CAREER INFOWIS INSTITUTE

SAINIK SCHOOL, MILITARY SCHOOL, RIMC, NAVODAYA SCHOOL

SAMPLE PAPER 8

GENERAL KNOWLEDGE

1. Population wise which is the smallest state in India:
   a. Goa
   b. Arunachal Pradesh
   c. Mizoram
   d. Sikkim

2. What do we call the building made of glass, where plants are grown:
   a. Nursery
   b. Botanical House
   c. Glass House
   d. Green House

3. Longest bone in our body is ___
   a. Spinal Cord
   b. Thigh Bone
   c. Hand Bone
   d. Chest Rib

4. Who invented Stethoscope:
   a. Afred Nobel
   b. Edison
   c. Newton
   d. Rene Laennec

5. Which of the following is first Indian to score century in ODI:
   a. Sachin Tendulkar
   b. Mohinder Amarnath
   c. Kapil Dev
   d. Ajit Wadekar

6. Bull fighting is most famous sport in ___
   a. England
   b. Scotland
   c. Netherlands
   d. Spain

7. Chilka Lake is situated in ___
   a. Bihar
   b. Maharashtra
   c. Orissa
   d. West Bengal

8. Which planet is farthest from the sun:
   a. Mercury
   b. Neptune
   c. Uranus
   d. Venus

9. Which one of the following is not a true fish:
   a. Silver
   b. Saw
   c. Hammer
   d. Sucker

10. An electric bulb has a filament made of
    a. Copper
    b. Iron
    c. Lead
    d. Tungsten

11. During India's freedom struggle the Sepoy Mutiny started from which of the following places:
    a. Agra
    b. Gwalior
    c. Jhansi
    d. Meerut

12. Chandigarh was designed by ___
    a. Edward Lutyens
    b. Michelongo
    c. Nek Chand
    d. Le Corbusier

13. To an Astronaut, the outer space appears
    a. White
    b. Black
    c. Deep Blue
    d. Crimson

14. Which river flows by the side of the Taj Mahal:
    a. Ganga
    b. Yamuna
    c. Saraswati
    d. Brahmaputra

15. Which Indian state sends the maximum number of members to the Lok Sabha
    a. Andhra Pradesh
    b. Uttar Pradesh
    c. Madhya Pradesh
    d. Bihar

16. Which Bird is symbolic of love and peace:
    a. Peacock
    b. Dove
    c. Parrot
    d. Whit Peacock

17. Which is the largest living animal on the earth:
    a. Elephant
    b. Dinosaur
    c. Blue Whale
    d. Giraffe

18. Who invented the Safety lifts in buildings:
    a. Edison
    b. Graham bell
    c. Otis
    d. Stevenson

19. Name the capital of Assam:
    a. Dispur
    b. Guwhati
    c. Jorhat
    d. None of these

20. Which city is going to host the 2012 summer Olympics:
    a. California
    b. Tokyo
    c. Ottawa
    d. London

21. Name the first citizen of India as on 20 Dec. 2009
    a. Mrs. Manmohan Singh
    b. Mrs. Sonia Gandhi
    c. Mrs. Pratiba Patel
    d. None of these

22. Which Indian woman at the age of 75 flew in the SUKOI 30 if Indian Air Force on 25 November 2009:
    a. Mrs. Manmohan Singh
    b. Sonia Gandhi
    c. Pratiba Patel
    d. Flt Lt. Sindya

23. Who presided over the inaugrual meeting of the Constituent Assembly of India:
    a. Sachindananda Sinha
    b. B R Ambedkar
    c. Dr. Rajendra Prasad
    d. P Upendra

24. Who among the following was the Chairman of the Drafting Committee of the Indian Constitution
    a. Rajendra Prasad
    b. Tej Bahadur Sapru
    c. C Rajagopalachari
    d. BR Ambedkar

25. Who among the following was the Constitutional adviser to the Constituent Assembly of India:
    a. Dr. BN Rao   b. Dr. BR Ambedkar
    c. KM Munshi   d. MC Setalvad

