

**PAST YEAR PAPER (2016)**  
*for*  
**SSC-CGL EXAM**



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**Paper - 5**  
**(Tier - 1)**

**SECTION - I**

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

1. Peacock : India :: Bear : ?  
1] Australia      2] America      3] England      4] Russia
2. BDCE : FHGI :: RTSU : ?  
1] VYWX      2] XYVW      3] VWXY      4] VXWY
3. 6 : 5 :: 8 : ?  
1] 2      2] 4      3] 6      4] 10

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

4. 1] Moon      2] Mars      3] Venus      4] Jupiter
5. 1] ACEG      2] IKMO      3] FHJL      4] TUWY
6. 1] 6      2] 24      3] 64      4] 120
7. Arrange the following words according to the dictionary order  
1. Approach      2. Appropriate      3. Approval      4. Approve  
1] acdb      2] abdc      3] cdab      4] abcd
8. A series is given , with one term missing . Choose the correct alternative from the given ones that will complete the series.  
ajs , gpy , ? , sbk , yhq  
1] dmV      2] mve      3] oua      4] qzi
9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.  
5 , 9 , 6 , 11 , 7 , ?  
1] 13      2] 15      3] 17      4] 19
10. Anand is son of Prema . Rajeev is brother of Prema . Neha is daughter of Rashmi . Neha is sister of Rajeev. How is Anand related to Rashmi ?  
1] Son      2] Grand Son      3] Grand father      4] 27 Grand daughter
11. Nikhil is 8 yr younger than his brother Rohan . How old will Rohan be when he is twice as old as Nikhil ?  
1] 4 yr      2] 6 yr      3] 8 yr      4] 16 yr

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

ORGANISATION

- 1] GRANT                      2] NATION                      3] GIANTS                      4] ORANGE
13. If EARTHQUAKE is coded as EKAUQHTRAE then ELECTORATE will be coded as ?
- 1] ETAROELECT                      2] EARTOTCELE  
3] ETAROTCELE                      4] ETAROCTELE
14. If a denotes  $\times$  , b denotes  $\div$  , c denotes  $+$  and d denotes  $-$  , then  $8 a 3 c 24 b 12 d 19 = ?$
- 1] 17                      2] 7                      3] 14                      4] 8
15. Given equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis :

$2 + 4 + 6 = 48$  and

$3 + 2 + 8 = 48$  ,

then  $2 + 5 + 7 = ?$

- 1] 48                      2] 70                      3] 14                      4] 59
16. Select the missing number from the given alternatives

28	20	7
84	35	12
45	?	9

- 1] 19                      2] 22                      3] 26                      4] 25
17. If North is called North west , West is called South west , South is called South east and so on . A person walks straight from South west to North east and then turns left . Walks straight and again turns left . Now at what direction he is facing ?
- 1] South                      2] North east                      3] North                      4] South west
18. In the following question, one or two statement(s) is/are given followed by two conclusions/assumptions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions/assumptions can definitely be drawn from the given statement. Indicate your answer.

**Statement:** Some kings are queens. All queens are beautiful.

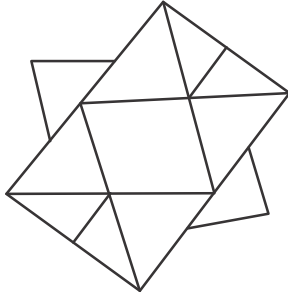
**Conclusions:** I- All kings are beautiful.

**Conclusions:** II- All queens are kings

- 1] Only conclusion I follows                      2] Only conclusion II follows  
3] Either conclusion I or II follows                      4] Neither conclusion I nor conclusion II follows

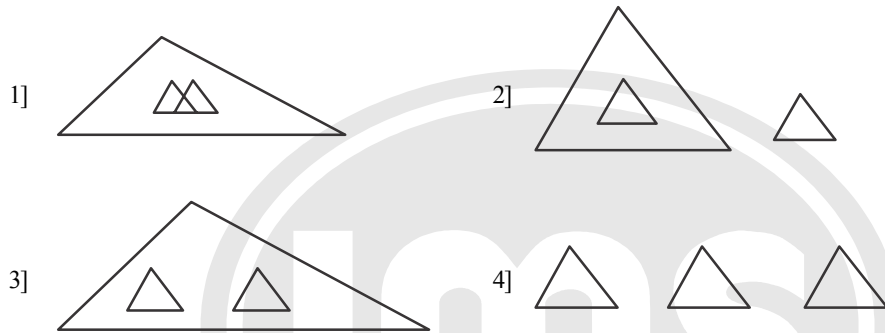
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19. Find the number of triangles in the figure

