\left(2+\frac{2}{3}+1\right)$ boys $=\frac{11}{3}$ boys
$\therefore \mathrm{M}_{1} \mathrm{D}_{1}=\mathrm{M}_{2} \mathrm{D}_{2}$
$\Rightarrow 4 \times 99=\frac{11}{3} \times \mathrm{D}_{2}$
$\Rightarrow D_{2}=\frac{4 \times 3 \times 99}{11}=108$ days
94. (5) Tricky Approach

$$
\pi r^{2}=154
$$

$$
\Rightarrow r^{2}=\frac{154}{\pi}=\frac{154 \times 7}{22}=7 \times 7
$$

$\therefore r=7 \mathrm{~cm}$
$\therefore$ Length of rectangle $=7 \mathrm{~cm}$
$\therefore$ Breadth of rectangle
$=3.5 \mathrm{~cm}$
$\therefore$ Perimeter of rectangle

$$
=2(7+3.5\}=21 \mathrm{~cm}
$$

98. (3) If the number be $x$, then

$$
x \times \frac{2 x}{3}=864
$$

$\Rightarrow x^{2}=\frac{864 \times 3}{2}=1296$
$\therefore x=\sqrt{1296}=36$
96. (1)? $=\frac{10000}{50} \times 5 \times 5-1130$

$$
\approx 3870
$$

$\therefore$ Required approximate answer $=3800$
97. (3) The word REMAKE consists of 6 letters in which $E$ comes twice.
Required number of arrangements $=\frac{6!}{2!}$

$$
=\frac{6 \times 5 \times 4 \times 3 \times 2 \times 1}{2 \times 1}=360
$$

98. (4) Speed of bike $=\left(\frac{180}{4}\right) \mathrm{kmph}$

$$
=45 \mathrm{kmph}
$$

Speed of bicycle $=\frac{45}{6} \mathrm{kmph}$
$\therefore$ Distance covered in 8 hours

$$
=\left(\frac{45}{6} \times 8\right) \mathrm{km}=60 \mathrm{~km}
$$

99. (5) $\frac{4}{9}=0.44 ; \quad \frac{5}{14}=0.36$
$\frac{1}{2}=0.5 ; \quad \frac{3}{4}=0.75$

$$
\frac{2}{3}=0.67
$$

The second largest fraction
$=\frac{2}{3}$
100. (2) Tricky Approach

Breadth of rectangle
$=\frac{360}{30}=12 \mathrm{~cm}$
Perimeter of rectangle
$=2$ (length + breadth $)$
$=2(30+12)=84 \mathrm{~cm}$
$\therefore$ Perimeter of square $=84 \mathrm{~cm}$
$\therefore$ Side of the square $=\frac{84}{4}=21 \mathrm{~cm}$
136. (4) Alphabetical order of words :
(1) Prams
$\downarrow$
(2) Prance

