JAGRAN

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SSC CONSTABLE RECRUITMENT EXAM 2012: QUESTION PAPER

Section-A

General Intelligence and Reasoning

Directions (Q. Nos. 1-2) *Find the odd word/letters/number from the given alternatives.*

1. (a) 432   (b) 583
   (c) 693   (d) 671

2. (a) 14-49   (b) 16-64
   (c) 20-100   (d) 24-121

Directions (Q. Nos. 3-5) *A series is given with one (or more) term missing. Choose the correct alternative from the given ones that will complete the series.*

3. D, F, I, M, ?
   (a) P   (b) Q   (c) R   (d) T

4. AEI, BFJ, CGK, ?
   (a) DHL   (b) DLH
   (c) EIM   (d) LPT

5. 1, 6, 15, ?, 45, 66, 91
   (a) 25   (b) 26   (c) 27   (d) 28

6. Find out the wrong number in the series—216, 163, 120, 72, 24
   (a) 216   (b) 163
   (c) 72   (d) 24

7. If $3 \times 2 = 10$, $5 \times 4 = 18$ and $6 \times 5 = 22$, then $7 \times 6 = ?$
   (a) 20   (b) 26
   (c) 30   (d) 42

8. Some equations are solved on the basis of a certain system. Find out the correct answer from amongst the given alternatives for the unsolved equation on that basis.
   $6 \times 4 \times 3 = 436$; $8 \times 4 \times ? = 468$;
   $6 \times 9 \times 8 = 986$
   (a) 3   (b) 4   (c) 5   (d) 6

9. Substitute the arithmetical signs in place of * in the following equation
   $7 * 7 * 2 * 1 = 12$
   (a) ×, −, +   (b) +, −, ×
   (c) ×, −, +   (d) +, ×, −

10. If '+' means '÷', '−' means '×' '÷' means '+' and '×' means '−', then
    $36 \times 12 + 4 + 6 + 2 - 3 = ?$
    (a) 42   (b) 18   (c) 40   (d) 2

11. Find out the missing number.

8	9	7
4	5	6
2	4	?
64	180	294

    (a) 6   (b) 7   (c) 8   (d) 9

12. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?
    (a) 5279431   (b) 5978213
    (c) 8251896   (d) 8543691

13. Mother was three times the age of her daughter five years ago. After five years, mother will be twice as old as her daughter. How old is the daughter today?
    (a) 5 yr   (b) 10 yr
    (c) 15 yr   (d) 20 yr

14. Q is the son of P, X is the daughter of Q, R is the aunty (Bua) of X and L is the son of R, then what is L to P?
    (a) Grandson   (b) Granddaughter
    (c) Daughter   (d) Nephew

15. Five birds Crow, Pigeon, Little pigeon, Big crow and Eagle fly one after other from a tree branch. Big crow flew after Crow but is ahead of Eagle. Pigeon is between Crow and Big crow. Little Pigeon is before Crow. Which bird is the last?
    (a) Pigeon   (b) Big crow
    (c) Eagle   (d) None of these

Directions (Q. Nos. 16-18) *Select the related letters/word/number from the given alternatives.*

16. KMF : LLH :: RMS : ?
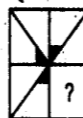   (a) SLR   (b) SLU   (c) SSU   (d) SUS

17. CEGI : RTVX :: IKMO : ?
    (a) JKLP   (b) LNPR
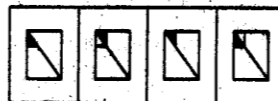   (c) MNPQ   (d) DFHI

18. 8 : 28 :: 27 : ?
    (a) 8   (b) 28
    (c) 64   (d) 65

Direction (Q.No. 19) *Which answer figure will complete the question figure?*
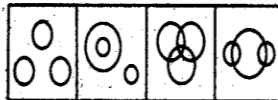
19. Question Figure

Answer Figures

20. Which of the following figure represents the relationship among DOG, CAT and PET?

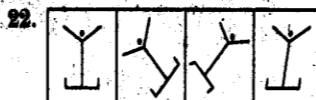21. In a certain code 'KINDLE' is written as ELDNIK, how 'EXOTIC' can be written in that code?
    (a) EXIOTC   (b) COXITE
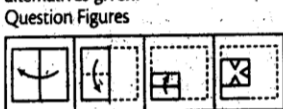   (c) CXOTIE   (d) CITOXE

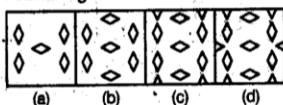**Direction** (Q. No. 22) *Find the old figure from the given alternatives.*

22.