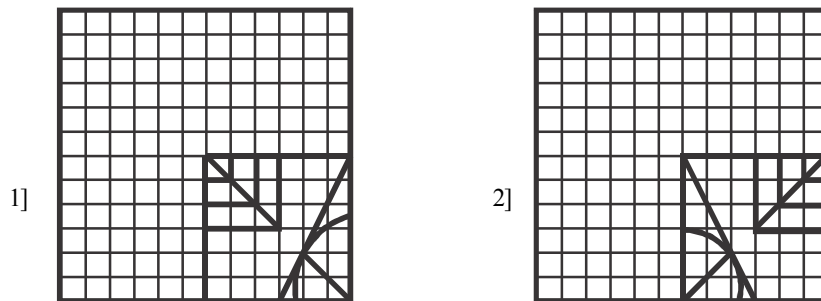
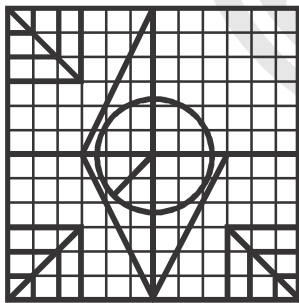


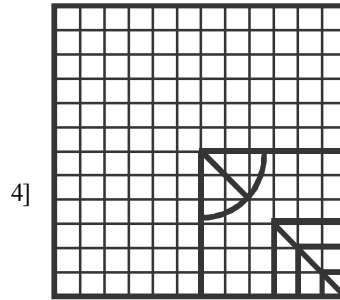
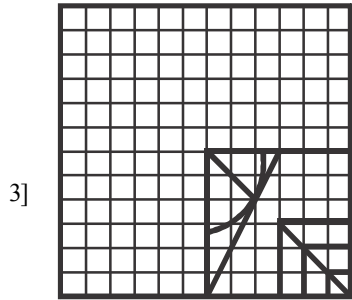
- 1] 12                      2] 10                      3] 18                      4] 16

20. Identify the diagram that best represents the relationship among classes given below: Elephants , Lions and Animals

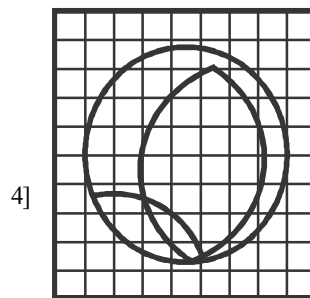
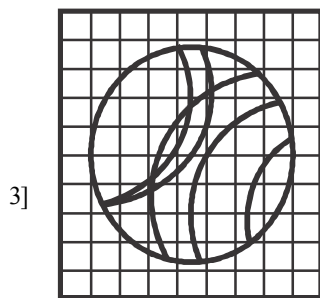
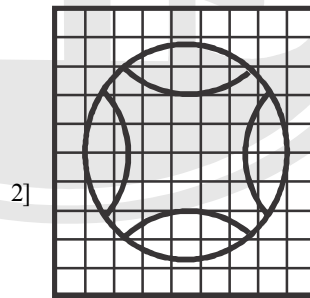
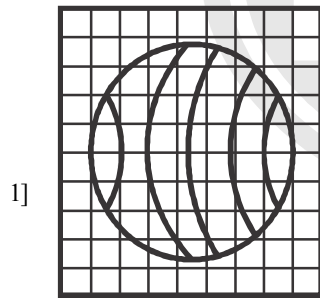
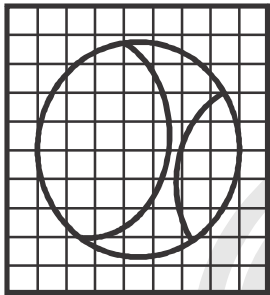


21. Which answer figure will complete the pattern in the question figure?



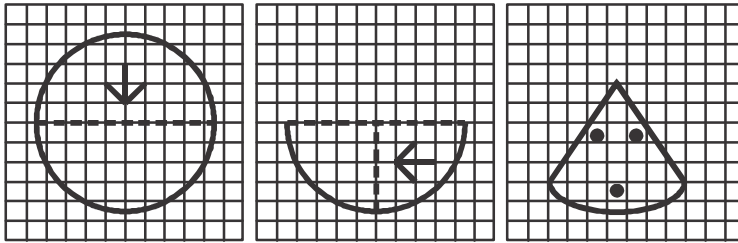


22. From the given answer figures, select the one in which the question figure is hidden/embedded.



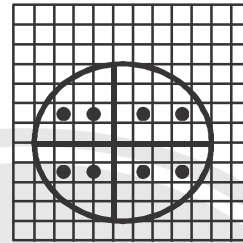
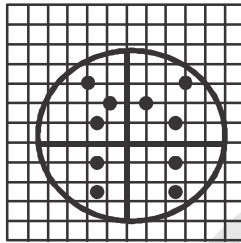
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23. A piece of paper is folded and cut as shown in the question figures. From the given answer figures, indicate how it will appear when opened.



