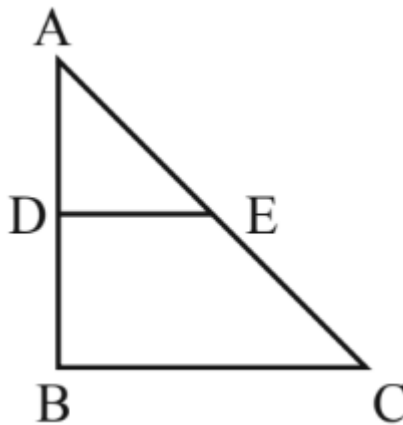


NMET PG PHASE II

I. Quantitative Techniques

1. A student was asked to multiply a number by $\frac{3}{5}$. By mistake, he divided it by $\frac{3}{5}$. If the result was 192 more than the correct number, then what is the correct number?
 - a. 65
 - b. 62
 - c. **60**
 - d. 54
2. For what value of Y, 422Y will be a perfect square?
 - a. **5**
 - b. 6
 - c. 4
 - d. 9
3. A rectangular courtyard 160 cm long and 740 cm wide is to be paved exactly with square tiles, all of the same size. What is the largest size of the tile which could be used for the purpose?
 - a. **20 cm × 20 cm**
 - b. 80 cm × 80 cm
 - c. 60 cm × 60 cm
 - d. 40 cm × 40 cm
4. The Least Common Multiple of two prime numbers x and y, ($x > y$) is 143. Then what is the value of $(3y - x)$?
 - a. 18
 - b. 24
 - c. **20**
 - d. 15
5. What is that least value that should be added to 3234 to make it exactly divisible by 3, 5 and 6?
 - a. 8
 - b. 4
 - c. **6**
 - d. 2
6. The income of a person is Rs 90000, and his expenditure is Rs 66000. If his income is increased by 18% and expenditure is increased by 12%, then what will be the percentage increase in his savings?
 - a. 38%
 - b. 36.25%
 - c. 40%
 - d. **34.5%**
7. The marked price of a table is Rs. 5400, and it is to be sold at Rs. 4000 at two successive discounts. If the first discount is 10 percent, then what will be the second discount percentage?
 - a. 18 percent
 - b. **17.69 percent**
 - c. 19.24 percent
 - d. 22.46 percent

8. Two stations, T and U, are 240 km apart from each other. A train leaves from T to U, and simultaneously, another train leaves from U to T. Both trains meet after 12 hours. If the speed of the first train is 6 km/hr more than the second train, then what is the speed of the slower train? (60)
- 10 km/hr
 - 13 km/hr
 - 15 km/hr
 - 7 km/hr**
9. In the figure, ABC and ADE are right-angled at B and D, respectively. If $DE = 3$, $BC = 5$ and $DB = 6$, calculate the length of AD. (56)



- 9 cm**
 - 12 cm
 - 6 cm
 - 8 cm
10. Each edge of a cube is increased by 50%. The percent of increase in the volume of the cube is:
- 150
 - 337.5
 - 750
 - 237.5**
11. The ratio of cost price of first, second and third article is 3 : 4 : 5 respectively. A profit of 25 percent and 20 percent is earned on first and second article respectively and a loss of 10 percent is incurred on the third article. What is the overall profit/loss percentage on the three articles together?
- 4.58 percent profit
 - 7.68 percent loss
 - 8.75 percent profit**
 - 15 percent loss
12. The area of a triangle is $400\sqrt{6}$ cm² and the ratio of its sides is 4: 5: 7. What is the perimeter of the triangle?
- 160 cm**
 - 120 cm
 - 170 cm
 - 180 cm

13. The ratio of the outer and the inner circumference of a circular path is 23 : 21. If path is 20 metres wide, then what is the radius of the inner circle?
- 220 metres
 - 210 metres**
 - 225 metres
 - 230 metres
14. A wire is in the form of square with side 66 cm. It is bent to form a circle. What is the radius of the circle?
- 48 cm
 - 52 cm
 - 42 cm**
 - 56 cm
15. A bag contains equal number of 5 rupee, 10 rupee and 2 rupee coins. If the total amount is Rs 340, then how many coins of each type are there?
- 26
 - 20**
 - 32
 - 28
16. Find the sum of the following series: $-3, 3, 9, 15, \dots$ upto 40 terms.
- 4560**
 - 4140
 - 4920
 - 4740
17. How many diagonals are there in an octagon?
- 26
 - 20**
 - 24
 - 18
18. One card is drawn from an ordinary deck. What is the probability that it is not the ace of hearts?
- $12/13$
 - $1/13$
 - $51/52$**
 - $1/52$
19. Two concentric circles have radii in the ratio of 2 : 3. Their areas are in the ratio of:
- 4 : 9**
 - 4 : 5
 - 5 : 4
 - 8 : 27
20. If $2x + 3y + 5z = 50$ and $5x + 6y + 10z = 80$, then what is the value of x?
- 10
 - 20
 - 20**
 - 10
21. What is the unit digit of $(111)^{111} + (222)^{222}$
- 3
 - 7
 - 9