23. A paper is folded and cut as shown in the given figure. When opened how will it appear, find it from the four alternatives given.
Question Figures
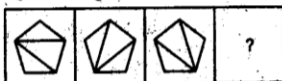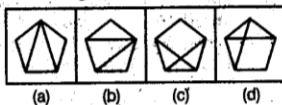

Answer Figures

(a)　(b)　(c)　(d)

Direction (Q. No. 24) Select the missing figure from the given responses.

24. Question Figures

Answer Figures

(a)　(b)　(c)　(d)

Direction (Q.No. 25) Two statements are given followed by two conclusions I and II.

You have to consider the two statements to be true even, if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

25. **Statements** Some humane creatures are angles.
All doctors are angels.
Conclusions
I. Some humane creatures are doctors.
II. Some doctors are humane creatures.
(a) Only I follows
(b) Only II follows
(c) Both I and II follow
(d) Neither I nor II follows

Section-B
General Awareness

26. The Man Booker Prize 2011 was recently given to
(a) Patrich Dewitt　(b) AD Millers
(c) Carol Birch　(d) Julian-Barnes

27. Nomination of Rajya Sabha Members by the President was taken from the Constitution of
(a) USA　(b) Ireland
(c) South Africa　(d) France

28. The particle required to continue the chain process of uranium fission is
(a) electron　(b) proton
(c) neutron　(d) positron

29. Recently, who has made the highest score in ODI?
(a) Sachin Tendulkar
(b) Virendra Sehwag
(c) Ricky Ponting
(d) Tilakratne Dilshan

30. Yen is the currency of
(a) Yugoslavia　(b) Mexico
(c) Japan　(d) Thailand

31. Nasik is situated on the banks of the river
(a) Mahanadi　(b) Tapti
(c) Krishna　(d) Godavari

32. Who started the 'Servants of India Society'?
(a) Bal Gangadhar Tilak
(b) Gopal Krishna Gokhale
(c) Surendranath Banerjee
(d) Dadabhai Naoroji

33. Who discovered America?
(a) Vasco-De-Gama
(b) Columbus
(c) Captain Cook
(d) Amundsen

34. The famous painting 'Monalisa' was the creation of
(a) Michael-Angelo
(b) Leonardo-Da-Vinci
(c) Piccasso
(d) Van Gogh

35. Decibel is a term connected with
(a) air　(b) water
(c) sound　(d) soil

36. 'Van Mahotsav' is associated with
(a) cutting trees
(b) planting trees
(c) increase in crop
(d) protection of plants

37. The accounting year of Reserve Bank of India runs from
(a) April to March
(b) July to June
(c) January to December
(d) August to July

38. In which state is 'Silent Valley' located?
(a) Tamil Nadu
(b) Kerala
(c) Asom
(d) Arunachal Pradesh

39. Who is considered the Architect of the Indian Constitution?
(a) Mahatma Gandhi
(b) BR Ambedkar
(c) Jawaharlal Nehru
(d) BN Rao

40. Who said that 'India's soul lives in villages'?
(a) Vinoba Bhave
(b) Jayaprakash Narayan
(c) JL Nehru
(d) Mahatma Gandhi

41. The first woman to swim across seven important seas is
(a) Chandni
(b) Bula Choudhary
(c) Mridula Rajiv
(d) Priya Shanbhag

42. Insulin was discovered by
(a) F Banting　(b) Edward Jenner
(c) Ronald Ross　(d) SA Wakesman

43. In which of the following towns is 'Moti Masjid' situated?
(a) Agra　(b) Jaipur
(c) Lahore　(d) Ahmedabad

44. Which of the following is used to increase the anti-knocking property of petrol?
(a) Tetramethyl lead
(b) Tetraethyl lead
(c) Trimethyl lead
(d) Triethyl lead

45. The largest organ of human body is
(a) heart　(b) brain
(c) liver　(d) kidney

46. The chemical name of 'common salt' is
(a) sodium chloride
(b) sodium nitrate
(c) ammonium chloride
(d) calcium chloride

47. Washing of peeled vegetables removes the vitamin
(a) A　(b) C
(c) D　(d) E

48. Nehru Trophy is associated with
(a) hockey
(b) football
(c) kabaddi
(d) table tennis (women)

49. The total number of bones in the human body is
(a) 206　(b) 260
(c) 306　(d) 360

50. First Indian Commander-in-Chief was
(a) Gen. KS Thimayya
(b) Gen. KM Kariappa
(c) SHFJ Manekshaw
(d) None of the above

Section-C
Numerical Aptitude

51. Find the value of
$$\sqrt{4+\sqrt{44+\sqrt{10000}}} = ?$$
(a) 4   (b) 2   (c) 8   (d) 6

52. The average of squares of first 11 consecutive even numbers is
(a) 225   (b) 165   (c) 184   (d) 178

53. The LCM of two numbers is 48. The numbers are in the ratio 2 : 3. The sum of the numbers is
(a) 28   (b) 32   (c) 40   (d) 64

