

CMAT 2010

Section I : Verbal ability

Direction: Select the word which is closest to the meaning of bold word.

1. Detonate
a. stalemate b. hinder c. cylinder d. to explode
2. Benediction
a. denunciation b. marriage c. original d. blessing
3. Euphoria
a. witty b. loss of speech
c. state of pleasant excitement d. tempt
4. Fallacious
a. flimsy b. spiteful c. bleak d. misleading
5. Dexterity
a. proficiency b. simplicity c. cunningness d. devotion

Direction: Complete the following sentences with the appropriate choice from among the options that follow.

6. The wound healed but the scar remained as painful of the accident.
a. evidence b. testimony c. reminder d. accord
7. The magician astonished the audience with the with which he performed his trick.
a. catechism b. caveat c. cahoots d. celerity
8. Those who seek from others must learn to forgive and forget.
a. leniency b. clemency c. courtesy d. retribution
9. The thieves tried to with the lock but they did not succeed in breaking it.
a. tamper b. temper c. fiddle d. temperate
10. His ancestral home has been to build a high rise shopping complex.
a. pulled up b. pulled down c. erased d. raged

Direction: Each question below consists of an idiom or a phrase, followed four lettered expressions. Choose the lettered expression that most nearly expresses the meaning of the given idiom or phrase.

11. The Alpha and the Omega
a. All the relevant details b. The beginning and the end
c. To cause misunderstanding d. The best Swiss watches
12. To smell a rat
a. to look for rats b. to be upset
c. to cause misunderstanding d. to suspect trick or foul play
13. A writing on the wall
a. a distinct future possibility b. wall advertisement
c. a legal notice d. a misfortune
14. To worship the rising sun
a. to become pious b. to work honestly
c. to change the profession d. to work for the welfare of people
15. To take one's hand to plough
a. to do basic work b. to commence the work seriously
c. to change the profession d. to do an unimportant job

Direction: The following paragraph has a number of blanks marked 16-20 followed by a set of options. Mark the ones that best complete the blanks.

Formally speaking letters may be said to 16..... into two categories; the formal and the personal. Formal letters 17..... of official or business matters and are addressed to the employer or head of a department, section or institution. Letters to the 18..... of a newspaper also belong to this class. In fact all 19..... using formal pattern is of this category. The 20..... has to be precisely stated.

- | | | | |
|----------------------|--------------|-------------------|--------------|
| 16. a. belong | b. fall | c. split | d. convert |
| 17. a. comprise | b. consist | c. deal | d. inclusive |
| 18. a. correspondent | b. reader | c. owner | d. editor |
| 19. a. letters | b. matters | c. correspondence | d. issues |
| 20. a. content | b. criticism | c. case | d. theme |

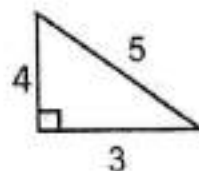
Direction: The passage given below is followed by questions based on its contents. After reading the passage, choose the best answer to each question.

IVAN PAVLOV (1849-1936) the Russian psychologist who won the Noble Prize in 1904 showed how reflexes, animal reactions to stimuli, could be predictably fixed, conditioned, by associations. If, for example, a dog salivates, when it sees food and if bringing food is uniformly preceded by ringing of bell, soon the dog will begin to associate the bell with the coming food and will be conditioned to salivate at the sound of the bell. This discovery of conditioning by association has turned out to perhaps the most significant finding of psychology and is the direct base of the Gestalt and the behavioral branches of the field.

21. Pavlov showed that
 - a. Dogs salivate when the bell rings.
 - b. Reflexes can be associated
 - c. Reflexes can be conditioned.
 - d. Animals can be trained to behave in a particular way.
22. A reflex is
 - a. An animal reaction to a stimulus.
 - b. A stimulus resulting from a previous reaction.
 - c. Predictable reaction of animals.
 - d. An acquired response to a stimulus.
23. In the experiment explained above, the bell was rung
 - a. After the food was given.
 - b. Before the food was given.
 - c. During the time the dog ate food.
 - d. Before the dog started salivation.
24. Pavlov's experiment with the dog would not have been possible
 - a. If the bell was not used.
 - b. If the dog did not salivate at the sight of food.
 - c. If the bell was not rung for along time.
 - d. If the bell was not rung uniformly.
25. Pavlov was a
 - a. Russian physiologist
 - b. Celtic psychologist
 - c. Russian psychologist
 - d. Animal psychologist

