



CMAT TEST -2079

Time: 2hrs

Name: _____

Eng.	Maths	GK	Total
40	50	15	105

Answer list for multiple choice questions (MCQs): Shade the correct answer.

	a	b	c	d
Q. 1				
Q. 2				
Q. 3				
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Q. 103				
Q. 104				
Q. 105				



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40	50	15	105

Time: 2hrs

Name: _____ Symbol No: _____

Subject: English:

40×1=40

Read the given passage and answer the questions that follow:

On Saturday, December 12th, from 10 A.M. until 4 P.M., Carverton Middle School will be holding a music festival in the school gymnasium. The special event will feature a variety of professional musicians and singers.

Task	Time	Date
Make posters	1 P.M.– 4 P.M.	December 5 th
Set up gym	11 A.M.– 4 P.M.	December 11 th
Help performers	9 A.M.– 4 P.M.	December 12 th
Welcome guests	10 A.M.– 2 P.M.	December 12 th
Clean up gym	4 P.M.– 7 P.M.	December 12 th

Interested students should speak with Ms. Braxton, the music teacher. Students who would like to help at the festival must have written permission from a parent or guardian.

- What time will the festival begin?**
a. 10 A.M. b. 11 A.M. c. 1 P.M. d. 2 P.M.
- In line 2, the word feature is closest in meaning to _____.**
a. look b. keep c. include d. entertain
- What job will be done the day before the festival begins?**
a. *Setting up gym* b. *Making posters*
c. *Cleaning up the gym* d. *Helping the performers*
- Who is told to talk to Ms. Braxton?**
a. *Parents* b. *Students* c. *Teachers* d. *Performers*

Read the given passage and attempt the questions that follow.

When another old cave is discovered in the south of France, it is not usually news. Rather, it is an ordinary event. Such discoveries are so frequent these days that hardly anybody pays heed to them. However, when the Lascaux cave complex was discovered in 1940, the world was amazed. Painted directly on its walls were hundreds of scenes showing how people lived thousands of years ago. The scenes show people hunting animals, such as bison or wild cats. Other images depict birds and, most noticeably, horses, which appear in more than 300 wall images, by far outnumbering all other animals.

Early artists drawing these animals accomplished a monumental and difficult task. They did not limit themselves to the easily accessible walls but carried their painting materials to spaces that required climbing steep walls or crawling into narrow passages in the Lascaux complex.

5. Which title best summarizes the main idea of the passage?
- a. *Wild Animals in Art* b. *Hidden Prehistoric Paintings*
c. *Exploring Caves Respectfully* d. *Determining the Age of French Caves*
6. In line 2, the phrase **pays heed to** is closest in meaning to _____.
- a. *discovers* b. *watches* c. *notices* d. *buys*
7. Based on the passage, what is probably true about the south of France?
- a. *It is home to rare animals.* b. *It has a large number of caves.*
c. *It is known for horse-racing events.*
d. *It has attracted many famous artists.*
8. According to the passage, which animals appear most often on the cave walls?
- a. *Birds* b. *Bison* c. *Horses* d. *Wild cats*
9. In line 6, the word **depict** is closest in meaning to _____.
- a. *show* b. *hunt* c. *count* d. *draw*
10. _____ he waited for the doctor to call him in, Sam sat in the waiting room and read the newspaper.
- a. *So that* b. *While* c. *Even if* d. *Besides when*
11. _____ our low annual fee, you will receive a 20% discount if you sign up this week.
- a. *Because* b. *While* c. *Because of* d. *In addition to*
12. Ruby loves blueberry pie _____ it is made with freshly picked blueberries.
- a. *whether* b. *because* c. *when* d. *as if*
13. The noise from the lawn mowers _____ louder as the morning progresses.
- a. *gets* b. *get* c. *have gotten* d. *are getting*
14. Rahul comes to Pokhara **once in a blue moon**, thus I have not met him for years.
- a. *rarely* b. *frequently* c. *Never* d. *sometimes*
15. Which one is incorrect?
- a. *A grain of sand* b. *A fragment of salt*
c. *A flake of snow* d. *A ray of light*
16. Neither of my friends _____ lately received a shot.
- a. *has* b. *had* c. *have* d. *has had*
17. If you cancel the trip, you _____.
- a. *will fine* b. *will be fined*
c. *will have fined* d. *would fine*
18. She reached home _____ 9PM.
- a. *on* b. *by* c. *at* d. *with*