54. The value of
$$\frac{1}{\sqrt{2}+1}+\frac{1}{\sqrt{3}+\sqrt{2}}+\frac{1}{\sqrt{4}+\sqrt{3}}+...$$
$$+\frac{1}{\sqrt{100}+\sqrt{99}}; \text{ is}$$
(a) 1   (b) 9
(c) $\sqrt{99}$ (d) $\sqrt{99}-1$

55. If the cost price is 95% of the selling price, what is the profit per cent?
(a) 4   (b) 4.75   (c) 5   (d) 5.26

56. On a certain sum of money, the difference between the compound interest for a year, payable half-yearly, and the simple interest for a year is ₹ 180. If the rate of interest in both the cases is 10%, then sum is
(a) ₹ 60000   (b) ₹ 72000
(c) ₹ 62000   (d) ₹ 54000

57. The monthly income of H and W is in the ratio 4 : 3 and the expenditure is in the ratio 3 : 2. If each of them saves ₹ 600 per month, the income of W, in rupees is
(a) ₹ 1200   (b) ₹ 2400
(c) ₹ 1800   (d) ₹ 9000

58. If $\frac{a}{b}=\frac{2}{3}$ and $\frac{b}{c}=\frac{4}{5}$, then $(a+b):(b+c)=?$
(a) 3 : 4   (b) 4 : 5
(c) 5 : 9   (d) 20 : 27

59. In a class, the average score of girls in an examination is 73 and that of boys is 71. The average score for the whole class is 71.8. Find the percentage of girls.
(a) 40%   (b) 50%   (c) 55%   (d) 60%

60. The cost of an article worth ₹ 100 is increased by 10% first and again increased by 10%. The total increase in rupees is
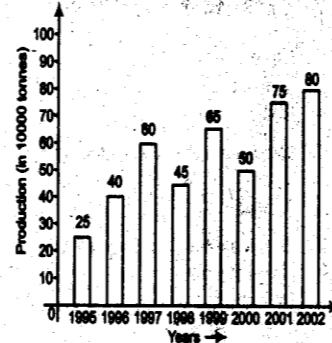(a) ₹ 20   (b) ₹ 21   (c) ₹ 110   (d) ₹ 121

61. When a person cycled at 10 km/h, he arrived at his office 6 min late. He arrived 6 min early, when he increased his speed by 2 km/h. The distance of his office from the starting place is
(a) 6 km   (b) 7 km
(c) 12 km   (d) 16 km

Directions (Q. Nos. 62-65) *Study the following graph and give the answers of the following questions.*

Production of fertilizers by a company (in 10000 tonnes over the years 1995-2002)

62. What was the percentage decline in the production of fertilizers from 1997 to 1998?
(a) $33\frac{1}{3}$%   (b) 30%
(c) 25%   (d) 20%

63. In how many years was the production of fertilizers more than the average production of the given years?
(a) 1   (b) 2   (c) 3   (d) 4

64. In which year was the percentage increase in production as compared to the previous year, the maximum?
(a) 2002   (b) 2001   (c) 1996   (d) 1997

65. The ratio of total production of fertilizers in the years 1996 and 1997 to that of total production in the years 1995, 1998 and 2000 is
(a) 5 : 6   (b) 6 : 5
(c) 20 : 29   (d) 13 : 24

66. The sum of a two digit number and the number obtained by reversing its digits is a square number. How many such numbers are there?
(a) 5   (b) 6   (c) 7   (d) 8

67. When a number is divided by 24, the remainder is 16. The remainder when the same number is divided by 12 is
(a) 3   (b) 4   (c) 6   (d) 8

68. A and B can do a piece of work in 72 days, B and C can do it in 120 days and A and C can do it in 90 days. If A, B and C work together, how much work is finished by them in 2 days?
(a) $\frac{1}{40}$ (b) $\frac{1}{30}$ (c) $\frac{1}{20}$ (d) $\frac{1}{10}$

69. $\dfrac{137\times137+137\times133+133\times133}{137\times137\times137-133\times133\times133} =$
(a) 4   (b) $\frac{1}{4}$ (c) 3   (d) 1

70. The average of 30 numbers is 12. The average of the first 20 of them is 11 and that of the next 9 is 10. The last number is
(a) 40   (b) 50   (c) 60   (d) 45

71. The present ages of A and B are in the ratio 4 : 5 and after 5 years they will be in the ratio 5 : 6. The present age of A is
(a) 10 yr   (b) 30 yr
(c) 25 yr   (d) 20 yr