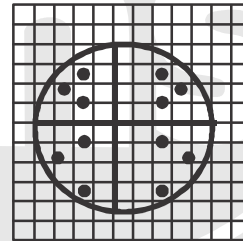
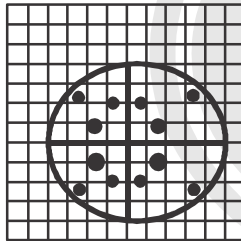
1]

2]

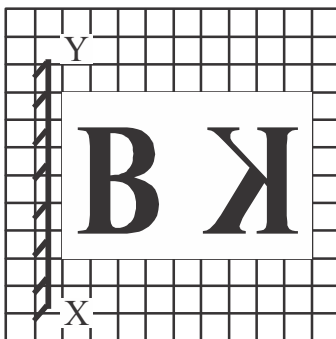


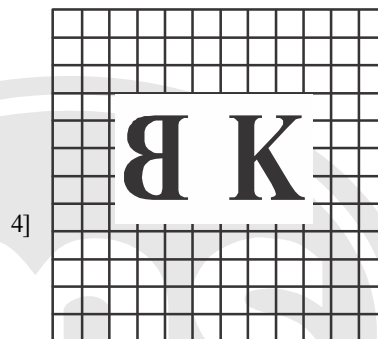
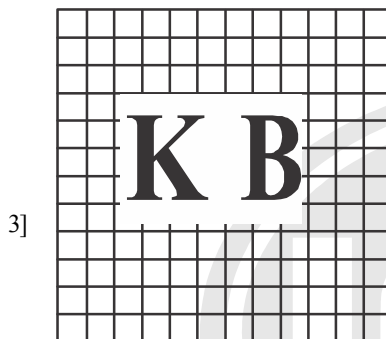
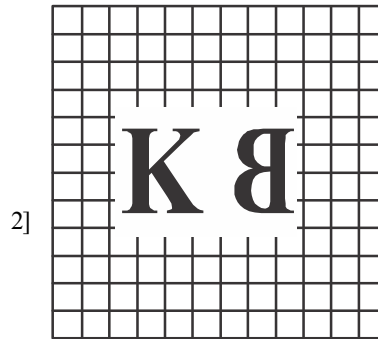
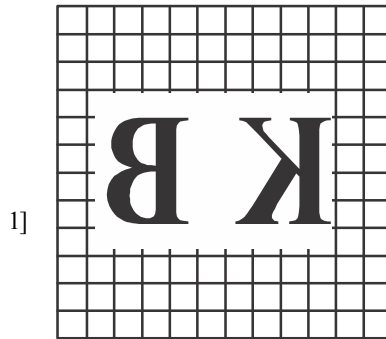
3]

4]



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. The sets of numbers given in the alternatives are represented. 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 12, 24, etc., and 'R' can be represented by 57, 76, etc. Similarly you have to identify the set for the word 'ROSE'

