

PAST YEAR PAPER (2016)
for
SSC-CGL EXAM



Trusted for Success

Paper - 3
(Tier - 1)

SECTION - I

DIRECTION for questions 1, 2 and 3: Select the related word/letters/number from the given alternatives.

1. Aviator : Aviates :: Senator : ?
1] Diagnosis 2] Legislates 3] Checks 4] Commands
2. ABDG : CDFI :: EFHK : ?
1] GHJM 2] HILN 3] HILN 4] HIKM
3. 26 : 48 :: 82 : ?
1] 125 2] 122 3] 115 4] 120

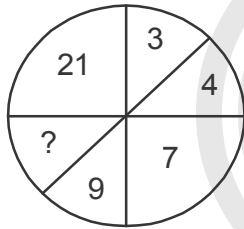
DIRECTION for questions 4 to 6: Find the odd word/letters/number pair from the given alternatives.

4. 1] Cow 2] Buffalo 3] Horse 4] Goat
5. 1] BDFH 2] ACEG 3] IKMO 4] RTVW
6. 1] 93 2] 79 3] 97 4] 89
7. Arrange the following words as per order in the dictionary.
1. Eyelid 2. Eyeless 3. Eyesore 4. Eyesight
1] 2, 1, 4, 3 2] 2, 1, 3, 4 3] 4, 3, 1, 2 4] 4, 2, 3, 1
8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
NOA, PQB, RSC, ?
1] O N M O 2] N O M O 3] M O N M 4] N N M O
9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.
10, 18, 28, 40, ?
1] 58 2] 46 3] 52 4] 54
10. The age of the father 4 years ago was 8 times the age of his son. At present, the father's age is 4 times that of his son. Find the present age of son.
1] 9 years 2] 7 years 3] 14 years 4] 18 years
11. Prema is Ajay's sister. Benita is Ajay's mother. Benjamin is Benita's father. Leela is Benjamin's mother. How is Prema related to Leela
1] Daughter-in-law 2] Daughter
3] Grand Daughter 4] Great Grand Daughter

12. From the given alternative words, select the word which cannot be formed using the letters of the given word.

ENCYCLOPEDIA

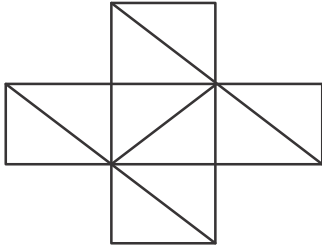
- 1] OPEN 2] PLEASE 3] CANOPY 4] PLEAD
13. If POPULAR is coded as QPQVMBS then FAMOUS will be coded as?
- 1] GBNPUT 2] GNBPTV 3] GBNPVS 4] GBNPVT
14. If $1 \times 3 \times 5 = 1925$ and $7 \times 9 \times 11 = 4981121$, then find the value of $19 \times 21 \times 23 = ?$
- 1] 361529441 2] 361441289 3] 441361289 4] 361441529
15. If – stands for division, + for multiplication, ÷ for subtraction, × for addition, then which of the following equations is correct?
- 1] $20 - 4 + 6 \div 9 \times 4 = 25$ 2] $20 + 6 - 4 \times 9 \div 6 = 32$
 3] $20 \div 9 \times 9 - 4 + 6 = 33$ 4] $20 \times 4 - 6 - 4 + 9 = 20$
16. Find the missing number



- 1] 15 2] 12 3] 11 4] 16
17. P, Q, R and S are playing a game of carrom. P, R and S, Q are partners. 'S' is to the right of 'R'. If 'R' is facing West, then 'Q' is facing which direction?
- 1] North 2] South 3] East 4] West
18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.
- Statement: Nutritious food is delicious and good for health. Honey is nutritious.
- Conclusions: I. Honey is good for health. II. Delicious foods are nutritious.
- 1] Only conclusion I follows
 2] Only conclusion II follows
 3] Neither conclusion I nor conclusion II follows
 4] Both conclusion I and conclusion II follow

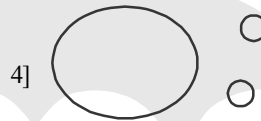
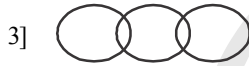
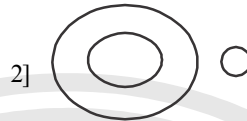
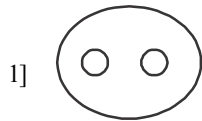
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19. How many triangles are there in the question figure?