LANGUAGE TEST (ENGLISH)

Direction (26-30): Read, understand and then answer the questions that follow:

Newton, th greatest scientist, on being praised for his discoveries, said, "I have been like a child playing on the sea shore, picking up pebbles here and there, while the vast ocean of knowledge lies before me." It may be an expression of his humility but it reflects a vital truth, more and more mankind is discovering that mysteries of nature are still to be unraveled. The ocean, the atmosphere, the space, the heavens have yet to reveal their secrets, the heavens have yet to reveal their secrets. Form the tiny microcosm, the atom to the gigantic macrocosm, the nebular system, everything gradually yielding the secrets, but for one thing we come to know, there are tens of them we have yet to know. And it is knowledge that man has accumuated that tells him that much more remains to learn. We are like the mountain climber, who, as he goes up, finds that there are yet many more hills to climb.

26. Newton was:
    a. Ambitious man
    b. A proud man
    c. A greatest scientist
    d. A mysterious man

27. Man's search for secrets of nature:
    a. Has come to an end
    b. Is unending
    c. Is for the service of mankind
    d. Is yet to start

28. How do we know that much more remains to be learnt:
    a. By the mysterious nature of secrets
    b. By vastness of knowledge
    c. By the knowledge that man has accumulated
    d. All the above

29. The word "Unraveled" in the passage means:
    a. To be made clear   b. To be believed
    c. To be experienced   d. To be rejected

30. Fill in the blanks with the suitable phrase. You will come, ___ you:
    a. Won't   b. Can't
    c. will   d. Wouldn't

Direction (31-35): Choose synonym:

31. Misprize:
    a. despise   b. devalue
    c. erroneous   d. covet

32. Impugn:
    a. Imply   b. Fret
    c. Assail   d. Recalcitrant
33. Supervene:
    a. Intervene   b. Overreach
    c. Displace   d. Follow
34. Delirious is most similar to
    a. Manic   b. Calm
    c. Tasty   d. Suspicious
35. Infirm is most similar to:
    a. Hospital   b. Weak
    c. Short   d. Frotitude

Direction (36-40): Choose antonym:

36. Mite:
    a. Weakness   b. Tend
    c. Bulk   d. Drive
37. Supernal:
    a. Nocturnal   b. Special
    c. Despicable   d. Hellish
38. Reprobate:
    a. Sage   b. Elevated
    c. Possess   d. Dismiss
39. Specious:
    a. Genuine   b. Logical
    c. Common   d. Deliberate
40. Effete
    a. Conquer   b. Proper
    c. Prosperous   d. Civilized
41. You've been talking about asking her out for weeks, what are you waiting ___:
    a. To   b. In
    c. At   d. for
42. Yeah, Mr. Bennett is our history teacher, he's nice but I never know what he's talking
    a. Of   b. On
    c. About   d. Over
43. I've finally decided to call ___ Simon; I want to know how he feels.
    a. None   b. To

c. At   d. In

44. People say he works ___ the CIA and he carries a gun!
    a. At   b. For
    c. With   d. In
45. What kind of music does you like listening:
    a. To   b. At
    c. In   d. For

Direction (46-50): Choose correct spellings:

46. a. Mystereous   b. Mistereous
    c. Misterious   d. Mysterious
47. a. Inundated   b. Innundated
    c. Inondated   d. Inundatid
48. a. Ameliorate   b. Amiliorate
    c. Amieliorate d. Amielierate
49. a. Mortgauge   b. Morgauge
    c. Mortgage   d. Morgauge
50. a. Paralel   b. Paralell
    c. Parallal   d. Parallel

GENERAL INTELLIGENCE (REASONING)