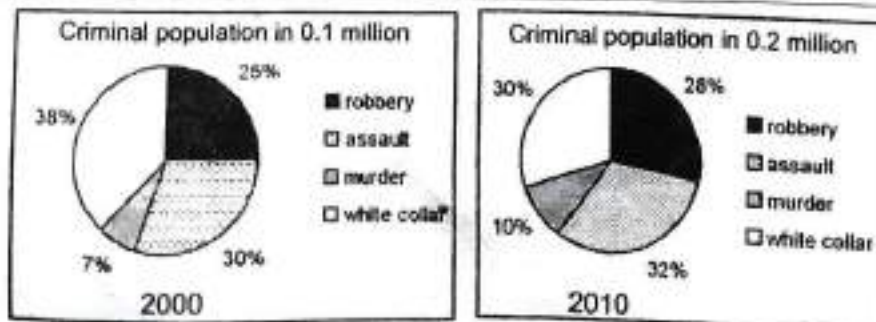
Section II: Quantitative ability

26. The digits of a three- digit number add up to 18. If the ten's digit is twice of the hundred's digit and hundred's digit is $\frac{1}{3}$ of the unit digit, what is the number?
 - a. 246
 - b. 369
 - c. 531
 - d. 893
27. If $\frac{X^5 - 5X^3 - 16}{8} = 1$, then X could be
 - a. 2
 - b. 3
 - c. 5
 - d. 8
28. In given triangle, what is the area of triangle to the right?
 - a. 4
 - b. 5
 - c. 6
 - d. 8
29. If $x > y > 0$, which of the following are true?
 - I. $\frac{x+y}{y+1} > \frac{x}{y}$
 - II. $\frac{x+1}{y+1} = \frac{x}{y}$
 - III. $\frac{x+y}{y+1} > 1$
 - a. III only
 - b. I only
 - c. II only
 - d. I and II only



30. If $a \Delta b$ is defined to be $\frac{a+b}{a-b}$, then what the value of $\frac{0\Delta2}{0\Delta3}$?
- a. $2/3$ b. 1 c. $3/2$ d. 2
31. For all real numbers of x and y , let $x \# y = (xy) 2 - (x+y)^2$ what is the value of y that makes $x \# y$ equal to x^2 for all value of x ?
- a. 7 b. 5 c. 2 d. 0
32. If x and y are prime numbers, which of the followings can't be difference of x and y ?
- a. 9 b. 15 c. 23 d. 30
33. If x and y are both prime and greater than 2, then which of the following cannot be a divisor of xy ?
- a. 2 b. 3 c. 11 d. 15
34. X is both a cube and square of an integer and x is between 2 and 200, what is the value of x ?
- a. 16 b. 64 c. 125 d. 169
35. Which of the following numbers is the greatest positive integer x such that 3^x is a factor of 27^5 ?
- a. 25 b. 19 c. 15 d. 10
36. If 4% of $(p+q)$ is 8 and p is positive integer, which is the greatest value of q ?
- a. 197 b. 198 c. 199 d. 200
37. If $2x+y = 3$ and $3y = 9 - 6x$, how many solution does the given system of equations have?
- a. none b. infinite c. one d. two
38. In travelling from city A and B, John drove for 1 hour at 50 mph. and for 3 hours at 60 mph., what was average speed of his trip?
- a. 53.5 b. 55 c. 56 d. 57.5
39. If the average six consecutive integers in increasing order size is 9.5, what is the average of the last three numbers?
- a. 11 b. 10 c. 9 d. 8
40. If the product of two integers is odd, then sum of those two integers must be
- a. odd b. even c. prime d. a perfect square
41. If two non-zero positive integers p and q are such that $p=4q$ and $p<8$, then q equals to
- a. 4 b. 3 c. 2 d. 1
42. Suppose $x=(y-2) = (y+5)/2$, then x equals
- a. $1/3$ b. 7 c. 1 d. $7/6$
43. $\sqrt{(31-6)(16+9)}$ equals
- a. 5 b. 10 c. 25 d. 30
44. A jar contains 4 blue balls and 40 red balls. Which of the following is % of blue balls?
- a. 9 b. 10 c. 11 d. 12
45. Stella paid Rs.32000 for a computer after receiving 20% discount. What is the price of Computer before discount?
- a. 35000 b. 38000 c. 40000 d. 42000
46. Seven workers can assemble a car in 8 hours, how long it would take 12 workers to assemble the same car?
- a. $7/2$ hrs b. $14/3$ hrs c. $11/2$ hrs d. $19/3$ hrs

Direction: In questions 47 to 50, you are required to choose the correct answer based on given information.
Distributions of criminal activity by category of crime for country X in 2000 and projected for 2010.