MATRIX I

	0	1	2	3	4
0	A	E	S	T	H
1	T	H	A	E	S
2	E	S	T	H	A
3	H	A	E	S	T
4	S	T	H	A	E

MATRIX II

	5	6	7	8	9
5	P	O	R	K	L
6	K	L	P	O	R
7	O	R	K	L	P
8	L	P	O	R	K
9	R	K	L	P	O

1] 86, 67, 33, 44

2] 88, 76, 31, 32

3] 95, 75, 02, 32

4] 57, 87, 32, 33

**END OF SECTION - I**

**SECTION - II**

***DIRECTION for questions 26 to 50: Choose the correct alternative.***

26. Inflation is a situation characterised by  
1] Too much money chasing too few goods  
2] Too few money chasing too much goods  
3] Too many people chasing too few goods  
4] Too many people chasing too little money
27. Which of the following was published by Gandhji during his stay in South Africa?  
1] Young India    2] Indian Opinion    3] Nav Jivan    4] None of these
28. What was the immediate aim of the Treaty of Purander in 1665?  
1] To gain goodwill of Shivaji  
2] To sow seeds of contention between Shivaji and Sultan of Bijapur  
3] To deceive Shivaji  
4] To make Shivaji a puppet of Mughals
29. Match the following:  
A. Mohanjodaro    1. Statue of priest  
B. Harappa    2. Port  
C. Kalibangan    3. Plough marks  
D. Lothal    4. The Great Bath  
1] A-4, B-1, C-3, D-2    2] A-3, B-2, C-4, D-1  
3] A-2, B-3, C-1, D-4    4] A-1, B-4, C-2, D-3
30. Blood is red in colour due to the presence of \_\_\_\_\_ .  
1] Cytochrome    2] Chlorophyll    3] Chlorophyll    4] Haemoglobin
31. Which one of the following events in a botanical garden is never directly influenced by light?  
1] Flowering    2] Photosynthesis  
3] Transpiration    4] Fertilization
32. What type of lens is used to correct vision of a person suffering from Myopia?  
1] Convex lens    2] Concave lens  
3] Crossed lens    4] Cylindrical lens
33. Iodex, a pain relief balm, has the smell of \_\_\_\_\_ .  
1] Methyl salicylate    2] Ethyl salicylate  
3] Propyl salicylate    4] Butyl salicylate



34. Which of the following is usually not an air-pollutant?
- 1] Hydrocarbons
  - 2] Sulphur dioxide
  - 3] Carbon dioxide
  - 4] Carbon dioxide
35. Which of the following is called the Land of White Elephants?
- 1] Thailand
  - 2] Africa
  - 3] Cuba
  - 4] Turkey
36. On April 10 2016, a huge fire broke out during fireworks display at one of the following temples of Kerala.
- 1] Chhotanikkara temple
  - 2] Puttingal temple
  - 3] Vishnuvira temple
  - 4] Manarasala temple
37. Which of the following games was included in Rio Olympics after more than 100 years?
- 1] Diving
  - 2] Taekwondo
  - 3] Beach Volleyball
  - 4] Golf
38. One of the following is 'Labour' in Economics.
- 1] A Musician performing for a benefit fund
  - 2] A Painter working for his own pleasure
  - 3] Reading a book as a hobby
  - 4] A Mother teaching her own son
39. Which of the following is a fish?
- 1] Jelly fish
  - 2] Lobster
  - 3] Salmon
  - 4] Whale
40. The disconnected lines drawn on a map for showing slope -
- 1] Bench marks
  - 2] Contours
  - 3] Form lines
  - 4] Hachure
41. A man standing close to the platform at a railway station experiences a pulling force towards a fast moving train because of \_\_\_\_\_ .
- 1] gravitational force between train and man
  - 2] illusion of the man
  - 3] the centripetal force
  - 4] pressure difference due to fast moving air in between
42. The Network is overloaded with enormous data sent by many computers within the network. The inability of the network to deliver the data is termed as \_\_\_\_\_ .
- 1] Access control
  - 2] Congestion
  - 3] Error propagation
  - 4] Deadlock
43. Who is referred to as 'Frontier Gandhi'?
- 1] Sheikh Abdullah
  - 2] Manilal Gandhi
  - 3] Khan Abdul Gaffar Khan
  - 4] Gopal Krishna Gokhale