Pate
(4) Prate
(3) Prawn
5) Prayer
137. (3) Alphabetical order of words :
(l) Killable
$\stackrel{\downarrow}{\downarrow}$ Kilobyte
$\downarrow$
(3) Kilted
4) Kindle
$\downarrow$
(5) Kingdom
138. (2) Alphabetical order of words :
(1) Miller
$\downarrow$
(3) Millet
(2) Million
$\stackrel{\downarrow}{\downarrow}$
$\downarrow$
(5) Mindful
139. (1) Alphabetical order of words :
(5) Tight
$\downarrow$
(2) Tillage
) Tilted
$\downarrow$
(3) Timber
$\downarrow$
(4) Timely
140. (5) Alphabetical order of words :
(1)Source
$\downarrow$
(2) Souring
$\downarrow$
(5) South
(4) Space
$\downarrow$
(3) Span
141. (2) $4 \quad 7 \quad 2 \quad 5 \quad 8 \quad 3$
$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
Z N E K T S
142. (1) $8 \quad 6 \quad 1 \quad 2 \quad 5 \quad 9$
$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
T F D E K M
143. (5) 5 1 199437
$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
K D M Z N S
144. (3) $2 \times 348786$
$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
E S Z N $\uparrow$ F
145. (2) $5 \cdot 6$
$\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
$K \quad \mathrm{~F} Z \mathrm{D} T \mathrm{~S}$
146. (5) The maximum number of,en rolment in Graduate course in the year 2007 was in University G (31.000).
147. (1) Number of Post Graduates enrolled in University D in the year 2008 30,000
Number of Graduates enrolled in University F in the years 2003 14,000 Dlfference 30,000 14,000 16,000
148. (2)Total number of Post Gradu ates enrolled in University G in the years 2006 21,000
149. (4) Number of Graduates enrolled 149. in University B was highest in - the years $2007(23,000)$.
150. (2) Total number of Post Gradu ates and Graduates enrolled in University C in the years 2005 $14,000+19.000$
33,000
151. (3) He had injured himself badly in a fight with an elephant
152. (1) As they got food easily and were also powerful in the lion's presence
153. (4) He lost his way
154. (2) He feit that the lion would eat him
155. (4) Only(C
156. (1) They tricked him into offer ing his body to the lion
157. (5) Since the lion had rejected the other friends bodies the cam el was sure that the lion would not eat him as well
158. (3) Only(A)
159. (5) The Shrewd Friends and the Innocent Camel
160. (2) 1 t was wrong to eat friends
161. (5) The meaning of the word Gratify (Verb) as used in the passage is : to please or satisfy somebody; to satisfy a wish, need etc.

## Look at the sentence : He only gave his consent in Or

 der to gratify her wishes.Hence, the words gratify and satisfy are synonymous.
162. (1) The meaning of the word Amazed (Adjective) as used in the passage is: very surprised Look at the sentence :
We were amazed at her knowl edge of English.
163. (2) The meaning of the word Worried (Adjective) as used in the passage is : thinking about unpleasant things that have hap pened and feeling unhappy; anx ious; troubled
Hence, the words worried and concemed are synonymous.
164. (4) The meaning of the word Appropriate (Adjective) as used in the passage is : suitable, accept able or correct for the particular circumstances.
Hence, the words appropriate and unsuitable are antonymous
165. (2) The meaning of the word Innocent (Adjective) as used in the passage is : not having done something wrong; not intended to cause harm or upsel some body.
The word Offensive (Adjective)
as used in the passage is : con nected with an act of attacking somebody/something; extreme ly unpleasant.
Hence, the words innocently and offensively (Adverb) are antonymous.
166. (2) Here, Simple Past should be used. Hence, went out with should be used.
167. (3) Here, much better at should be used.
168. (4) Here, too scared to should be used.
Look at the sentence
He is too weak to walk.
Ram is too proud to surrender.
169. (1) Here, do not like being should be used.
170. (4) Here, Standing (Adjective) ovation should be used.
171. (5) All correct
172. (2) The correct spelling is : as sured. (5) All colrect
173. (5) All correct
174. (1) The correct spelling is : pond.
175. (3) The correct spelling is : lead.
176. (2) B 177. (5) F
178. (3) C
179. (4) E
180. (3) D
181. (3) Here, V i.e. thrilling should be replaced by thrilled (Adjec tive).
182. (5) No Error
183. (1) The use of that' is super flu ous.
184. (1) Here, too should be replaced by so.
Look at the sentences
He was too weak to walk.
He was so weak that he couldn't walk.
185. (1) Replace My desire to by My desire is to or I desire.
186. (1) Singular subject agrees with Singular verb. Hence, whenever a man attains fame will be a correct usage.
187. (3) Replace mostly like by by liked most by.
188. (5) No Error
189. (4) Here, similar other method can be helpful/useful (Adjective) should be used.
190 (1) Here, His obviously (Adverb) reluctance should be replaced by His obvious (Adjective) reluctance because an Adjective quäl ifies a Noun.
191. (5) led
192., (3) swept
193., (2) instrumenta]

194 (4) family 195. (1) conern
196 (4) faith 197. (1) among
198 (5) docile 199.(1)Allhough 200 (5) did

