

**ALL ANSWERS MUST BE GIVEN ON THE ANSWER SHEET**  
**BY CROSSING THE CORRESPONDING LETTER**

**English M.C.Q's**

No. of Questions: 40 (from 1 to 40)  
 Minutes

Time allowed: 45

Questions on Page Nos: 1 To 4

Negative markings: **Yes**

**Questions 1 - 5**

**Grammar**

*Choose the correct form of the verb in the following sentences.*

1. Neither Bill nor Mary \_\_\_\_\_ going to the school today.  
 A) is                      B) are                      C) was                      D) were
2. Anything \_\_\_\_\_ better than going to another friend tonight.  
 A) is                      B) are                      C) was                      D) were
3. Skating \_\_\_\_\_ becoming more popular everyday.  
 A) are                      B) is                      C) was                      D) were
4. A number of reporters \_\_\_\_\_ at the conference yesterday.  
 A) is                      B) are                      C) was                      D) were
5. Everybody who \_\_\_\_\_ a fever must go home immediately.  
 A) has                      B) have                      C) had                      D) has had

*Questions 6 - 15*

*Below is a conversation between two friends over the telephone. Insert suitable prepositions in blanks.*

David: Hello Mary, it's David. Could I speak (6) \_\_\_\_\_ Frank please?

Mary: I'm sorry David, he's (7) \_\_\_\_\_ work. Jim's (8) \_\_\_\_\_ home though. Would you like to speak (9) \_\_\_\_\_ him?

David: No Mary, that won't help, but could you tell him that I'm going (10) \_\_\_\_\_ London (11) \_\_\_\_\_ car tomorrow, instead of (12) \_\_\_\_\_ rail as planned. If he wants to come (13) \_\_\_\_\_ me, can you ask him to call me this evening, but no later than ten o'clock, as I have to drive (14) \_\_\_\_\_ the village to collect Pauline and won't be back (15) \_\_\_\_\_ after midnight.

6.    A) on                      B) of                      C) in                      D) to
7.    A) on                      B) in                      C) at                      D) of
8.    A) in                      B) at                      C) on                      D) into
9.    A) to                      B) of                      C) in                      D) no preposition
10.   A) no preposition      B) of                      C) in                      D) to
11.   A) on                      B) in                      C) by                      D) from

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12. A) on            B) in            C) by            D) from
13. A) to            B) with            C) between            D) in
14. A) to            B) from            C) in            D) about
15. A) on            B) at            C) to            D) until

**Questions 16 – 24**

**Spelling**

*Fill in the blanks with the correctly-spelled words.*

16. The former president was sentenced in his \_\_\_\_\_.  
 A) abcsense            B) absence            C) abcense            D) absense
17. The first step to becoming a good photographer is to buy the correct \_\_\_\_\_.  
 A) accesories            B) accessories            C) aecessories            D) assessories
18. Visitors have difficulty finding \_\_\_\_\_ during the summer.  
 A) accommodation    B) accomodation            C) accomodation            D) accamodation
19. City planners can sometimes be very \_\_\_\_\_ in their approach to traffic calming.  
 A) agresive            B) aggresive            C) aggressive            D) agresive
20. The managing director made an important \_\_\_\_\_ to his staff.  
 A) anouncement            B) announcement            C) announsement            D) announcement
21. The college offers a course in commercial \_\_\_\_\_.  
 A) correspondance            B) correspondence            C) corespondance            D) corespondence
22. Between 2011 and 2021, a \_\_\_\_\_ drop will be seen in the market.  
 A) defenite            B) definate            C) definite            D) defenate
23. The government openly \_\_\_\_\_ of the current judicial system.  
 A) dissaproves            B) disapproves            C) dissapproves            D) dessaproves
24. A lot of people do not have the \_\_\_\_\_ qualifications for the job.  
 A) necessary            B) neccessary            C) neccessary            D) necessary

**Questions 25 – 29**

**Vocabulary**

*Fill in the blanks with the right word.*

25. If you don't exercise you \_\_\_\_\_ the risk of getting ill.  
 A) stand            B) face            C) run            D) suffer

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26. Insulation was fitted to \_\_\_\_\_ further heat loss from the building.  
 A) guard                      B) protect                      C) save                      D) prevent
27. We are all \_\_\_\_\_ the opinion that hydrocarbons in the atmosphere contribute to global warming.  
 A) in                      B) on                      C) of                      D) at
28. I can't \_\_\_\_\_ thinking that we made a mistake in our calculations -- the total is too high.  
 A) help                      B) bear                      C) stand                      D) be
29. The chess players tried very hard to \_\_\_\_\_ each other with every move in the tournament.  
 A) outnumber                      B) outwit                      C) outweigh                      D) outclass

*Questions 30 - 33*

*Read the paragraphs to help you complete the question.*

30. Matthew and Nicholas were fighting. First, they were yelling at one another. Next, they started hitting one another. Then they began pushing each other. "Cut it out, you two," their mom said. "If you don't stop, I'll send you each to your room."