19. The master had his servant _____ the dog.
 a. *massage* b. *to massage* c. *massaged* d. *massaging*
20. _____ is she? She is the Principal of this school.
 a. *Who* b. *What* c. *Whom* d. *Whose*
21. Which of the words is spelt correctly?
 a. *maintenance* b. *maintainance*
 c. *maintinence* d. *mentenienc*
22. Raymond is ill _____ fever.
 a. *with* b. *of* c. *by* d. *in*
23. My father bought me _____ flute yesterday.
 a. *a* b. *an* c. *the* d. *none*
24. A number of boys _____ failed in maths.
 a. *has* b. *have* c. *having* d. *to have*
25. Two-thirds of the guests _____ having meal.
 a. *was* b. *were* c. *have* d. *has*
26. A pair of pants _____ for sale.
 a. *is* b. *are* c. *has* d. *have*
27. It started to rain while we _____ tennis.
 a. *are playing* b. *were playing* c. *have played* d. *played*
28. Unless you study sincerely, you _____ good grades.
 a. *won't get* b. *will get* c. *would get* d. *would have got*
29. She was made _____ in the party.
 a. *dance* b. *to dance* c. *dancing* d. *danced*
30. Did you get your coat _____?
 a. *wash* b. *washing* c. *to wash* d. *washed*
31. 'He knew us'. The passive transformation of the sentence is _____.
 a. *he was known by us* b. *we were known by him*
 c. *we were known to him* d. *he was known to us*
32. I saw him sing. The passive transformation of the sentence is _____.
 a. *he was seen to sing* b. *song was sung by him*
 c. *I was seen to sing* d. *I was sung*
33. A person who changes his religious belief is called _____.
 a. *rebel* b. *renegade* c. *konoclast* d. *heretic*
34. One who sells sweets is _____.
 a. *sweet man* b. *confectioner*
 c. *stationer* d. *sweetish*

35. I prefer tea _____ coffee.
 a. to b. from c. than d. by
36. Mr. Tamang _____ the table an hour ago.
 a. laid b. lied c. lain d. is lying
37. He asked me where _____.
 a. is my book b. my book is c. my book was d. all the above mentioned
38. Which of the sentences is correct?
 a. I got the doctor sign the prescription b. I got the doctor signed the prescription
 c. I got the doctor to sign the prescription d. I got the doctor signing to prescription
39. My niece has five cups of tea every day, _____?
 a. hasn't he b. hasn't she c. doesn't he d. doesn't she
40. Neither my teachers nor David _____ informed me about the meeting.
 a. has b. have c. are d. is

Subject: Mathematics:

50×1=50

41. How many subsets can be formed from the set $A = \{a, b, c\}$?
 a. 3 b. 6 c. 8 d. 9
42. The price of a book including 13% VAT is Rs. 339, what is its price excluding VAT?
 a. Rs. 300 b. Rs. 383.07 c. Rs. 294.93 d. Rs. 44.07
43. What is the last digit while calculating $(6)^{132}$?
 a. 2 b. 6 c. 0 d. 8
44. If $x \square y = (x + y)^2 - (x - y)^2$, then $\sqrt{5} \square \sqrt{5}$ equals: _____.
 a. 5 b. 10 c. 15 d. 20
45. If the 20% of the price of a mobile set is 40, what is its original price?
 a. 200 b. 8 c. 48 d. 32
46. Between any two rational numbers, there are _____.
 a. no rational numbers b. only one rational number
 c. finite rational numbers d. infinite rational numbers
47. If a coin is tossed two times, what is the probability of the event of getting both heads?
 a. $\frac{1}{2}$ b. $\frac{1}{4}$ c. 1 d. 0
48. There are 30 girls and 20 boys in a class. The percentage of girls in the class is _____.
 a. 60% b. 90%
 c. 75% d. 30%

