

CMAT 2019

Section-I: Verbal Ability

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

Marie Curie was one of the most accomplished scientist's histories. Together with her husband, Pierre, she discovered radium, an element widely used for treating cancer, and studied uranium and other radioactive substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of the atom.

Marie was born in 1867 in Warsaw, Poland, where her father was a professor of physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning prompted her to continue with was to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctorate in physics.

Maria was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Marie and Pierre were married in 1895 and spent many productive years working together in the physic laboratory. A short time after they discovered radium, Pierre was killed by a horse-drawn wagon in 1906. Marie was stunned by this horrible misfortune and endured heartbreaking anguish. Despondently she recalled their close relationship and that they had shared in scientific research. The fact that she had two young daughters to rise by herself greatly increased her distress.

Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics protest at the Sorbonne. She was the first woman to be given a professorship at the world-famous university. In 1911 she received the Noble Prize in chemistry for isolating radium. Although Marie Curie eventually suffered a fatal her long exposure to radium, she never become disillusioned about her work. Regardless of the consequences, she had dedicated herself to science and to revealing the mysteries of the physical world.

1. The Curies' collaboration helped to unlock the secrets of the atom.
a. friendly b. competitive c. courteous d. Industrious
2. Her contemporary friend was with whom she married.
a. Newton b. David Curie c. Pierre Curie d. Albert Einstein
3. She became a popular scientist. The main reason to encourage her be a great scientist is
a. Her great enthusiasm b. Her grate bravery
c. Economic condition d. Support from her friends
4. This passage tells us that Madam Curie was awarded Nobel Prize because of her contribution to
a. Astronomy b. Physics c. Biology d. None of them
5. she remembered their joy together.
a. Dejectedly b. Worried c. Tearfully d. Happily

Direction: Select the correct word from the given options.

6. We have no prejudice foreigners
a. towards b. to c. with d. against
7. behalf of the staff, Kumar read the address.
a. in b. to c. on d. with
8. In case need, phone 0.15195568.
a. of b. to c. on d. with
9. Just walk the station and looked for a temple.
a. with b. past c. across d. along
10. He/She stayed in bed lunch time.
a. by b. for c. until d. on

Directions: in the following questions, choose the word which best expresses the meaning of the capitalized word.

11. BRIEF
a. Limited b. Small c. Little d. Short

12. RESCUE
a. Help b. Command c. Defense d. Safety
13. QUOTA
a. Quotation b. Quote
c. Limited number d. Unlimited quantity
14. VISUALIZE
a. To see future b. Vision c. Void d. Vector
15. FAKE
a. Original b. Limitation c. Trustworthy d. Loyal

Direction: Supply the correct word/words from the given options to complete the given sentences.

16. Yes/no question of the statement 'She had to submit her homework's. Is..... to submit her homework'
a. Did she have to b. Did she had to c. Do she have to d. Does she have to
17. Don't let him come in. It becomes passive as..... come in.
a. Let him not b. Don't let him c. You let him not d. Let not him
18. You have to buy a rain coat. This means, "A rain coat
a. has been bought b. have to be bought
c. has to be bought d. had to be bought by you
19. The negative statement of 'He has already finished his home assignment' Is he hasn't
a. already finished his home assignment
b. finished his hoe assignment
c. already finished his home assignment yet
d. finished his home assignment yet
20. "Who told you about the accident? The passive from of this question is
a. By whom you were told about the accident?
b. By whom were you told about the accident?
c. Whom you were told about the accident?
d. By whom you were tell about the accident.

Direction: Each question below consists of an idiom or phrase followed by four lettered expression. Choose the lettered expressions that nearly express the meaning of the idiom or phrase.

21. Throw a party
a. Leave the party b. Celebrate
c. Throw food in the party d. Start conflict in the party
22. The rest in history
a. History takes rest b. Known to everyone
c. To avoid historical facts d. History repeats itself
23. Live like a king
a. Live a very high quality life b. Live like king of Nepal
c. Live the life of a saint d. Live like Indra, the king of Heaven
24. Warm as toast
a. Very hot b. Very fresh c. Lukewarm d. Cold
25. Ride out the storm
a. To overcome difficulty b. To come out in the storm
c. To play in the storm d. Ride a horse

Section-II: Quantitative Ability

26. If '-' means 'minus', 'x' means 'divided by' means 'plus' and ' means 'multiply by' then which of the following will be the value of the expression $252 \times 9 - 5 + 32 \div 92$?
a. 95 b. 168 c. 192 d. 200
27. If Q means 'add to', J means 'multiply by', T means 'subtract from' and K means 'divide by', then $30 \text{ K } 2 \text{ Q } 3 \text{ J } 6 \text{ T } 5 = ?$
a. 18 b. 28 c. 31 d. 103