Cut it out means \_\_\_\_\_.  
 A) continue                      B) stop                      C) laugh out loud                      D) do more vigorously

31. The school play was getting too expensive. The team planning it had gone all out but they didn't have enough money to pay for it all. The principal came in to speak with the group. "You have some great ideas here. Now let's see where we can cut corners to make this play a success. We may have to change the scenery and the playbook; otherwise the play can't go on."

Cut corners means \_\_\_\_\_.  
 A) cut the edges of the play's program                      B) clip some coupons  
 C) use money wisely and try to save by spending only what is necessary  
 D) shorten some scenes

32. Jodi's grandmother spent months knitting a sweater for Jodi. When Jodi took a look at it, she really disliked the colors. She couldn't tell her grandmother that, so she told a little white lie instead.

White lie means \_\_\_\_\_.  
 A) huge, made-up story                      B) truth  
 C) lie that is told to hurt someone's feelings  
 D) lie that is told to avoid hurting someone's feelings

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33. Courtney had lost her favorite bracelet. Her best friend was going away for the entire summer. She had just found out she was going to summer school. As a result, Courtney felt down in the dumps.

Down in the dumps means \_\_\_\_\_.

- A) sad                      B) bringing the garbage to the end of the driveway  
 C) excited                D) happy at change of events

*Questions 34 - 37*

**Reading**

*Read the statements below and then choose the best answer to the question.*

34. Most people collect Star Wars toys for sentimental reasons. Some people collect them strictly to make money.

What is the relationship between the two sentences?

- A) cause and effect                                      B) contrast  
 C) repetition    D) statement and example

35. Jenny does not like cake. She does not like to bake it, to ice it, or to eat it.

What does the second sentence do?

- A) It states the cause of the first.  
 B) It compares the three things Jenny does not like about cake.  
 C) It draws a conclusion about Jenny.  
 D) It emphasizes what is stated in the first.

36. The new Dance Tunes CD has proved to be very popular. It has sold 80,000 copies over the last year.

How are these two sentences related?

- A) The second sentence provides evidence of the first.  
 B) The first sentence explains the meaning of the second.  
 C) The second sentence explains why the CD is popular.  
 D) The first sentence contradicts the second.

37. Experienced truck drivers often travel in a convoy--a group of trucks that are traveling to the same part of the country. Convoys can help truckers to stay alert.

The author implies that professional long-distance truck drivers may avoid traveling alone because:

- A) They might drive too fast.  
 B) They want to arrive before anyone else.  
 C) Long-distance travel can cause drowsiness.  
 D) Accidents happen more frequently to lone truck drivers than to car drivers who travel alone.

*Questions 38 - 40*

*Reorder the following sentences so as to form a coherent paragraph.*

(38)

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1. First, we unload the dishwasher.
2. It is time to do chores.
3. Now, the house looks nicer.
4. Third, we make our beds.
5. Then, we put dirty clothes in the washer.

The correct order is \_\_\_\_\_.

- A) 2, 5, 1, 4, 3
- B) 2, 1, 5, 4, 3
- C) 1, 2, 4, 3, 5
- D) 1, 2, 3, 4, 5

(39)

1. The plant burst into flower.
2. The rain watered it, covering it with mud.
3. A seed fell to the soft ground.
4. The seed quickly grew into a tall plant.

The correct order is \_\_\_\_\_.

- A) 3, 2, 4, 1
- B) 1, 2, 3, 4
- C) 2, 1, 3, 4
- D) 3, 1, 2, 4

(40)

1. First, she carried the bags into the house.
2. Mom came home from shopping.
3. Finally, she put away all the dry and canned goods.
4. Then she found all the cold or frozen things and put them away.

The correct order is \_\_\_\_\_.