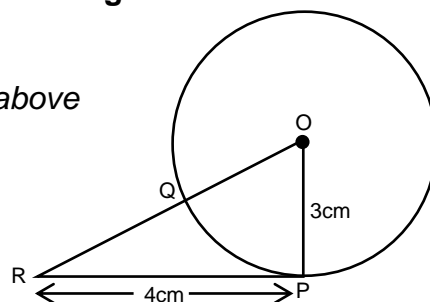
49. If $x = y = 2z$ and $xyz = 256$, find the value of x .
 a. 4 b. 8 c. 7 d. 16
50. The sum of the ages of 5 children having difference of 3 years is 50, the age of the youngest child is _____.
 a. 6 b. 8 c. 4 d. 10
51. A triangle and a parallelogram are on the same base and between same parallel lines then the ratio of the area of triangle to parallelogram is _____.
 a. 2:1 b. 1:2 c. 1:1 d. 3:1
52. The number of surfaces of a cone is _____.
 a. 1 b. 2 c. 3 d. 4
53. The sum of the digits of a two digit number is 7 and their product is 12, then the number is _____.
 a. 34 b. 43 c. both a and b d. none of these
54. If 25 pens cost Rs. 246, how many pens can be bought for Rs. 984?
 a. 100 b. 85
 c. 92 d. 95
55. According to the annual compound interest system, what is the formula to calculate the annual compound interest on principle P, rate R and time T?
 a. $P\left(1 + \frac{R}{100}\right)^T$ b. $P\left(1 + \frac{R}{200}\right)^{2T}$
 c. $P\left[\left(1 + \frac{R}{200}\right)^{2T} - 1\right]$ d. $P\left[\left(1 + \frac{R}{100}\right)^T - 1\right]$
56. The area of equilateral triangle having side x is _____.
 a. $3x$ b. $\frac{\sqrt{3}}{4}x^2$
 c. x^2 d. $4x$
57. If the average of a and b is 15 and the average of c and d is 20, then the average of a, b, c, d is _____.
 a. 16.25 b. 17.5 c. 35 d. 70
58. Two successive discounts of 20% and 75% is equivalent to a single discount of _____.
 a. 80% b. 95% c. 55% d. none of them
59. If $\frac{x}{y} = 2$, then $\frac{x-y}{x} = ?$
 a. -1 b. 2
 c. $\frac{1}{2}$ d. 1

60. The solution of the equations $2x + 5y = 9$ and $x - y = 1$ is _____.
- a. (1, 1) b. (1, 2) c. (2, 1) d. (0, 2)
61. How many diameters can be drawn in a circle with radius 10cm?
- a. 10 b. 20 c. 0 d. infinitely many
62. If k is the radius of a cylinder and h be its height then which of the following represents the total surface area of the cylinder?
- a. $\pi k(k + h)$ b. $2\pi k(k + h)$
- c. $\pi k^2 h$ d. $\frac{1}{3} \pi k^2 h$
63. If A and B are mutually exclusive events and $P(A) = \frac{K}{3}$ and $P(B) = \frac{K}{2}$, find the value of K .
- a. 1 b. 2 c. $\frac{6}{5}$ d. $\frac{5}{6}$
64. Minimum charge of electricity for 20 units is Rs. 80 and the charge for each extra unit from 21 unit and above is Rs. 7.50 per unit. Find the cost of 30 units of electricity.
- a. Rs. 225 b. Rs. 305 c. Rs. 155 d. Rs. 1675
65. Each biscuit with cubical size of dimensions $4 \times 3 \times 2$ is to be put into a box having volume 480 cubic units. How many biscuits can be put inside the box?
- a. 20 b. 12 c. 10 d. 200
66. What is the order of the expression $\sqrt[p]{x}$?
- a. p b. x c. $\frac{1}{x}$ d. $\frac{1}{p}$
67. If the base area of a cone is 49π and its height is 9, what is its volume?
- a. 441π b. 147π
- c. 58π d. 40π
68. If $N = 240$, Median class = 50 - 70, $cf = 100$, $f = 20$, find the median.
- a. 20 b. 60 c. 80 d. 70
69. In $\triangle ABC$, if $a = 9\text{cm}$, $b = 12\text{cm}$ and $\angle C = 30^\circ$, what is its area?
- a. 108cm^2 b. 54cm^2 c. 27cm^2 d. 216cm^2
70. If 5 is added to 3 times the one fourth of 16, the result is _____.
- a. 27 b. 17 c. 16 d. 13
71. Express $\frac{7}{25}$ into percentage?
- a. 20% b. 30%
- c. 28% d. 7%