- d. **5**
22. Average age of 20 students is 22 years. 2 students leave the group and 1 new student joins the group. The average age now becomes 21 years. If age of one of the student who left the group is 28 years and the age of one who joined is 32 years, then what is the age of the other student who left the group?
- 32 years
 - 36 years
 - 28 years
 - 45 years**
23. If S can complete $\frac{4}{7}$ of a work in 120 days, then S will complete $\frac{1}{14}$ of the same work in how many days?
- 15 days**
 - 18 days
 - 13 days
 - 22 days
24. The ratio of number of boys and girls in a class is 4 : 5. The average weight of boys and girls in the class is 18 kg and 36 kg respectively. What is the average weight of all the boys and girls together?
- 28 kg**
 - 32 kg
 - 35 kg
 - 37 kg
25. Rs. 154000 is divided among P, Q and R such that 10% of P's share = 20% of Q's share = 30% of R's share. What is the share of R?
- Rs. 24000
 - Rs. 27000
 - Rs. 28000**
 - Rs. 32000

II. Business Aptitude

26. The government of India has set up its first waste-to-hydrogen plant. In which city has this been set up?
- Pune**
 - Surat
 - Salem
 - Mumbai
27. Which term refers to the total market value of a company's outstanding shares?
- Profit
 - Revenue
 - Market capitalization**
 - Dividends
28. Which country is home to the headquarters of the multinational company Toyota?
- United States
 - Japan**
 - Germany
 - South Korea
29. Which type of market structure is characterized by a few large firms that dominate the industry, and each firm has some control over the market price?
- Perfect competition

- b. Monopolistic competition
 - c. **Oligopoly**
 - d. Monopoly
30. What does 'brand equity' refer to?
- a. The total value of a company's assets
 - b. **The value of a brand based on consumer perceptions and loyalty**
 - c. The profits generated from selling stocks
 - d. The amount of money invested in marketing
31. What does the term "economies of scale" refer to?
- a. The benefits of operating in multiple countries
 - b. The losses caused by inefficient operations
 - c. The rise in costs due to inflation
 - d. **The cost advantages gained by increasing production**
32. What is a green bond?
- a. A debt security issued by the US government
 - b. **a fixed-income financial instrument which is used to fund projects that have positive environmental benefits**
 - c. A bond issued by foreign governments of emerging markets
 - d. A bond that has higher credit rating and lower credit risk
33. A period in the stock market when prices are rising or are expected to rise is called
- a. A bear market
 - b. **A bull market**
 - c. A stag market
 - d. A growth market
34. Which famous physicist was awarded the Nobel Prize in 1921 for his discovery of the photoelectric effect?
- a. Niels Bohr
 - b. **Albert Einstein**
 - c. Max Planck
 - d. Werner Heisenberg
35. In February 2025, which country announced plans to phase out gasoline and diesel vehicles by 2030 in favour of electric vehicles?
- a. United Kingdom
 - b. **Norway**
 - c. Germany
 - d. France
36. Which company launched the first AI-powered search engine in 2023, called "Bing Chat"?
- a. Google
 - b. **Microsoft**
 - c. Apple
 - d. Amazon
37. SOAR analysis is used to analyze:
- a. Strengths, Opportunities, Ambitions and Risks
 - b. Strengths, Opportunities, Aspirations and Risks
 - c. Strengths, Opportunities, Analysis and Remedies
 - d. **Strengths, Opportunities, Aspirations and Results**
38. Which of the following is an example of a fixed cost in business?

