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) accessories  D) assessories

18. Visitors have difficulty finding _______________ during the summer.
   A) accommodation  B) accommodation  C) accomodation  D) acammodation

19. City planners can sometimes be very _______________ in their approach to traffic calming.
   A) agressive  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) correspondence

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) neccesary  C) neccessary  D) necesary

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
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
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

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

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' \text{ in the English alphabet}\}
B) \{x \mid x + 11 = 11\}
C) \{x \mid x \text{ is less than } 10 \text{ 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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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 \(\sqrt{32}\) 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) \(\begin{bmatrix} 2 & 2 \\ 1 & 4 \end{bmatrix}\)  B) \(\begin{bmatrix} 1 & 3 \\ 2 & 4 \end{bmatrix}\)  C) \(\begin{bmatrix} 4 & 3 \\ 1 & 4 \end{bmatrix}\)  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
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) \(40^0\)  B) \(60^0\)  C) \(30^0\)  D) \(45^0\)

Q64  The value of \( \sin 30^0 \) 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
8

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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 $\sqrt{x} = -6$
A) {6}  B) {36}  C) {}  D) {-36}

Q74  L.C.M of $5x^2yz$, $10xyz$, $15xy^2z^2$ is
A) $15x^2yz$  B) $150xyz^2$  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 $x^4 + 5x^3 + 6x^2$
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) $4\sqrt{3}$
Q79  Find $x$ when the matrix is singular
\[
\begin{pmatrix}
-1 & x \\
-3 & -6
\end{pmatrix}
\]
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.)