- A) 2, 4, 1, 3
- B) 1, 3, 4, 2
- C) 1, 4, 2, 3
- D) 2, 1, 4, 3

**Mathematics M.C.Q's**

No. of Questions: 40 (from 41 to 80)

Time allowed: 55

Minutes

Questions on Page Nos: 5 To 7

Negative markings:

**Yes**

Q41 Which of the following is not a Null Set?

- A)  $\{x \mid x \text{ is a letter before 'a' in the English alphabet}\}$
- B)  $\{x \mid x + 11 = 11\}$
- C)  $\{x \mid x \text{ is less than 10 and greater than 11}\}$
- D)  $\{x \mid x \text{ is real number and } x^2 \text{ is } -1\}$

Q42 If  $E = \{1, 2, 3, 4, 5\}$  and  $F = \{2, 4, 6, 8\}$ , then  $E - F$  is

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- A) {6, 8}                      B) {1, 3, 5}                      C) {-1, -2, -3, -6}                      D) None of these
- Q43 If the ordered pairs  $(x + 1, 2)$  and  $(6, 7 - x)$  are equal, then value of  $x$  must be  
 A) 4                      B) 5                      C) 6                      D) 7
- Q44 What is the quadrant in which the point  $(-\sqrt{3}, \sqrt{5})$  is located?  
 A) first                      B) second                      C) third                      D) fourth
- Q45 If the set of real numbers is denoted by  $R$ , then the property which is called closure property of  $R$  with respect to addition is given by  
 A)  $x + y = y + x$  for all real numbers  $x, y$   
 B)  $x + (y + z) = (x + y) + z$  for all real numbers  $x, y$  and  $z$   
 C)  $x - y = y - x$  for all real numbers  $x, y$   
 D) None of these
- Q46 The value of  $\sqrt[5]{32}$  is  
 A) 5                      B) 4                      C) 3                      D) 2
- Q47 If  $x = 7 - 4\sqrt{3}$ , then the value of  $\frac{1}{x}$  is  
 A)  $7 - 2\sqrt{3}$                       B)  $7 + 4\sqrt{3}$                       C)  $7 - 6\sqrt{3}$                       D) None of these
- Q48 The value of  $\log_{10} 100$  is  
 A) 1                      B) 2                      C) 3                      D) 4
- Q49 The value of  $x^2 + y^2$  when  $x + y = 5$  and  $xy = 3$  is  
 A) 18                      B) 19                      C) 20                      D) 21
- Q50 The polynomial  $7x^2 - 12x + 5$  can also be written in the factored form as  
 A)  $(x + 1)(7x - 5)$                       B)  $(x - 1)(7x - 5)$                       C)  $(x + 1)(7x + 5)$                       D) None of these
- Q51 The transpose of the matrix  $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  is  
 A)  $\begin{bmatrix} 4 & 2 \\ 3 & 1 \end{bmatrix}$                       B)  $\begin{bmatrix} 1 & 3 \\ 2 & 4 \end{bmatrix}$                       C)  $\begin{bmatrix} 4 & 3 \\ 2 & 1 \end{bmatrix}$                       D) None of these
- Q52 The determinant of the matrix  $A = \begin{bmatrix} 1 & 4 \\ 3 & 8 \end{bmatrix}$  is  
 A) 4                      B) -4                      C) -8                      D) Zero
- Q53 In a right angled triangle the side opposite to right angle is called  
 A) diagonal                      B) hypotenuse                      C) greater                      D) None of these