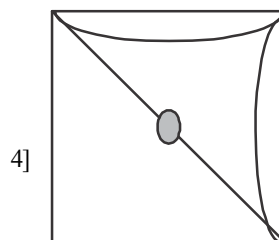
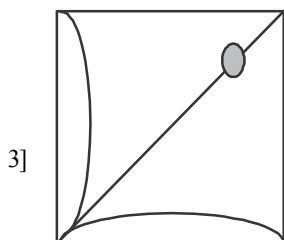
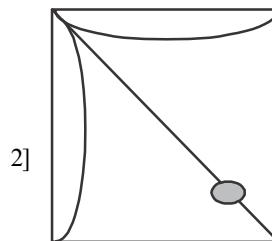
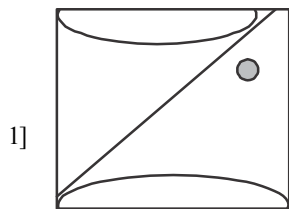
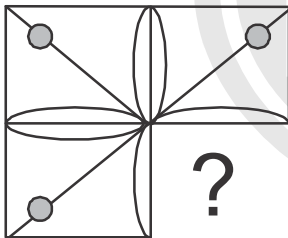


- 1] 10 2] 12 3] 15 4] 16

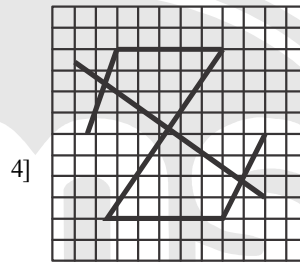
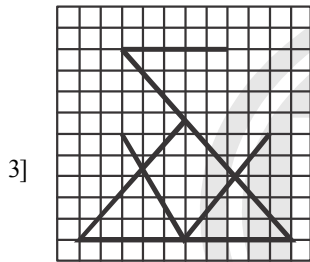
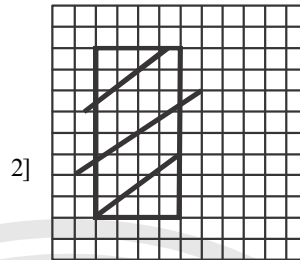
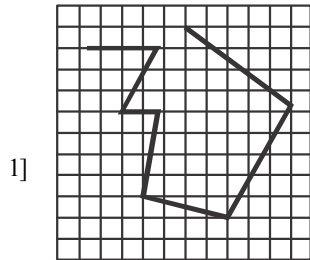
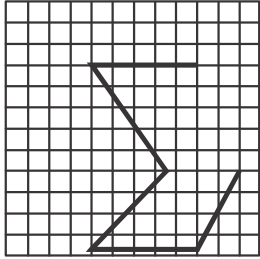
20. Identify the diagram that best represents the relationship among classes given below:
DOCTOR, MAN, ACTOR



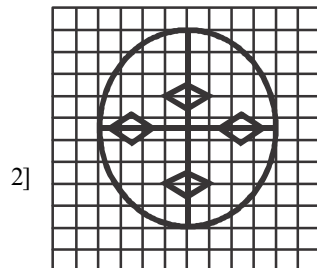
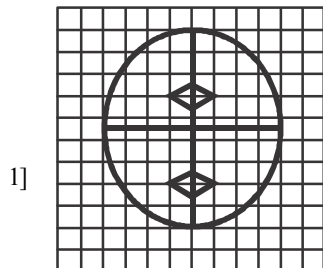
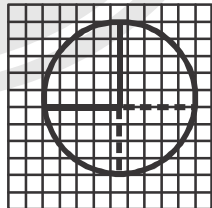
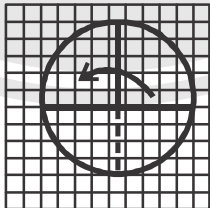
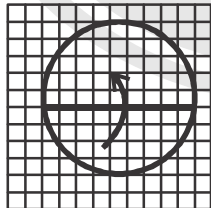
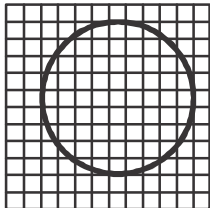
21. Which answer figure will complete the pattern in the question figure?