47. What is the projected number of white collar criminals in 2010?
 a. 40,000 b. 50,000 c. 60,000 d. 65,000
48. The ratio of number of robbers in 2000 to the number of projected robbers is
 a. 25/50 b. 25/60 c. 1/4 d. 2/3
49. What is the approximate projected percent increase between 2000 and 2010 in the number of criminals in murder?
 a. 100% b. 102% c. 104% d. 106%
50. What is the net percentage increase in Assault in 2010?
 a. 20% b. 70% c. 90% d. 100%

Section III: Logical reasoning

Direction: Select logically best answers.

51. He is not liked because he drinks
 a. All who are not liked are drinkers. b. Some are not liked because they drink.
 c. Some non-drinkers are not liked. d. All drinkers not liked.
52. She does not do well in the exams because she does not study hard.
 a. All who do not study hard do poorly in exams.
 b. All who study hard do well in the exams.
 c. Some always do not do well in the exams.
 d. Some always perform poorly in the exams.
53. All rich are happy because they have money.
 a. All those who are happy have money. b. All who have money are happy.
 c. Some rich are not happy. d. Some who are poor are happy.
54. Ducks can swim because they have wings.
 a. All having wings can swim. b. Some which can swim have wing.
 c. Which can swim have wings d. Some can swim may not have wings.
55. Football is a great game because many people like it.
 a. All games are liked by people. b. Football is liked by all people.
 c. All games which are liked by people are great.
 d. Football is liked by all.

Direction: Find the odd one out.

56. a. IBM b. Hewlett-Packard c. Apple d. Orange
57. a. Uncle b. Aunt c. Sister in law d. Brother
58. a. Aeroplane b. Rocket c. Bullet Train d. Jet Plane
59. a. Nylon b. Jute c. Cotton d. Wool
60. a. Accelerator b. Petrol c. Braki d. Steering wheel

Direction: Two words on the left side of the sign :: bears same relationships. The same relationship exists between the third word and the word provided in the answer choices. Select the logically best word.

61. Whisper: Shout:: walk:
 a. Race b. Stop c. Run d. Stand
62. Engine: Motor:: Foundation
 a. Stone b. Bricks c. Basis d. Structure
63. Undo: Do:: Ignorance:
 a. Reason b. Intelligence c. Genius d. Fool
64. Heaven: Hell:: Flood:
 a. Disaster b. Calamity c. Drought d. Erosion
65. Hunger: Food:: Fatigue:
 a. Sleep b. Rest c. Take vitamins d. Eat

Direction: Select the pair of words that best expresses the relationship similar to the given pair of words.

66. Curve : Accident :: ?
 a. Road : Footpath b. Vehicles : Accident
 c. Dirt : Disease d. Road : Heavy traffic
67. Shoe : Leather ::
 a. Brick : Clay b. Cement : Building c. Match : Fire d. Cotton : Clothes
68. Fur : Soft :: ?
 a. Wood : Thick b. Wool : Warm c. Silk : Expensive d. Iron : Hard
69. Student Teacher ::
 a. Guide : Friend b. Devotee : Religion c. Love : Baby d. Player : Coach
70. Religious : Atheist :: ?
 a. Hard : Soft b. Warm : Hot c. Group : Single d. Cold : Cool

Direction: In questions 71 to 75, you are required to choose from the four diagrams marked A, B, C, and D the one that illustrates the relationship among the three given classes better than any other.



71. Singapore, Hongkong, Macao
 a. A b. B c. C d. D
72. Tribhuvan University, Shanker Dev Campus, Nepal Commerce Campus
 a. A b. B c. C d. D
73. Asia, Afghanistan, Kabul
 a. A b. B c. C d. D
74. Father, Mother, Nurse
 a. A b. B c. C d. D
75. Kathmandu, Godavari, Gokarna
 a. A b. B c. C d. D

Section IV: General Awareness

76. Who was awarded the Golden Boot in world cup 2010?
 a. Snijder, W. b. David Villa c. Diego Forlan d. Thomas Muller
77. Which of the following country has the highest per capita income?
 a. UK b. Norway c. Canada d. Australia
78. Which of the following city is the most expensive to live in?
 a. Tokyo b. Luanda c. Oslo d. Copenhagen
79. Which country is considered as the poorest country in the world?
 a. Burundi b. Niger c. Somalia d. Zimbabwe
80. SPSS indicates
 a. Statistical Package to Social Science b. Short Package to Social Science
 c. Strategic Package to Social Service d. Straight Process of Social Service
81. Which temple in Kathmandu does not have pinnacle?
 a. Pashupati b. Kathmandu Ganesh
 c. Mahankalsthan d. Sankata