51. A dog is taken out every evening by the owner whose house faces East. They walk 200m West, then 500m South. Which direction should they take to reach home:
    a. North-east   b. North
    c. North-west   d. South-east
52. S jogs 50 m North, turns right & jogs 60 m, turns right again & jogs 40 m & then again turns right & jogs 60 m. How far is he from his starting point?
    a. 20 m   b. 10 m
    c. 100 m   d. 0 m
53. The time by Saurabh's watch is half past three. If the hour hand points towards East, to which direction would minute hand point:
    a. North   b. East
    c. South east   d. None
54. S & B starts from home in south direction and walk 45 m each. S then turns left and

walks 20 m while B turns right and walks 70 m. How far are they from each other:

a. 40 m　　　　　b. 80 m

c. 65 m　　　　　d. 90 m

55. S walks 18 m towards North. Turning left he walks 13 m more. Then again he turns left & walks 18 m and then after turning right he walks 13 m. How far is he from his starting point:

a. 18 m　　　　　b. 30 m

c. 26 m　　　　　d. 43 m

56. In a certain code ARCHIVE is written as DSBGFWJ. How is SYSTEMS writeen in that code?

a. TZTSTNF　　　b. TZTUTNF

c. TZTSFNT　　　d. RXRSTNF

57. If 'R' denotes 'divided by'; 'T' denotes 'added to'; 'W' denotes 'subtracted from' and 'B' denotes 'multiplied by' then:

15 W 12 T 8 R 2 B 6 = :

a. $\dfrac{11}{12}$　　　　b. $3\dfrac{2}{3}$

c. 27　　　　　d. 3

Direction (58-62): A, B, C, D, E, F and G, H, K are sitting around a circle facing the center. B is 4th to the left of G who is second to the right of C. F is 4th to the right of C and is second to the left of K. A is 4th to the right of K.D is not an immediate neighbor of either K or B. H is 3rd to the right of E.

58. Who is 2nd to the right of K:

a. C　　　　　b. H

c. F　　　　　d. E

59. Who is 3rd to the right of H:

a. D　　　　　b. A

c. G　　　　　d. F

60. Who is 4th to the left of E:

a. A　　　　　b. C

c. G　　　　　d. Data inadequate

61. Who is 4th to the right of D:

a. K　　　　　b. H

c. E　　　　　d. B

62. In which of the following combinations is the 3rd person sitting in between the 1st and 2nd persons:

a. EKB　　　　　b. CHB

c. AGC　　　　　d. FGD

63. (14, 84) (10, 40) (12, 60) (16, __)

a. 80　　　　　b. 112

c. 64　　　　　d. 48

64. 2, 10, 60, 420, 3360, ___

a. 30240　　　　b. 27840

c. 25140　　　　d. 22240

65. 4, 1, –8, ___, –20, 29, –32, 43

a. 17　　　　　b. 16

c. 15　　　　　d. 18

66. ___ s r ___ t r ___ s r s ___ r ___ s r s t ___

a. ttssrr　　　　b. tsrtsr

c. strtrs　　　　d. tstttr

67. a a ___ b b ___ a a ___ a b b b b ___ a

a. aabb　　　　b. baba

c. abab　　　　d. bbaa

68. In the series AHQ, DJR, GLS, JNT, ___ the next term is:

a. LPU　　　　　b. MQU
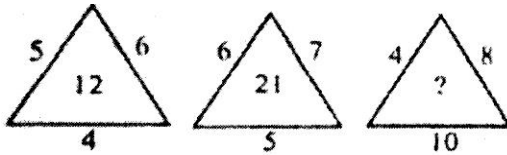
c. MPU　　　　　d. MPV

69. ACE, GIK, ___, SUW, YAC

a. MOQ　　　　　b. MNP

c. MOP　　　　　d. MPQ

70. Which group of letters should come in the blank in the following series of letter groups:

EXTRAVAGANZA, TRAVAGANZA TRAVAGANZ, AVAGANZ, ___
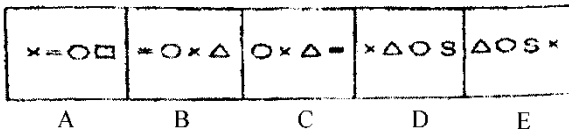
a. VAGANZA　　　b. VAGAN

c. AVAGA　　　　d. AVAGAN

71. Find the missing character in each of the following questions:
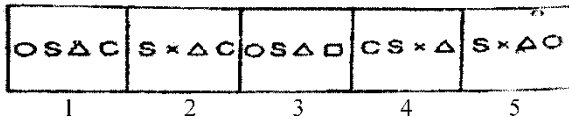
a. 14   b. 22
c. 32   d. 320