- a. Wages of hourly workers
 - b. Utility bills
 - c. **Rent for office space**
 - d. Raw materials
39. In 2024, which country became the first to host the Summer Olympics for the third time?
- a. USA
 - b. **France**
 - c. Japan
 - d. Brazil
40. Who was the first woman to win the Nobel Prize in two different fields?
- a. **Marie Curie**
 - b. Ada Lovelace
 - c. Rosalind Franklin
 - d. Dorothy Crowfoot Hodgkin
41. The government has recently in December 2024 abolished the windfall tax on which products?
- a. Food Products
 - b. **Petrol, diesel, aviation fuel, and crude oil**
 - c. Pharmaceuticals
 - d. Milk and Milk Products
42. In finance, "liquidity" refers to:
- a. The long-term solvency of a company
 - b. **The ease with which an asset can be converted into cash**
 - c. The volatility of market prices
 - d. The company's debt-to-equity ratio
43. Which bank became the first private bank to open a branch in Lakshadweep in April 2024?
- a. Axis bank
 - b. **HDFC bank**
 - c. YES bank
 - d. ICICI bank
44. The Startup Mahakumbh in March 2025 is/was organized in which place?
- a. **New Delhi**
 - b. Lucknow
 - c. Bengaluru
 - d. Chennai
45. Native advertising is best described as:
- a. Ads that interrupt the user experience on digital platforms
 - b. **Advertising that matches the look, feel, and function of the media format in which it appears**
 - c. Traditional print ads adapted for digital screens
 - d. Ads that are exclusively run on mobile devices
46. Which major automotive brand, known for its emphasis on safety, announced plans to transition to an all-electric lineup by 2030?
- a. General Motors
 - b. Ford
 - c. Toyota

- d. **Volvo**
- 47. Which major tech company announced its commitment to become carbon negative by 2030, aiming to remove more carbon than it emits?
 - a. Apple
 - b. **Microsoft**
 - c. Google
 - d. Amazon
- 48. Thinking big, Doing better is the tagline of which company?
 - a. Reliance group
 - b. R.P. Goenka group
 - c. **Adani group**
 - d. Piramal group
- 49. In February 2025, which U.S. President imposed a 25% tariff on all steel and aluminum imports without exemptions?
 - a. Joe Biden
 - b. **Donald Trump**
 - c. Barack Obama
 - d. George W. Bush
- 50. "Think Different". Which technology giant is known for this inspirational tagline?
 - a. IBM
 - b. Dell
 - c. **Apple**
 - d. Microsoft
- 51. The 'Rajiv Gandhi National Quality Award' is given for excellence in which sector?
 - a. Agriculture
 - b. **Manufacturing and Service Industries**
 - c. Digital Innovation
 - d. Ethical Business Practices
- 52. In business and start-ups, what does a 'Unicorn' refer to?
 - a. A public limited company whose market capitalisation is over one billion dollars
 - b. A private limited company whose revenue is over one billion dollars
 - c. **A private limited company whose valuation is over one billion dollars**
 - d. A public limited company whose profits are over one million dollars
- 53. Which of the following awards is specifically given for excellence in advertising and the marketing industry?
 - a. **Clio Awards**
 - b. Booker Prize
 - c. Pritzker Prize
 - d. BAFTA Awards
- 54. What is the name of the red-carpet event of Fashion, originally known as the Costume Institute Benefit, where celebrities showcase their designer outfits, often considered the Oscars of fashion?
 - a. New York Fashion Week
 - b. **The Met Gala**
 - c. Lakme Fashion Week
 - d. Tokyo Fashion Week
- 55. Which animal can be seen on the Porsche logo?

- a. Lion
- b. **Horse**
- c. Tiger
- d. Cheetah

III. Logical Reasoning

56. In a row of persons, the position of Shivya from the left side of the row is 27th and position of Shivya from the right side of the row is 34th. Find the total number of students in the row?
- a. **60**
 - b. 61
 - c. 62
 - d. 59
57. Arrange the sentences in the correct sequence: The extensive depletion of biodiversity in India(A) /a reflection of inadequate policy enforcement and unsustainable development paradigms(B)/, requiring an urgent multi-stakeholder approach to conservation and ecological restoration (C)/is not only a consequence of habitat destruction and deforestation but also(D).
- a. ABCD
 - b. ACDB
 - c. **ADBC**
 - d. BCAD
58. Arrange the sentences in the correct sequence: The shift towards renewable energy (A) / is crucial in mitigating (B) / the adverse effects of fossil fuels (C) / on the environment (D).
- a. **ABCD**
 - b. CBAD
 - c. ACBD
 - d. BACD
59. From a group of 7 boys and 6 girls, a team of 5 is to be formed. If the team must have at least 3 boys, how many ways can the team be formed?
- a. 420
 - b. 560
 - c. 630
 - d. **756**
60. Five friends—A, B, C, D, and E—are sitting in a row. A is not sitting next to B, and C is sitting immediately to the right of D. Determine the possible seating arrangements.
- a. **E, A, D, C, B.**
 - b. B, A, C, D, E.
 - c. A, D, E, B, C.
 - d. E, A, B, D, C.