28. Arrange the following in a logical order: (1) Shoulder (2) wrist (3) Elbow. (4) Palm and (5) Finger
 a. 1,2,3,1 b. 3,1,4,2,5 c. 3,4,5,2,1 d. 5,4,2,3,1
29. Arrange the following in a meaningful sequence: (1) Phrase, (2) Letter, (3) Word and (4) Sentence
 a. 1,2,3,4 b. 1,2,3,4 c. 2,3,1,4 d. 2,3,4,1
30. A group consisting of 25 teachers, 20 engineers, 18 doctors and 12 salesmen visited a fair and spent Rs. 1330 altogether. It was found that 5 teachers spent as much as 4 engineers, 12 engineers spent as much as 9 doctors and 6 doctors spent as much as 8 salesmen. If every person in a professional group spent the same amount, find the amount spent by each engineers.
 a. Rs. 14 b. Rs. 17.50 c. Rs. 18 d. Rs. 21
31. A, B, C, and play a game of cards. A says to B. "If I give you 8 cards, you will have as many as Chas and I shall have 3 less than what C has. Also if take 6 cards from C, I shall have twice as many as D has. If B and D together have cards, how many cards has A got?
 a. 40 b. 37 c. 27 d. 23
32. The age of a father is twice that of the elder son. Ten years hence the age of the father will be three times that of the younger son. If the difference of ages of the two sons is 15 years, the age of the father is:
 a. 70 years b. 60 years c. 55 years d. 50 years
33. In a group of persons travelling in a bus, 6 persons can speak French, 15 can speak Spanish and 6 can speak English. In that group, none can speak any other language. If 2 persons in the group can speak two languages and one person can speak all the three languages, then how many persons are there in the group?
 a. 21 b. 22 c. 23 d. 24
34. The total number of digits used in numbering the pages of a book having 366 pages is.....
 a. 732 b. 990 c. 1098 d. 1305
35. At the end of a business conference the ten people present all shake hands with each other once.
 a. 20 b. 45 c. 55 d. 90
36. A monkey climbs 30 feet at the beginning of each hour and rests for a while when he again starts climbing in the beginning of the next hour. If he begins his ascent at 8:00 a.m., at what time will he first touch a flag at 120 feet from the ground?
 a. 4:00 p.m. b. 5:00 p.m. c. 6:00 p.m. d. None of these
37. Find the missing number from among the given alternatives.

1	2	3
4	5	6
7	8	9
27	38	?

- a. 49 b. 50 c. 51 d. 52
38. The angle of elevation of top of a tower from a point on the ground is found to be 45 degree. By going 50 meters further away from the tower, it is found to be 30 degree. In such situation the height of the tower is
 a. 78.3 meters b. 63.1 meters c. 68.3 meters d. none of these
39. Study the following table and choose the alternative which can best replace the sign of interrogation (?)

3	8	10	2	?	1
6	56	90	2	20	0

- a. 7 b. 5 c. 3 d. 0
40. The mode of the given distribution is

Weight (in kg)	40	43	46	49	52	55
No. of children	5	8	16	9	7	3

- a. 40 b. 46 c. 55 d. None of these

41. Which one of the following statement is correct for a square?
- Diagonals are equal and bisect each other at right angles
 - Diagonals are unequal and do not bisect each other
 - Diagonals are equal and do not bisect each other
 - Diagonals are unequal and bisect each other at right angles.
42. The system of equation : $3x + y - 1 = 0$ and $6x + 2y - 2 = 0$
- has $x = 1$ and $y = 2$ as a solution
 - has $x = -1$ and $y = 2$ as a solution
 - does not have a solution
 - has infinitely many solutions to are
43. The value of the expression $16x^2 + 24x + 9$ for $x = -3/4$ is
- 2
 - 1
 - 0
 - 1
44. If A is real and $1 + A + A^2 + A^3 = 40$, then the value of A is
- 3
 - 1
 - 1
 - 3
45. If $a/b = 3/4$, then the ratio of $6a + b$ to $4a + 5b$ is
- 1:2
 - 3:5
 - 7:8
 - 11:16
46. A and B are the square matrices of same order such that $AB = A$ and $BA = B$, A is
- diagonal matrix
 - idempotent matrix
 - null matrix
 - symmetric matrix
47. A and B are square matrix of some order, $(A - B)^2$ is equal to:
- $A^2 - 2AB + B^2$
 - $A^2 + B^2$
 - $A^2 - 2BA^2 + B^2$
 - $A^2 - BA - AB - B^2$
48. If a man reduces the selling price of a fan from Rs. 400 to Rs. 380, his loss increases from $x\%$ to $(x+4)\%$. Is the cost price of the fan is
- Rs. 420
 - Rs. 550
 - Rs. 500
 - Rs. 400
49. A coin is flipped once. What is the probability of getting either tail or head?
- 1
 - 1/3
 - 1/2
 - 1/4
50. The average age of boys in the class is twice the number of girls in the class. If the ratio of boys and girls in the class of 36 is 5:1, what is the total of the ages in years of the boys in the class?
- 196
 - 360
 - 392
 - 420

Section - III: Logical Reasoning

Directions: The following questions consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words:

51. Run: Race
- Enjoy Journey
 - Lecture: Study
 - Study: Book
 - Party: Dance
52. Tree: Branches
- River: Tributaries
 - Continent: Island
 - Stream: Delta
 - Ocean: Seas
53. Visitor: Welcome
- Beggar: Hungry
 - Worship: God
 - Criminal: Prosecuted
 - Warrior
54. Satisfy: Hunger
- Quell: Rebellion
 - Frantic: Composed
 - Criminal: Prosecute
 - Thirst: Quench
55. Bus: Driver
- Cook: Kitchen
 - Class: Student
 - War: Solidarity
 - Machine: Operator

Direction: Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.