Direction (72-73): Each of the following questions consists of Five problem figures marked as A, B, C, D, E and five answer figures marked 1, 2, 3, 4, 5. Select a figure from amongst the answer figures which will continue the series established by the five problem figures:
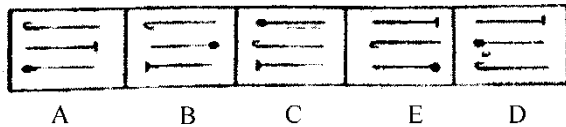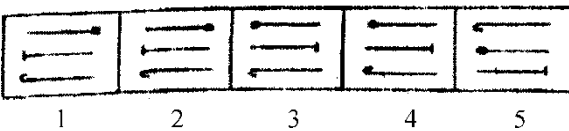
72. Problem Figures

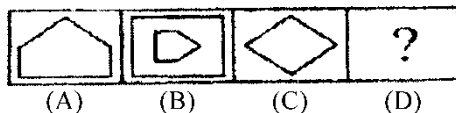Answer Figures
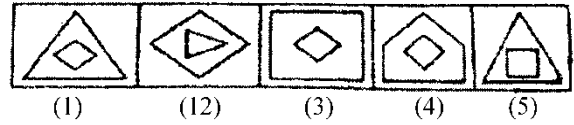

73. Problem Figures

Answer Figures

74. Figure A and B are related in a particular manner. Establish the same relationship between figures C and D by choosing a figure from amongst the five alternatives which would replace the question mark in fig. d.
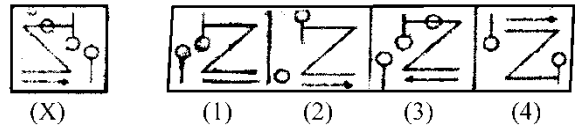
Problem Figures

Answer Figures

75. In each of the following questions, choose the correct mirror image of the fig. (X) From the amongst the four alternatives a, b, c, d given along with it.

MATHEMATICS

76. Identify th greatest and the smallest in 2853, 7691, 9999, 12002, 124
a. 12002,124   b. 9999, 124
c. 7691, 124   d. 2853, 124

77. Which pair has same digits at hundreds place
a. 4232, 4331   b. 2334, 2340
c. 6524, 7823   d. 5432, 6922

78. Using digits 4, 5, 6 & 0 without repetition make the greatest four-digit number
a. 4560   b. 5640
c. 6540   d. 6504

79. The school canteen charges Rs. 20 for lunch Rs. 4 for milk for each day. How much money do you spend in 5 days on these things
a. 100   b. 20
c. 120   d. 5

80. Largest number formed by digits 2, 4, 0, 3, 6, 9 is:
a. 432900   b. 392460
c. 964320   d. 903642

81. If 36 flats cost Rs. 6,82,51,500 What is the cost of each flat
a. Rs. 1,98,670   b. Rs. 1,35,649
c. Rs. 2,03,456   d. Rs. 18,95,875