Questions (61-65): Study the following information and answer the questions that follow:

Eight friends P, Q, R, S, T, U, V and W are sitting around a circular table for a reunion dinner. They also like different Food item i.e. Paneer, Fish, Mushroom, Biryani, Pizza, Momos and Burger. Q sits third to the right of P and likes Biryani. U sits third to the left of the one who likes Mushroom, which is not P. Unfortunately, one of the friends does not make to the reunion so his sit is vacant. T sits on the immediate right of the vacant seat. U likes Paneer. S likes Burger and sits on the immediate left of V. The one who likes Pizza sits second to the left of the one who likes Biryani. R likes Fish and sits on the

immediate right of the one who likes Pizza. R is not the immediate neighbour of P and Q. W does not like pizza. P doesn't like Burger.

61. Who among the following likes Momos?
 - a. Q
 - b. R
 - c. U
 - d. **P**
62. Who among the following friend does not make it to the reunion?
 - a. P
 - b. **W**
 - c. R
 - d. U
63. T likes which food item?
 - a. **Pizza**
 - b. Fish
 - c. Paneer
 - d. Mushroom
64. Q likes which food item?
 - a. Pizza
 - b. Fish
 - c. **Biryani**
 - d. Mushroom
65. Who among the following sits on the immediate left of the vacant seat?
 - a. P
 - b. S
 - c. **Q**
 - d. R
66. A teacher wants to assign 3 different students out of total 10 students to give a presentation on Monday, Wednesday, and Friday. In how many ways can this be done?
 - a. 420
 - b. 240
 - c. **720**
 - d. 620
67. In a cricket league of 6 teams, each team plays each other once. How many matches are played?
 - a. 12 matches
 - b. **15 matches**
 - c. 24 matches
 - d. 10 matches
68. In a tennis match, a player wins by winning at least 3 sets. If the final score is 3-2, how many sets were played?
 - a. 6
 - b. **5**
 - c. 7
 - d. 3

69. In a recent election, party A candidate received 0.5 percent of the 2,000 votes cast. To win the election, a candidate needed to receive more than 50 percent of the votes. How many additional votes party A candidate would have needed to win the election?
- 901
 - 989
 - 991**
 - 1,001
70. A round-robin tournament has 10 players. How many matches are played?
- 45**
 - 50
 - 30
 - 25
71. If in a certain code, "PART" is written as "QCUX," how is "TEAM" written in the same code?
- UFBN
 - UGCP
 - UGBQ
 - UGDQ**
72. A survey in a city found that 75% of households own at least one pet. Of the households that own pets, 60% own a dog, and 40% own a cat. Which of the following statements can be inferred with certainty?
- More than half of the households in the city own a dog.
 - Less than half of the households in the city own a dog.**
 - More than half of the households in the city own a cat.
 - At least half of the households in the city own a dog.
73. In a 2×4 rectangle grid shown below, each cell is a rectangle. How many rectangles can be observed in the grid?

- 36
- 27
- 21
- 30**

Read the following informaton to answer Questons 74 to 76:

A garden has 10 varieties of plants planted at different locations. P is 20m in south of M. O is 5m east of P. Q is 10m north of O. R is 10m east of Q. S is 15m south of R. U is 15m west of S. N is 10m to the east of M. V is 10m to the south of N. T is 10m to east of O.

74. In which directon is the plant M with respect to plant S?
- South-east
 - North-west**
 - North
 - South-west

75. Four of the following are alike in a certain way so form a group, which of the following does not belong to that group?
- QR
 - QO
 - TS**
 - NV
76. Each of the options given below shows two pairs of plants. Which pairs of plants are parallel to the other pair in the option?
- QO and US
 - PT and US**
 - QR and NV
 - MP and OT