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- Q54 The value of  $x$  satisfying the equation  $\frac{7x}{8} + 3 = \frac{9x}{10}$   
 A) 200                      B) 160                      C) 120                      D) None of these
- Q55 The solution set of the equation  $|2x| = 6$  is given by  
 A)  $\{3\}$                       B)  $\{-3\}$                       C)  $\{-3, 3\}$                       D)  $\{-6, 6\}$
- Q56 The solution set of the equation  $x^2 + x = 6$  is given by  
 A)  $\{2\}$                       B)  $\{-3\}$                       C)  $\{2, -3\}$                       D)  $\{-2, 3\}$
- Q57 If  $z = 3$ , is a solution of the equation  $z^2 + kz + 15 = 0$ , then value of  $k$  is  
 A)  $\{8\}$                       B)  $\{-8\}$                       C)  $\{-5\}$                       D)  $\{5\}$
- Q58 Solution set of  $\sqrt{y-2} = -4$  is  
 A)  $\{\}$                       B)  $\{-2\}$                       C)  $\{-4, 4\}$                       D)  $\{18\}$
- Q59  $x^2 - 1 = 8$  is a  
 A) linear equation                      B) quadratic equation  
 C) nonlinear equation                      D) irrational equation
- Q60 If  $(x-2)(x+3) = 0$ , then  $x =$  \_\_\_\_\_  
 A)  $-2, -3$                       B)  $2, 3$                       C)  $2, -3$                       D)  $-2, 3$
- Q61 Following are the marks obtained by nine students in a subject:  
 23, 15, 35, 48, 41, 5, 8, 9, 11  
 The median mark is  
 A) 41                      B) 48                      C) 35                      D) 15
- Q62 Measures of the sides of four triangles are given below. Identify the triangle which is not a right angled triangle  
 A) 6, 8, 10                      B) 3, 4, 5                      C) 5, 12, 13                      D) 6, 7, 8
- Q63 Consider a right angled triangle in which base and perpendicular are of measures 5cm. Then smallest angle of the triangle will be  
 A)  $40^{\circ}$                       B)  $60^{\circ}$                       C)  $30^{\circ}$                       D)  $45^{\circ}$
- Q64 The value of  $\sin 30^{\circ}$  is  
 A)  $\frac{\sqrt{3}}{2}$                       B)  $\frac{1}{2}$                       C)  $\frac{1}{\sqrt{3}}$                       D) None of these
- Q65 The Arithmetic Mean of 67, 75, 81, 87, 90 is  
 A) 60                      B) 70                      C) 80                      D) 90
- Q66 If  $5n + 13 = 31$ , what is the value of  $-5n + 31$ ?  
 A) 13                      B)  $-13$                       C) 7                      D) None of these

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- Q67 The value of  $\sqrt{3}(\sqrt{3} + 4\sqrt{12})$   
 A)  $3+12\sqrt{12}$     B) 27    C) 17    D) None of these
- Q68 If y varies directly as x and  $y = 12$  when  $x = 2$ , find y when  $x = 7$   
 A) 42    B) 40    C) 37    D) None of these
- Q69 The sum of three consecutive integers is 39. What is the middle integer in this sequence?  
 A) 10    B) 11    C) 12    D) 13
- Q70 Solve the following equation for A:  $2(A - 3) = 8 + 4(A + 7)$   
 A) -24    B) 24    C) 13    D) -21
- Q71  $(x - y)(x + y) =$   
 A)  $(x - y)^2$     B)  $x^2 - y^2$     C)  $x^2 + y^2$     D) None of these
- Q72 Which the following is irrational?  
 A)  $\frac{22}{7}$     B)  $\frac{4}{5}$     C)  $\pi$     D)  $\frac{2}{3}$
- Q73 Solution set of  $\sqrt{x} = -6$  is  
 A) { 6 }    B) { 36 }    C) { }    D) { -36 }
- Q74 L.C.M of  $5x^2yz$ ,  $10xyz$ ,  $15xy^2z^2$  is  
 A)  $15x^2yz$     B)  $150xy^2z$     C)  $30x^2y^2z^2$     D)  $50xyz^2$
- Q75 H.C.F of  $x^2 - xy - 2y^2$ ,  $2x^2 + xy - y^2$   
 A)  $x - y$     B)  $x + y$     C)  $2x - 3y$     D) None of these
- Q76 The factored form of  $x^4 + 5x^3 + 6x^2$  is  
 A)  $x(x + 3)(x^2 + 2)$     B)  $x^2(x + 3)(x + 2)$   
 C)  $x^2(x - 2)(x - 3)$     D)  $x(x^2 + 3)(x + 2)$
- Q77 If  $x > y$  and  $y > z$  then  
 A)  $x = y$     B)  $y = z$     C)  $x = z$     D)  $x > z$
- Q78  $2\sqrt{27} - \sqrt{75} + \sqrt{12} =$  \_\_\_\_\_  
 A)  $\sqrt{3}$     B)  $2\sqrt{3}$     C)  $3\sqrt{3}$     D)  $4\sqrt{3}$



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Q79 Find x when the Matrix is singular

$$\begin{bmatrix} -1 & x \\ -3 & -6 \end{bmatrix}$$

A) 2

B) -2

C) 3

D) None of these

Q80 In -2, -1, 0, 1, 2 Mean is

A) Zero

B) 1

C) -1

D) None of these

(END of the TEST)

(Stop. Do not turn over this page until you are told to do so.)