**SECTION - III**

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

51. Ram and Hari can cut 12 kgs nuts in 2 days. After 5 days, Hari left the work. Ram took 8 more days to cut the rest of the nuts. If total of 58 kgs of nuts were cut, the time taken by Hari to cut 10 kg of nuts is  
1] 1 day                      2] 2 days                      3] 3 days                      4] 4 days
52. A trader marks his goods in such a way that after allowing a discount of 10% he gains 15%. If an article costs him Rs. 720, his marked price is  
1] Rs.920                      2] Rs.900                      3] Rs.820                      4] Rs.950
53. If a certain amount is fully distributed among A, B & C in such a way that A receives  $\frac{1}{2}$  of the amount, B receives  $\frac{1}{3}$  of the amount and C receives 1200, then how much money would A receive  
1] 4000                      2] 1600                      3] 3600                      4] 1800
54. The selling price of an article is  $\frac{8}{5}$ th of its cost price. Then the gain percentage is  
1] 20%                      2] 28%                      3] 60%                      4] 68%
55. If the salary of Manoj is 40% less than that of Subhash, then by how much percentage is the salary of Subhash more than that of Manoj?  
1] 60%                      2]  $66\frac{1}{4}\%$                       3]  $66\frac{2}{3}\%$                       4] 65%
56. A passenger train running at the speed of 80 kms/hr leaves the railway station 6 hours after a goods train leaves and overtakes it in 4 hours. What is the speed of the goods train?  
1] 32 kms/hr                      2] 50 kms/hr                      3] 45 kms/hr                      4] 64 kms/hr
57. How much simple interest will Rs. 4000 earn in 18 months at 12% per annum?  
1] Rs.216                      2] Rs.360                      3] Rs.720                      4] Rs.960
58. If  $a + \frac{1}{a} = 2$ , then the value of  $a^5 + \frac{1}{a^5}$  will be  
1] 0                      2] 1                      3] 3                      4] 2
59. The value of  $\left(\frac{2 + \sqrt{3}}{2 - \sqrt{3}} - 4\sqrt{3}\right)^2$  is  
1] 36                      2]  $36\sqrt{3}$                       3] 49                      4]  $49 + \sqrt{3}$
60. The mid points of AB and AC of the  $\Delta$  ABC are P and Q respectively. If PQ = 6 cm, then the side BC is  
1] 10 cm                      2] 12 cm                      3] 8 cm                      4] 14 cm

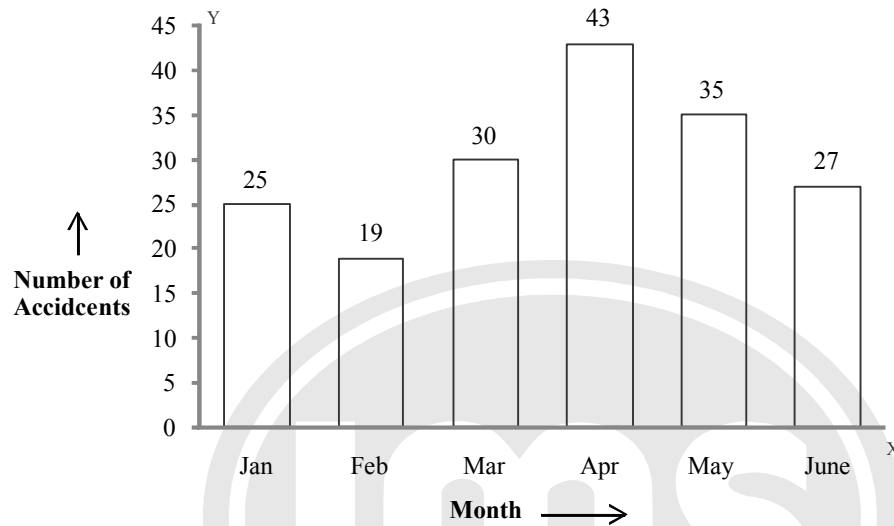
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61. The difference between the largest and the smallest angles of a triangle whose angles are in the ratio of 5:3:10 is  
1]  $20^\circ$                       2]  $30^\circ$                       3]  $50^\circ$                       4]  $70^\circ$
62. If  $\sin \theta = \frac{\sqrt{3}}{2}$  and  $0^\circ < \theta < 90^\circ$ , then the value of  $\tan(\theta - 15^\circ)$  is  
1] 1                              2]  $\sqrt{3}$                               3]  $1/\sqrt{3}$                               4]  $\sqrt{2}$
63. Find the greatest number that will divide 390, 495 and 300 without leaving a remainder  
1] 5                              2] 15                              3] 25                              4] 35
64. The average age of 30 boys in a class is 10 years. If the age of their teacher is also included, the average increases by one year. The teacher's age in years is  
1] 38                              2] 40                              3] 30                              4] 41
65. The value of  $\left( \frac{1}{(p-n)(n-q)} + \frac{1}{(n-q)(q-p)} + \frac{1}{(q-p)(p-n)} \right)$  is  
1] 1                              2] 0                              3]  $p + q + n$                               4]  $\frac{2n}{p+q}$
66. If  $\frac{a^2}{b+c} = \frac{b^2}{c+a} = \frac{c^2}{a+b} = 1$  then  $\frac{1}{1+a} + \frac{1}{1+b} + \frac{1}{1+c}$  is  
1] 1                              2] 2                              3] 3                              4] 4
67. If O is the centroid and AD, BE and CF are the three medians of  $\triangle ABC$  with an area of  $96 \text{ cm}^2$  then the area of  $\triangle BOD$  in  $\text{cm}^2$  is  
1] 8                              2] 12                              3] 16                              4] 24
68. Two chords AB and PQ of a circle intersect at D inside a circle. If  $AD = 4 \text{ cm}$ ,  $DB = 6 \text{ cm}$ ,  $QD = 3 \text{ cm}$ , the length of PQ is equal to  
1] 11 cm                              2] 8 cm                              3] 9 cm                              4] 10 cm
69. If  $\frac{\operatorname{cosec} \theta + \sin \theta}{\operatorname{cosec} \theta - \sin \theta} = \frac{5}{3}$  then the value of  $\sin \theta$  is equal to  
1]  $\frac{1}{2}$                               2]  $\frac{1}{\sqrt{2}}$                               3]  $\frac{\sqrt{3}}{2}$                               4] 1
70. A cylindrical vessel of radius 4 cm contains water. A solid sphere of radius 3 cm is dipped into the water until it is completely immersed. The water level in the vessel will rise by  
1] 3.5 cm                              2] 2.25 cm                              3] 2 cm                              4] 3.8 cm
-