72. 65 g is what per cent of 2 kg?
(a) $\frac{65}{2}$%   (b) $\frac{13}{8}$%   (c) $\frac{13}{4}$%   (d) $\frac{12}{7}$%

73. If the area of circle inscribed in a square is 9π cm², then the area of the square is
(a) 24 cm²   (b) 30 cm²
(c) 36 cm²   (d) 81 cm²

74. A boatman rows 1 km in 5 min along the stream and 6 km in 1 h against the stream. The speed of the stream is
(a) 6 km/h   (b) 5 km/h
(c) 1 km/h   (d) 10 km/h

75. The ratio of the radii of two wheels is 3 : 4. The ratio of their circumferences is
(a) 3 : 4   (b) 4 : 3   (c) 2 : 3   (d) 3 : 2

Section-D
English Language

Directions (Q. Nos. 76-78) *In the following questions, four alternatives are given for the given idiom/phrase. Choose the alternative which best expresses the meaning of the given idiom/phrase.*

76. I had to **pull strings** to put up a good show.
    (a) play music
    (b) use personal influence
    (c) use the instrument
    (d) play a song

77. You can easily overcome this situation, if you **keep your head**.
    (a) keep faith in   (b) remain calm
    (c) believe in   (d) trust the others

78. It is clear that the ideas of both reformers **ran in the same groove**.
    (a) Promoted each other
    (b) Clashed with each other
    (c) Moved in harmony
    (d) Moved in different directions

Directions (Q. Nos. 79-80) *In the following questions, out of the four alteratives, choose the one which best expresses the **meaning** of the given word.*

79. Cajole
    (a) Insist   (b) Persuade
    (c) Flatter   (d) Recommend

80. Fragrance
    (a) Taste   (b) Aroma
    (c) Sight   (d) Touch

Directions (Q. Nos. 81-82) *In the following questions, choose the word **opposite** in meaning to the given word.*

81. Strife
    (a) war   (b) Peace
    (c) Anger   (d) Woe

82. Repulsive
    (a) Attractive   (b) Reflective
    (c) Distinctive   (d) Progressive

Directions (Q. Nos. 83-85) *In the following questions, groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word.*

83. (a) Definitely   (b) Definately
    (c) Definitley   (d) Definitly

84. (a) Cemetary   (b) Semetary
    (c) Cemetely   (d) Cemetry

85. (a) Recesion   (b) Reccesion
    (c) Reccession   (d) Recession

Directions (Q. Nos. 86-89) *In the following questions, sentences are given with blanks to be filled in with appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four.*

86. The sparrows took no .... the bread.
    (a) notice of   (b) notice about
    (c) notice from   (d) notice to

87. He shows great ability .... mathematics.
    (a) at   (b) for
    (c) about   (d) in

88. There .... any message from my teacher, since she moved to London.
    (a) isn't   (b) wasn't
    (c) hasn't been   (d) hadn't been

89. May I give you ..... advice?
    (a) an   (b) some
    (c) little   (d) one

Directions (Q. Nos. 90-92) *In the following questions, a part of the sentence is **underlined**. Below are given alternatives to the **underlined** part at (a), (b) and (c) which may improve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (d).*

90. I have not finished **to paint** the door.
    (a) painting
    (b) the paint of
    (c) the painting
    (d) No improvement

91. She usually does not leave for work until she **finished** all her chores.
    (a) finished
    (b) has finished
    (c) had finished
    (d) No improvement

92. The article should not **exceed more than** hundred words.
    (a) exceed beyond
    (b) exceed than
    (c) exceed
    (d) No improvement

Directions (Q. Nos. 93-97) *In the following questions, some of the sentences have errors and some are correct. Find out which part of a sentence has an error and corresponding to the appropriate answer (a), (b) and (c). If there is no error your answer is (d).*

93. She is one of the (a)/ best mothers (b)/ that has ever lived. (c)/ No error (d)

94. John, I and Hari (a)/ have finished (b) / our studies. (c)/ No error (d)

95. Neither the mouse (a)/ nor the lion (b)/were caught. (c)/ No error (d)

96. After you will returns (a)/ from new Delhi (b)/I will meet you. (c)/No error (d)

97. When I was young, (a)/ I used to collect stamps (b)/as a hobby. (c)/ No error (d)

Directions (Q. Nos. 98-100) *In the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentence.*

98. A disease which is spread by direct contact.
    (a) Contagious   (b) Infectious
    (c) Epidemic   (d) Endemic

99. The study of ancient civilizations.
    (a) History   (b) Anthropology
    (c) Enthnology   (d) Archaeology

100. An animal story with a moral.
    (a) Fable   (b) Tale
    (c) Anecdote   (d) Parable