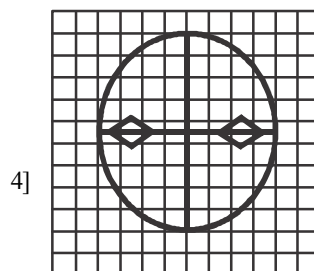
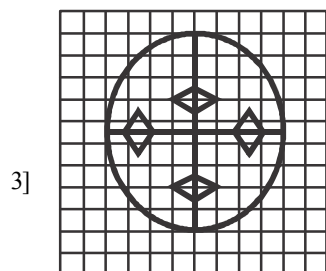


22. From the given answer figures, select the one in which the question figure is hidden/embedded.

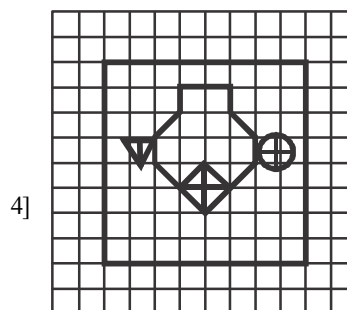
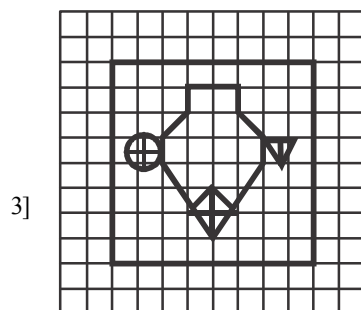
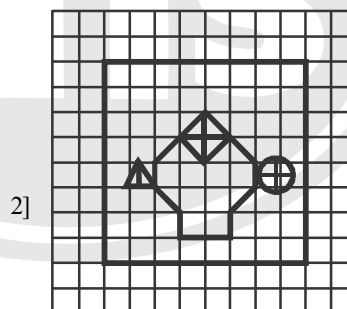
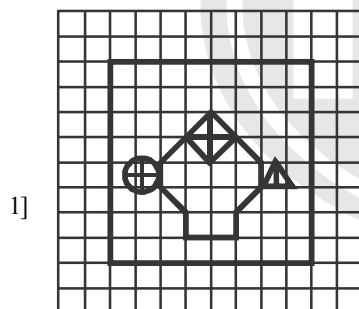
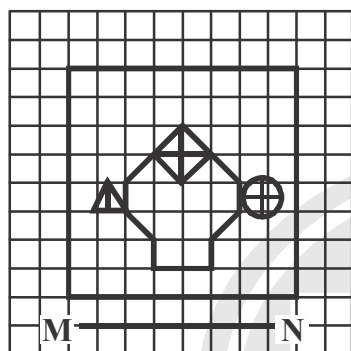


23. A piece of paper is folded and cut as shown in the question figures. From the given answer figures, indicate how it will appear when opened.





24. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



25. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 02, 65, etc., and 'S' can be represented by 56, 68, etc. Similarly you have to identify the set for the word 'RATE'