71. The angle of elevation of the top of a tower from two horizontal points (in opposite sides) at distances of 25 meter and 64 meter from the base of tower are  $x$  and  $90^\circ - x$  respectively . The height of the tower will be
- 1] 39 m                      2] 89 m                      3] 1.6 m                      4] 40 m

**DIRECTION for questions 72 to 75: The bar-chart is showing the number of accidents in a city during the first six month of a year . Examine the bar chart and answer the following questions.**



72. What is the % of accidents in the month of April to the total accidents in the city ?
- 1] 15%                      2] 20%                      3] 22%                      4] 24%
73. Compared to the month of January, what is the percentage of decrease in accidents in the month of February ?
- 1] 25                      2] 24                      3] 30                      4] 27
74. By what number, is the number of accidents that occurred in April is greater than the average number of accidents that occurred during the 6 months period ?
- 1] 13.17                      2] 8                      3] 9                      4] 11
75. Percentage of decrease in the number of accidents from May to June is :
- 1]  $15\frac{4}{7}\%$                       2]  $27\frac{3}{7}\%$                       3]  $22\frac{6}{7}\%$                       4]  $18\frac{5}{7}\%$

**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. CUPIDITY

- 1] FEAR                      2] FRIENDSHIP              3] GREED                      4] LOVE

77. CAPTIVATE

- 1] DISTRACT              2] OBSCURE              3] IMPRISON              4] RELEASE

***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] Clandistine    2] Clandestine  
3] Clandistene    4] Clandestene

***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. Can I have (A) / a loaf of bread (B) / and a jam jar? (C) / No error (D)

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

80. Now that I am back at work, (A) / I have beginning (B) / to feel much better. (C) / No error (D)

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

81. The artist, plainly a better critic (A) / than painter, destroyed what (B) / he made over for ten years. (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. Never give your friends \_\_\_\_\_ .

- 1] the cold arm    2] the cold elbow  
3] the cold shoulder    4] the cold hand

83. My mother upset the kettle of boiling water and \_\_\_\_\_ her hand.

- 1] scalded                      2] scolded                      3] scorched                      4] wounded

84. His writings are \_\_\_\_\_ mistakes.  
 1] brooded with    2] burst into    3] replete with    4] boasted of

***DIRECTION for questions 85 to 87: In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.***

85. Cut a sorry figure  
 1] Did not stand straight                      2] Apologised for his remarks  
 3] Created a wrong impression                4] Made a poor impression

86. To take to task  
 1] Forgave him                                      2] Slapped him  
 3] Gave him extra work                          4] Reprimanded him

87. Bring to light  
 1] Introduced            2] Revealed            3] Seen                4] Brought to life

***DIRECTION for questions 88 to 90: Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.***

88. A job carrying no salary  
 1] Honorary            2] Memento            3] Honorarium        4] Memorandum

89. Act of stealing something in small quantities  
 1] Pillage                2] Plagiarise            3] Proliferate            4] Pilferage

90. Pertaining to the west  
 1] Celestial            2] Occidental            3] Oriental            4] Terrestrial

***DIRECTION for questions 91 to 95: A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".***

91. As soon as I arrived in home, I knew that something was wrong.  
 1] arrived by home                                2] arrived home  
 3] arrived my home                                4] No improvement

92. Unfortunately I did not pass in the examination  
 1] I did not pass over                            2] I did not overcome  
 3] I did not pass                                    4] No improvement