56. Chain: Link Bridge
- They all have book
 - They are related with ornaments
 - They join two parts
 - They terms are related with prison

70. A basket has as many mangoes as it has oranges. Three-fourths of the fruits are yellow.
- All fruits are ripe
 - At least one half of the oranges are yellow
 - All mangoes are ripe
 - None of these

Direction: Find the missing term in each of the following series:

71. 0, 6, 24, 60, 120, 210, ?
- 240
 - 290
 - 336
 - 504
72. 1, 9, 25, 49, ?, 121
- 64
 - 81
 - 91
 - 100
73. 20, 20, 19, 16, 17, 13, 14, 11, ?, ?
- 10, 10
 - 10, 11
 - 13, 14
 - 13, 16
74. R, U, X, A, D, ?
- F
 - G
 - H
 - I
75. A, CD, GHI, ?, UVWXY
- LMNO
 - MNO
 - MNOP
 - NOPQ

Section - IV: General Awareness

76. In which district, there are largest number of peaks above 8,000 meters?
- Myagdi
 - Solukhumbu
 - Sankhuwasabha
 - Taplejung
77. What is the minimum age requirement of a person in Nepal to be eligible to vote in national election?
- 18 years
 - 21 years
 - 23 years
 - 25 years
78. When had Junko Tabei climbed Mt. Everest?
- 1951
 - 1953
 - 1975
 - 1977
79. When and where did the First ICC World Cup take place?
- 1950 Pakistan
 - 1975 England
 - 2000 West Indies
 - 2007 Shree Lanka
80. A period low general economic activity is known as
- Boom
 - Depression
 - Recession
 - Recovery
81. Which of the following currencies has the lowest value in terms of rupees?
- US Dollar
 - Tea
 - Yen
 - Pound
82. Which of the following not export item from Nepal?
- Garments
 - Tea
 - Pashmina Shawl
 - Palm Oil
83. The 'turmeric' is obtained from..... part of a plant.
- Stem
 - Root
 - Fruit
 - Flowers
84. Which of the following name is associated with aircraft?
- Marconi
 - James Watt
 - Peter Paul
 - January 1
85. The world Environment Day is celebrated on:
- June 5
 - December 10
 - April 23
 - January 1
86. Which is the longest day on the earth?
- June 21
 - March 22
 - January 21
 - August 21
87. Marble is a kind of
- Igneous rock
 - Sedimentary rock
 - Metamorphic rock
 - Mineral rock
88. What is 'white paper'?
- A special kind of writing paper
 - A Japanese delicacy
 - A document published by government giving facts
 - A paper used for packing

89. What is the full form of DTH?
 a. Double Transmission Hub b. Direct To Home
 c. Density Thin Heater d. Direct Tetanus Healing
90. Who was the teacher (guru) of Alexander the Great?
 a. Gothe b. Plato c. Socrates d. Aristotle
91. The person who specialized in skin diseases is called
 a. Endocrinologist b. Gerontologist c. Dermatologist d. Gynecologist
92. Which of the following mobile company is named by river?
 a. Carbon b. Samsung c. Nokia d. LG
93. If father has blood group A and mother has blood group O, then which one of the following blood group may be found in their son?
 a. A b. B c. O d. AB
94. Which one of the following is correctly matched?
 a. Malaria-Fungi b. Ring Worm-Virus
 c. Common cold-Protozoa d. Cholera-Bacteria
95. Sunlight provides
 a. Vitamin D to the body b. Vitamin K to the body
 c. Vitamin B to the body d. Vitamin A to the body
96. Moving a firm or industry from the private sector to the public sector is called
 a. Ownership b. Nationalization c. Monopoly d. Privatization
97. 'Bank of the Year 2018' was awarded by financial Times of Britain to:
 a. Prabhu Bank Ltd. b. NMB Bank Ltd.
 c. NABIL Bank Ltd. d. NIC Asia Bank Ltd.
98. How many articles were there in the "Treaty of Sugauli"?
 a. 4 articles b. 7 articles c. 9 articles d. 10 articles
99. The smallest bone in our body is in
 a. Nose b. Ear c. Chin d. Fingers
100. Mortality table is used to compute the premium of
 a. Fire insurance b. Life insurance
 c. Accident insurance d. Vehicle

Answer Sheet

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