MATRIX I

	0	1	2	3	4
0	T	R	A	F	E
1	O	C	M	P	O
2	E	S	R	T	A
3	M	A	N	P	C
4	E	T	F	N	R

MATRIX II

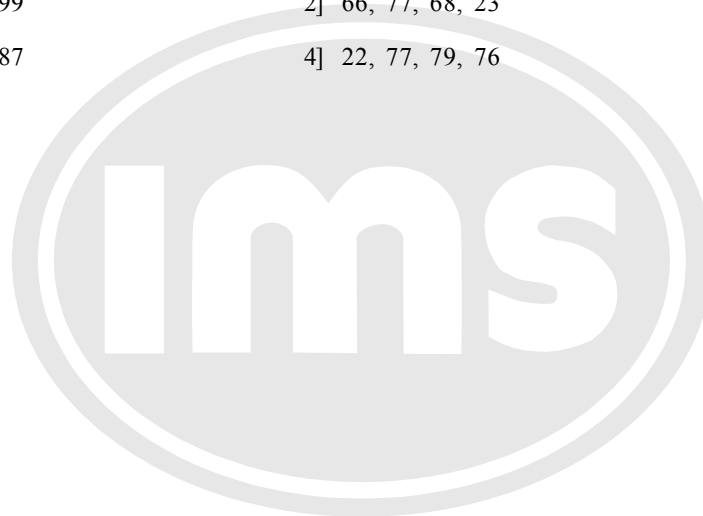
	5	6	7	8	9
5	E	S	A	F	R
6	A	R	O	S	C
7	T	O	E	P	S
8	S	M	T	A	N
9	R	C	T	F	E

1] 22, 24, 75, 99

2] 66, 77, 68, 23

3] 44, 77, 22, 87

4] 22, 77, 79, 76



END OF SECTION - II

37. The prestigious 'Jawaharlal Nehru Award for International Understanding' is instituted by
1] National Centre for Art and Culture
2] Department of Youth and Sports
3] Nehru Memorial Museum
4] Indian Council for Cultural Relations
38. Phosphorus is kept in water because
1] its ignition temperature is very high
2] its ignition temperature is very low
3] its critical temperature is high
4] its critical temperature is low
39. The famous Dilwara temples of Mount Abu are a sacred pilgrimage place for the
1] Buddhists 2] Jains 3] Sikhs 4] Parsis
40. The unit of measurement of noise is
1] Decibel 2] Hertz 3] Amplifier 4] Acoustics
41. The commonly used coolant in refrigerators is
1] Ammonia 2] Nitrogen 3] Freon 4] Oxygen
42. The complete form of 'IC' in electronics is
1] Internal circuit 2] Independent circuit
3] Integrated circuit 4] Inbuilt circuit
43. Who among the following did Gandhiji regard as his political Guru?
1] Mahadev Desai 2] Dayanand Saraswati
3] Acharya Narendra Dev 4] Gopal Krishna Gokhale
44. Which of the following constitutional Amendment Act, deals with the Elementary Education as a Fundamental Right?
1] 84th Amendment Act 2] 85th Amendment Act
3] 86th Amendment Act 4] 87th Amendment Act
45. The World's largest island is
1] Greenland 2] Iceland 3] New Guinea 4] Madagascar

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46. Sea water is saltier than rain water because
- 1] Sea animals are salt producing
 - 2] The air around the sea is saltish
 - 3] Rivers wash away salts from earth and pour them into the sea
 - 4] Sea beds have salt producing mines
47. Pannalal Ghosh played which of the following musical instruments?
- 1] Flute
 - 2] Sitar
 - 3] Violin
 - 4] Santoor
48. Rio Summit is associated with
- 1] Convention on Biological Diversity
 - 2] Green house gases
 - 3] Ozone depletion
 - 4] Wet lands
49. Polyploidy arises due to change in the
- 1] number of chromatids
 - 2] structure of genes
 - 3] number of chromosomes
 - 4] structure of chromosomes
50. Which South Korean author in May 2016 won the 2016 Man Booker International Prize for her novel 'The Vegetarian'?
- 1] Han Kang
 - 2] Yiyun Li
 - 3] Tami Hoag
 - 4] Taya Zinkin

END OF SECTION - II

SECTION - III

DIRECTION for questions 51 to 71: Choose the correct alternative.