82. What will be the distance covered by Shalini by taking three rounds around a square park of side 2 cm

a. 6 cm   b. 12 cm

c. 18 cm   d. 24 cm

83. What is the perimeter of a regular pentagon whose each side measuring 5 cm

a. 10 cm   b. 20 cm

c. 15 cm   d. 25 cm

84. Z multiplied by 5 and then subtracted from 7 is

a. 5z – 7   b. z – 35

c. 7 – 5z   d. z/5 – 7

85. The age of Siddhartha is x years, Sahil is 5 years older than Siddhartha therefore Sahil's age is

a. 5x   b. x – 5

c. x + 5   d. x/5

86. If the cost of 6 cans of juice is Rs. 210, then what is the cost of 4 cans of juice is?

a. Rs. 120   b. Rs. 140

c. Rs. 100   d. Rs. 80

87. Fill in the blank: -32m: 64m = 6 sec: ___

a. 13 sec   b. 12 sec

c. 8 sec   d. 24 sec

88. 2.09 can be expressed in terms of % as

a. 2.09%   b. 20.9%

c. 209%   d. 0.209%

89. What is 15% of 34:

a. 5.10   b. 4.10

c. 3.10   d. 2.10

90. A man buys an article for Rs. 27.50 and sells it for Rs. 28.60. Find his gain percent

a. 1%   b. 2%

c. 3%   d. 4%

91. A book was sold for Rs. 27.50 with a profit of 10%. If it were sold for Rs. 25.75, then would have been percentage of profit and loss:

a. 2% Profit   b. 3% Profit

c. 2% Loss   d. 3% Loss

92. There is a 10% discount on a dozen pairs of trousers marked at Rs. 8000. How many pair of trousers can be bought wiith Rs. 2400?

a. 7   b. 2

c. 4   d. 8

93. If a shopkeeper gives 20% discount and then 10% discount on a pen, which has the marked price of Rs. 500, how much would be the selling price of the pen?

a. Rs. 350   b. Rs. 150

c. Rs. 320   d. Rs. 360

94. A and B can together complete a piece of work in 4 days. If A alone can complet the same work in 12 days, in how many days can B alone complete that work:

a. 4 days   b. 5 days

c. 6 days   d. 7 days

95. A does a work in 10 days and B does the same work in 15 days. In how many days they together will do the same work:

a. 5 days   b. 6 days

c. 7 days   d. 8 days

96. Find the LCM of 18, 24 and 60:

a. 320   b. 330

c. 340   d. 360

97. The greatest number which will divide 2112 and 2792 leaving 4 as the remainder in each of the case is:

a. 82   b. 78

c. 68   d. 64

98. Two horses and a carriage together cost Rs. 1305. If the cost of the carriage is Rs. 347 less than the cost of the horses; find the cost of carriage and horses separately:

a. 826, 479   b. 800, 400

c. 500, 600   d. None

99. What least number should be multiplied by 2880 to make it a perfect square:

a. 2   b. 3

c. 4   d. 5

100. Some men went to a hotel. Each man spent as many rupees as there were men. The total money spent was Rs. 81. Find the number of men:

a. 7   b. 8

c. 9   d. 10

101. If a = 4 and b = 1, find the value of (7a – 3b):

a. 25   b. 26

c. 27   d. 28

102. Divide $x^2 – 5x + 6$ by x – 2:

a. x – 2   b. x – 3

c. x – 1   d. x – 4

103. Three points are such that they are not in a straight line. These points ar known as:

a. Collinear point

b. Non-collinear points

c. Intersecting points

d. None

104. Which one of the following is reflex angle:

a. 182°   b. 180°

c. 90°   d. 75°

105. Find the total surface area of six faces of cuboids of length; breadth and height are 25, 20, 15 cm:

a. 2305 cm^2 b. 2200 cm^2

c. 2350 cm^2 d. 4000 cm^2

106. The perimeter of a rectangular field is 1000 m. Find the area of the rectangular field if the ratio of its length and breadth is 3:2.

a. 6000 m^2 b. 7000 m^2

c. 8000 m^2 d. 9000 m^2

107. At what rate Rs. 4000 will amount to Rs. 5000 in 4 years:

a. 6.5%   b. 25%

c. 5%   d. 2.2%

108. What will be the cost of 16 m of cloth if 30 m cost Rs. 345.

a. 180   b. 181

c. 183   d. 184

109. A car running at a speed of 60 km per hour performs a journey in 5 hours. How long would the same journey take if the speed were reduced to 50 km per hour:

a. 5   b. 6

c. 7   d. 8

110. Nidhi gets 75% marks in Hindi in an examination. If the maximum marks be 200, how many marks did she get:

a. 100   b. 150

c. 120   d. 200

111. The weight of 5 boys in a class is 49.6 kg, 39.8 kg, 40.8 kg and 45.2 kg and 24.6 kg. Find its average weight.

a. 10   b. 20

c. 30   d. 40

112. Convert 1589 miligram into grams:

a. 1.589   b. 15.89

c. 158.9   d. 0.1589

113. A man bought a radio for Rs. 250. He paid Rs. 95 in each and remaining in installments of Rs. 15.50. Find the no. of installments:

a. 10   b. 20

c. 30   d. 40

114. A man completes $\frac{4}{30}$ of his journey by acroplane, $\frac{12}{30}$ by train and the rest by taxi. Find what part of his journey he completes by Taxi:

a. 7/15   b. 1/12

c. 2/9   d. 4/19

115. Find the value of: $\dfrac{0.0203 \times 2.92}{0.0073 \times 14.5 \times 0.7} =$

a. 2/3   b. 4/5

c. 5/6   d. None

116. What should be added to 36 007 so that the sum may be 109.2:
   a. 63.120   b. 73.193
   c. 20.362   d. 15.632

117. Find the HCF of 51, 85, 153:
   a. 17   b. 18
   c. 19   d. 20

118. Ram is 5 years older than Shyam and Shyam is 3 years younger than Mohan. If Ram's age is 30 years, how old is Mohan?
   a. 27   b. 28
   c. 19   d. 20

119. The dat of birth of a boy is 4th October, 1968. What will be his age on 1st January, 1980?
   a. 11 years, 2 months, 28 days
   b. 18 years, 2 months, 28 days
   c. 19 years, 2 months, 28 days
   d. 20 years, 2 months, 28 days

120. Find the value: 1.63 x 4.635
   a. 7.55505   b. 2.6932
   c. 1.5693   d. 4.5869

121. 20% of 400 is:
   a. 800   b. 80
   c. 8   d. 40

122. Which one of the following is not a factor of 36:
   a. 6   b. 9
   c. 4   d. 14

123. 8 men can do a piece of work in 7 days. In how many days will 4 men do it?
   a. 4   b. 24
   c. 15   d. 14

124. $\sqrt{21}$ is equal to:
   a. 10   b. 12
   c. 13   d. None

125. Convert 37°C to F:
   a. 98.6 F   b. 97.5 F
   c. 92.3 F   d. None

CAREER INFOWIS INSTITUTE

SAINIK SCHOOL, MILITARY SCHOOL, RIMC, NAVODAYA SCHOOL

ANSWER KEY

General Knowledge								
1. D	4. D	7. C	10. D	13. B	16. B	19. A	22. C	25. A
2. D	5. C	8. C	11. D	14. B	17. C	20. D	23. A	
3. B	6. D	9. A	12. A	15. B	18. C	21. D	24. C	

English								
26. C	29. B	32. C	35. B	38. B	41. D	44. B	47. A	50. D
27. B	30. A	33. D	36. C	39. A	42. C	45. A	48. A	
28. D	31. A	34. A	37. D	40. B	43. A	46. D	49. C	

General Intelligence								
51. A	54. D	57. C	60. A	63. B	66. D	69. A	72. A	75. C
52. B	55. C	58. B	61. D	64. A	67. D	70. D	73. B	
53. D	56. A	59. C	62. D	65. C	68. C	71. C	74. A	

Mathematics									
76. A	81. A	86. B	91. B	96. D	101. A	106. A	111. D	116. B	121. B
77. B	82. D	87. B	92. C	97. C	102. B	107. A	112. A	117. A	122. B
78. C	83. D	88. C	93. D	98. A	103. B	108. D	113. A	118. B	123. D
79. C	84. C	89. A	94. C	99. D	104. A	109. B	114. A	119. A	124. D
80. C	85. C	90. D	95. B	100.C	105. C	110. B	115. B	120. A	125. A