82. "Nelson Mandela International Day" was recognized by the UN on
 a. July, 10 b. July, 15 c. July, 18 d. August, 1
83. NBEX is a newly introduced brand of
 a. Radio Station b. Television Channel
 c. Newspaper d. Educational Institution
84. The currency of UAE is
 a. Riyal b. Saudi Riyal c. Dirham d. Ringit
85. What is the pass percentage of SLC examination of 2066 BS?
 a. 68% b. 66.1% c. 65.5% d. 64.13%
86. Which of the following industry is considered as the biggest industry in the world?
 a. Film b. IT c. Tourism d. Dairy
87. Who own the prestigious CMO Asia Brand Builder of the Year Award for developing suture-less cataract surgery, a form of surgery that does not require stitching?
 a. Dr. Sanduk Ruit b. Dr. Ram Prasad Pokhrel
 c. Dr. Deep Bdr Karki d. Dr. Sashanka Koirala
88. Who is the ambassador of Nepal to UK?
 a. Damodar Gautam b. Dr. Shanker Sharma
 c. Dr. Suresh Chalise d. Rukma Shamsar Rana
89. What is the projected inflation rate according to monetary policy announced by Nepal Rastra Bank for the fiscal year 2010-011?
 a. 5% b. 6% c. 7% d. 8%
90. Which of the following is the projected Gross Domestic Product GDP., rate of monetary policy for 2010-11 announced by Nepal Rastra Bank?
 a. 8.2% b. 6.5% c. 6.0% d. 5.5%
91. Gautam Buddha International Peace Award is the Nepal's biggest international award which carries apurse of
 a. US \$50000 b. US \$55000 c. US \$70000 d. US \$75000
92. G-4 comprises of the following countries
 a. India, Brazil, Germany and Japan b. Brazil, India, Japan and Thailand
 c. Brazil, Singapore, Japan and China d. China, Philippines, Pakistan and Bangladesh
93. What is the capacity of the highly talked Upper Tamakoshi Hydro Project?
 a. 600MW b. 550MW c. 500 MW d. 456 MW
94. "Coblenger" is the brand name of
 a. All Natural Premium Beer b. Natural Beauty Cream for Men
 c. Natural Beauty Cream for Women d. Anti-dandruff Shampoo
95. "One Account: One Tree" is a campaign officially launched by
 a. Bank of Kathmandu b. Laxmi Bank
 c. Kumari Bank d. Everest Bank
96. On July 20, 2010 Tribhuvan University celebrated its anniversary. Which anniversary was that?
 a. 49th b. 50th c. 51st d. 52nd
97. In which country the world cup 2014 is going to be held?
 a. USA b. China c. France d. Brazil

98. To which country the pop star Shakira who performed at the world cup kickoff concert in Johannesburg belongs to?
- a. Mexico b. South Africa c. Columbia d. UK
99. "Friendships begin with linking or gratitude- roots that can be pulled up". Whose thought is this?
- a. S.S. Maugham b. G.B. Shaw c. Shakespeare d. George Eliot
100. Who was awarded Noble prize for Economics in 2010?
- a. Elinor Ostron b. Oliver F. Williamson
- c. Elinor Ostron and Oliver F. Williamson d. None of the above

Answer Sheet

1. d	2. d	3. c	4. d	5. a	6. c	7. d	8. b	9. a	10. b
11. b	12. d	13. d	14. c	15. b	16. b	17. b	18. d	19. c	20. d
21. c	22. a	23. b	24. d	25. c	26. b	27. a	28. c	29. d	30. b
31. d	32. d	33. a	34. b	35. c	36. c	37. c	38. d	39. a	40. b
41. d	42. b	43. d	44. a	45. c	46. b	47. c	48. a	49. d	50. d
51. b	52. a	53. b	54. b	55. c	56. d	57. c	58. c	59. a	60. b
61. c	62. c	63. b	64. c	65. b	66. c	67. a	68. d	69. d	70. a
71. a	72. b	73. d	74. a	75. c	76. d	77. b	78. a	79. a	80. a
81. b/d	82. c	83. b	84. c	85. d	86. c	87. a	88. c	89. c	90. a
91. a	92. a	93. d	94. a	95. b	96. c	97. d	98. c	99. d	100. d