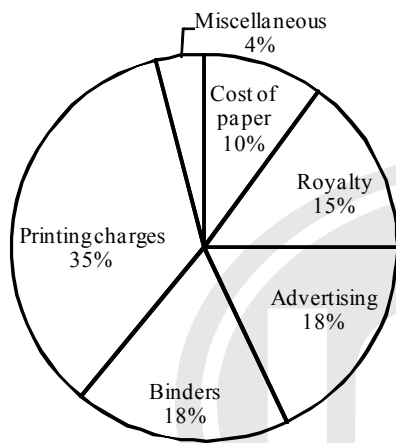
51. A and B together can finish a work in 30 days. They worked for it for 20 days and then B left the work. The remaining work was done by A alone in 20 days more. In how many days can A alone finish the work?
1] 48 days 2] 50 days 3] 54 days 4] Deny
52. The centroid of an equilateral triangle ABC is G. If AB is 6 cms, the length of AG is
1] $\sqrt{3}$ cm 2] $2\sqrt{3}$ cm 3] $3\sqrt{2}$ cm 4] $2\sqrt{2}$ cm
53. A merchant changed his trade discount from 25% to 15%. This would increase selling price by
1] $3\frac{1}{3}\%$ 2] $6\frac{1}{6}\%$ 3] $13\frac{1}{3}\%$ 4] $16\frac{1}{3}\%$
54. If 177 is divided into 3 parts in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{4}{5}$, then the second part is
1] 75 2] 45 3] 72 4] 60
55. If percentage of profit made, when an article is sold for Rs.78, is twice as when it is sold for Rs.69, the cost price of the article is
1] Rs. 49 2] Rs. 51 3] Rs. 57 4] Rs. 60
56. The ratio between Ram's age and Rahim's age is 10:11. What is the age of Rahim in percentage of Ram's age
1] $109\frac{1}{11}\%$ 2] 110% 3] $111\frac{1}{9}\%$ 4] 111%
57. Gautam travels 160 kms at 32 kmph and returns at 40 kmph. Then average speed is
1] 72 kmph 2] 71.11 kmph 3] 36 kmph 4] 35.55 kmph
58. If $x = \frac{3}{2}$, then the value of $27x^3 - 54x^2 + 36x - 11$ is
1] $11\frac{3}{8}$ 2] $11\frac{5}{8}$ 3] $12\frac{3}{8}$ 4] $12\frac{5}{8}$
59. If $a + b + c = 6$ and $ab + bc + ca = 1$, then the value of $bc(b + c) + ca(c + a) + ab(a + b) + 3abc$ is
1] 33 2] 66 3] 55 4] 23

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60. If the angles of a triangle are in the ratio of 2:3:4, then the difference of the measure of greatest angle and smallest angle is
1] 20° 2] 30° 3] 40° 4] 50°
61. In $\triangle ABC$, $\angle A = 90^\circ$, $AD \perp BC$ and $AD = BD = 2$ cm. The length of CD is
1] 3 cm 2] 3.5 cm 3] 3.2 cm 4] 2 cm
62. If $\tan 45^\circ = \cot \theta$, then the value of θ , in radians is
1] π 2] $\frac{\pi}{9}$ 3] $\frac{\pi}{2}$ 4] $\frac{\pi}{12}$
63. $(2^{51} + 2^{52} + 2^{53} + 2^{54} + 2^{55})$ is divisible by
1] 23 2] 58 3] 124 4] 127
64. The average of 12 numbers is 9. If each number is multiplied by 2 and added to 3, the average of the new set of numbers is
1] 9 2] 18 3] 21 4] 27
65. If $\left(a + \frac{1}{a}\right)^2 = 3$, then the value of $a^6 - \frac{1}{a^6}$ will be
1] 1 2] 3 3] 0 4] 2
66. If $\frac{\sqrt{2+x} + \sqrt{2-x}}{\sqrt{2+x} - \sqrt{2-x}} = 2$, the value of x is
1] $\frac{4}{5}$ 2] $\frac{3}{5}$ 3] $\frac{8}{5}$ 4] $\frac{1}{5}$
67. The perimeter of two similar triangles ABC and PQR are 36 cms and 24 cms respectively. If PQ = 10 cm then the length of AB is
1] 18 cm 2] 12 cm 3] 15 cm 4] 30 cm
68. In a $\triangle ABC$, $AB = 8$ cm, $AC = 10$ cm and $\angle B = 90^\circ$, then the area of $\triangle ABC$ is
1] 49 sq.cm 2] 36 sq.cm 3] 25 sq.cm 4] 24 sq.cm
69. ABC is a triangle if $\sin\left(\frac{A+B}{2}\right) = \frac{\sqrt{3}}{2}$, then the value of $\sin\frac{c}{2}$ is
1] $\frac{1}{\sqrt{2}}$ 2] 0 3] $\frac{1}{2}$ 4] $\frac{\sqrt{3}}{2}$
-