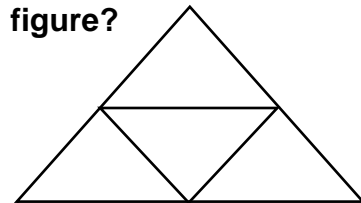
72. If the difference of the circumference of a circle with its diameter is 90cm, then its radius is _____. (use $\pi = \frac{22}{7}$)
- a. 21cm b. 45cm
c. 15cm d. 66cm
73. A man bought 2 dozen of copies at Rs. 240 find the cost of such 10 copies.
- a. Rs. 2400 b. Rs. 1200
c. Rs. 100 d. Rs. 200
74. A hydropower company has 20,00,000 shares. Find the dividend per share if it makes a profit of 5,00,00,000 and 20% of the total profit is the dividend _____.
- a. Rs. 1,00,00,000 b. Rs. 4,00,000
c. Rs. 5 d. Rs. 400
75. Which one is the factorized form of $a^4 - a^2 + 2a - 1$?
- a. $(a^2 + a - 1)(a^2 - a + 1)$ b. $(a^2 - a + 1)(a^2 + a + 1)$
c. $(a^2 + 2a - 1)(a^2 - 2a + 1)$ d. $(a^2 - 2a + 1)(a^2 + 2a + 1)$
76. What is the sum of all the interior angles of a quadrilateral?
- a. 180° b. 360° c. 720° d. 90°
77. If $(2y + 3)$ cm and $(y + 5)$ cm are the two opposite sides of a parallelogram, then the value of y is _____.
- a. 1 b. 2
c. 3 d. 4
78. If $\sin A = \frac{3}{5}$, what is the value of $\cos A$?
- a. 4 b. 16. c. $\frac{4}{5}$ d. $\frac{16}{5}$
79. A card is drawn from a pack of 52 cards. What is the probability of getting the black ace card?
- a. $\frac{1}{13}$ b. $\frac{1}{26}$ c. $\frac{3}{13}$ d. $\frac{2}{13}$
80. If the perimeter of an equilateral triangle is 18cm, its area is _____.
- a. $9\sqrt{3}cm^2$ b. $81\sqrt{3}cm^2$ c. $324cm^2$ d. $162cm^2$

81. What is the length of QR in the figure?

- a. 5cm b. 3cm
c. 2cm d. none of above



82. If $A \subset B$, $n(A) = 40$ and $n(B) = 60$, then $n(A \cup B) = ?$
 a. 40 b. 100 c. 60 d. 20
83. If θ denotes the central angle and α denotes the inscribed angle standing on the same arc of a circle, then the relation between them is _____.
 a. $\theta = \alpha$ b. $\theta = 2\alpha$ c. $\alpha = 2\theta$ d. $\theta < \alpha$
84. Mr. Deepak is running at a speed of 2m per second. What distance will he cover in 1 hour?
 a. 72 km b. 72 m c. 720 m d. 7.2 km
85. A 5m long ladder reaches 3m above the ground level. How far is it from the foot of the wall?
 a. 8m b. 4m c. 15m d. 2m
86. If the volume of a sphere is $\frac{2\pi r^2}{3}$, what is its circumference?
 a. π b. 4π c. $\frac{4}{3}$ d. $\frac{2}{3}$
87. If the mean of the data 8, 6, p, 14, 10, 16, 4 is 10, find the value of p.
 a. 58 b. 60 c. 12 d. 70
88. How many quadrilaterals are there in total in the given figure?
 a. 3 b. 5
 c. 6 d. 7