70. The compound interest on Rs. 64,000 for 3 years, compounded annually at 7.5% p.a. is
 1] Rs. 14,400 2] Rs. 15,705 3] Rs. 15,507 4] Rs. 15,075
71. The angles of elevation of the top of a temple, from the foot and the top of a building 30 m high, are 60° and 30° respectively. Then height of the temple is
 1] 50 m 2] 43 m 3] 40 m 4] 45 m

DIRECTION for questions 72 to 75: Study the pie-chart given and answer the following questions.



72. If the miscellaneous charges are Rs. 6000, then the advertisement charges are
 1] Rs.12000 2] Rs.27000 3] Rs.90000 4] Rs.25000
73. The central angle of printing charge is x more than that of advertisement charge. Then the value of x is
 1] 72° 2] 61.2° 3] 60° 4] 54.8°
74. What should be the central angle of the sector 'cost of paper'?
 1] 22.5° 2] 54.8° 3] 36° 4] 16°
75. The ratio between royalty and binder's charges is
 1] 5:6 2] 5:8 3] 6:5 4] 8:13

END OF SECTION - III

SECTION - IV

DIRECTION for questions 76 and 77: In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

76. CONTRABAND

- 1] BURGLED 2] SMUGGLED 3] BAFFLED 4] JUGGLED

77. LENIENT

- 1] STRICT 2] SOLID 3] FORGIVING 4] STOIC

DIRECTION for questions 78: Choose the correct alternative.

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

- 1] Scarety 2] Scarcity 3] Scarsity 4] Scarecity

DIRECTION for questions 79 to 81: In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

79. He was(A) / very kind enough (B) / to invite me (C) / No Error(D).

- 1] A 2] B 3] C 4] D

80. Police reports claim that (A) / substantial seizure of cocaine have been made(B) / in the last two months.(C) /No Error(D).

- 1] A 2] B 3] C 4] D

81. Every conceivable race and nationality(A) / had its shared of suffering(B) / in the world wars (C)/No Error(D).

- 1] A 2] B 3] C 4] D

DIRECTION for questions 82 to 84: The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

82. She _____ him angrily because he made the floor dirty with his muddy shoes.

- 1] scold 2] scolds 3] scolded 4] scolding

83. He walked along the road wondering what _____ happened and where all the people had gone.

- 1] had 2] has 3] have 4] it

84. The criminal was _____ lest he should escape.

- 1] fetid 2] fettered 3] fettled 4] feted

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93. ~~It is~~ much too important to be made a joke of
1] too much important 2] too many important
3] very much important 4] No improvement
94. If he wants farther help, send him to me
1] further 2] much 3] best 4] No improvement
95. He jumped on the lake
1] in the 2] into the 3] onto the 4] No improvement

DIRECTION for questions 96 to 100: A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

Some languages are used by a few people. Others, such as Mandarin Chinese and English, are spoken by millions. Many people speak two or more languages. They may use one language at home with family and friends, and another at work or school. Regional variations of language are known as dialects. The Anglo-Saxons, who conquered Britain at the end of the Roman Empire, spoke a Germanic language, which later became English. Other Germanic languages include Danish, Dutch, German and Swedish. English also contains French-derived words after it was ruled by French-speaking kings following the Norman Conquest.

96. Mandarin Chinese is spoken by _____ people.
1] little 2] few 3] few 4] big
97. A person who is good at foreign languages is known as _____
1] Virtuoso 2] Linguist 3] Ventriloquist 4] Scholar
98. _____ are regional variations of a language
1] English 2] Mandarin Chinese
3] Home language 4] Dialects
99. English also included French words _____ the Norman Conquest
1] after 2] prior 3] before 4] during
100. _____ is part of a Germanic language.
1] Britain 2] Anglo-Saxons 3] English 4] Roman Empire

END OF SECTION - IV