89. If $\frac{x}{y} = 20$, $\frac{z}{y} = 20$, what is the value of $\frac{x}{y} + \frac{x}{z} = ?$
 a. 20 b. 21 c. 22 d. 25
90. If $x - \frac{1}{x} = 4$, what is the value of $x + \frac{1}{x} = ?$
 a. $\sqrt{20}$ b. 5 c. $\sqrt{12}$ d. none

सामान्य ज्ञान / GENERAL KNOWLEDGE

15x1= 15

91. नेपालको पहिलो जलविद्युत परियोजना कुन हो ? Which is the first Hydro-electric project of Nepal?
 a) Kulekhani b) Pharping c) Kaaligandaki d) Masyandi
92. एशिया र अफ्रिका मादेशलाई छुट्याउने नहर कुन हो ? Name the canal which divides Asian & African countries?
 a) Panama b) Neel c) Suez d) Amazon
93. नेपालको पूर्वी सीमाना मेची नदीले छुट्याएको छ भने पश्चिमी सीमाना कुन नदीले छुट्याएको छ ? If Eastern boundary of Nepal is Mechi river, name the river which is western boundary?
 a) Seti river b) Karnali river
 c) Mahakali river d) None of the above
94. नेपालको आदिकवि भनेर कसलाई चिनिन्छ ? Who is known as Adikavi of Nepal?
 a) Sidhicharan Shrestha b) Laxmiprasad Devkota
 c) Bhanubhakta Acharyad d) Taranath Sharma

95. कुन मितिमा अन्तर्राष्ट्रिय योग दिवस मानिन्छ ? When is international Yoga Day celebrated?
a) 21 December b) 21 June c) 01 May d) None of these
96. साउथ कोरिया देशको राजधारी हो ? Capital of South Korea is _____?
a) Seoul b) Malaysia c) Indonesia d) Cambodia
97. नेपाल सेनाको हालको प्रमुख सेना अध्यक्ष को हुनुहुन्छ ? Who is the present Chief of Army Staff of Nepal Army?
a) General Rajendra Chhetri b) General Gaurav Shumsher Rana
c) General Chhatra Man Singh Gurung d) General Prabhu Ram Sharma
98. कुन सार्क सदस्य देश होइन ? Which is not a SAARC member country?
a) Maldives b) Afghanistan c) Bangladesh d) Myanmar
99. एगलो-गोर्खा युद्धका नामले चिनिने नेपाल र अंग्रेज बीचको युद्ध कहिलेदेखि कहिलेसम्म चलेको थियो ?
Period of Anglo-Gorkha war fought between Nepal and British Empire?
a) 1904 - 1906 AD b) 1814 - 1816 AD
c) 1884 - 1886 AD d) 1912 - 1914 AD
100. जापानको मुद्रालाई के भनिन्छ ? What is the currency of Japan?
a) Yen b) Ringgit c) Yuan d) Lira
101. नेपालको इतिहासमा स्वर्णयुग भनी कुन काललाई भनिन्छ ? In the history of Nepal which era yug is known as Swarnyug?
a) Gopalwans b) Keeratwans c) Mallakaal d) Licchhveekaal
102. श्री पुष्प कमल दहाल नेपालको पटक प्रधानमन्त्री निर्वाचीत भएका छन् ? Shri Pushpa Kamal Dahal has been elected _____ times as Prime Minister of Nepal.
a) First b) Second c) Third d) Fourth
103. चीन र भारत दुईटालाई छुने नेपालको अञ्चल कुन हो ? Anchal/Anchals of Nepal that boundary with both India and China?
a) Janakpur b) Mechi c) Both a & b d) None of these
104. कुन देश संयुक्त राष्ट्र सुरक्षा काउन्सिलका स्थायी सदस्य होइन ? Which country is not a permanent member in the United Nations Security Council?
a) Mexico b) China c) France d) Russia
105. सन 2020 Summer Olympics को आयोजना कुन देशमा भएको हो ? In which country was 2020 Summer Olympics held?
a) China b) Malaysia c) South Korea d) Japan

Best Wishes to all our beloved students on the auspicious occasion of Rakshya Bandhan!

See Good, Be Good and Do Good.