IV. Language Ability

77. Consider the following statements about a group of people at a party:
- **Statement 1: Everyone at the party is wearing red.**
 - **Statement 2: Someone at the party is wearing blue.**
 - **Statement 3: Someone at the party is not wearing blue.**
 - **Statement 4: No one at the party is wearing red.**
- Statement 2 and Statement 3
 - Statement 2 and Statement 4
 - Statement 1 and Statement 4**
 - Statement 1 and Statement 2
78. If 3 is added to every alternate digit starting from the first digit and subtracted 1 from every alternate digit starting from the second digit of the number "26426446", then what will be the product of the 4th digit from the left end and the 4th digit from the right end?
- 9**
 - 18
 - 12
 - 25
79. Consider the word "PRONUNCIATION". Now, is it possible to make a meaningful word from the first, third, fourth and ninth letters of the word? If so, what will be the first letter of that word? If no such meaningful word can be marked, then mark X as your answer. Mark XX if more than one such word can be formed.
- P
 - O
 - X**
 - XX

80. Which of the following is considered the primary goal of advertising?

- To entertain the audience
- To inform, persuade, and remind consumers about a product or service**
- To create emotional appeal
- To provide customer service

81. Who was the longest-serving monarch in British history, reigning for over 70 years?

- Queen Elizabeth I
- Queen Victoria
- Queen Elizabeth II**
- King George III

82. Which of the following is an example of a social factor in the business environment?

- a. Inflation rate
- b. Changing consumer preferences
- c. Tax policies
- d. Exchange rates

Study the following information to answer the given questions (83 to 85).

The following information is coded in a certain code language. The coding is not in the order of the words given on the left side.

Detaileventyearthis - bi gvocst
 eventrevised ofawaited - tm oc da pu
 ofdetailresultsfrst - nhmk tm gv
 awaitedgreatyearof - da strx tm

83. What is the code used to represent the word 'First;
 - a. oc/gv
 - b. tm/gv
 - c. **nh/mk**
 - d. gv
84. What may be the possible code for 'awaitedrevised' in the given code language?
 - a. ve be
 - b. **puda**
 - c. nhve
 - d. danh
85. Using the code language, 'of year booking' is coded as 'aj tm st'. what is the code for 'booking revised this'?
 - a. **puaj bi**
 - b. ajgvnh
 - c. bi da aj
 - d. nh bi pu
86. Read the following paragraphs carefully. Choose the sentence that best completes the paragraph and maintains its logical flow: Reading habits have changed drastically in the digital era. With the rise of audiobooks and e-books, fewer people engage with physical books. _____
 - a. Libraries are now more popular than ever.
 - b. **However, digital reading has increased overall literacy rates.**
 - c. Traditional books have seen a resurgence.
 - d. As a result, reading culture has declined significantly.
87. Read the following paragraphs carefully. Choose the sentence that best completes the paragraph and maintains its logical flow: Public speaking is a valuable skill that can enhance one's confidence and influence. However, many individuals struggle with stage fright. _____
 - a. Avoiding public speaking may not be the best solution for this.
 - b. Speaking in front of smaller audiences increases fear.
 - c. **Practising regularly helps build confidence and reduce anxiety.**
 - d. Most successful speakers never experience stage fright.
88. Odd One Out: Each of the following sentences is related to a similar topic. Four of them can be used to make a coherent paragraph. Identify the odd sentence out.

- a. Educators are advocating for a shift towards more student-centred learning approaches.
 - b. **It is commonly believed that creativity is inborn and cannot be taught.**
 - c. The importance of fostering creativity and innovation in the classroom is gaining recognition.
 - d. Standardised testing is being criticised for its emphasis on rote memorisation rather than critical thinking.
 - e. The integration of technology into education is transforming the way students learn.
89. Odd One Out: Each of the following sentences is related to a similar topic. Four of them can be used to make a coherent paragraph. Identify the odd sentence out.
- a. Viral trends on platforms like TikTok often drive product sales.
 - b. Brand collaborations with influencers have become a major marketing strategy.
 - c. **Government regulations on workplace safety have become stricter in recent years.**
 - d. The rise of micro-influencers has led to more niche-targeted advertising campaigns.
 - e. Social media influencers play a key role in shaping consumer preferences.
90. Odd One Out: Each of the following sentences are related to a similar topic. Four of them can be used to make a coherent paragraph. Identify the odd sentence out.
- a. Companies are training managers to de-escalate conflicts through active listening.
 - b. Effective communication is key to resolving conflicts in organizational settings.
 - c. Understanding different personality types helps in managing interpersonal conflicts.
 - d. **Many schools across the world are including happiness studies in the curriculum.**
 - e. Mediation is often used as an alternative to litigation in workplace disputes.
91. The researchers aimed to _____ the long-term effects of climate change on coastal ecosystems, utilizing advanced simulation models.
- a. postulate
 - b. consolidate
 - c. delineate
 - d. **ascertain**
92. The government's decision to implement austerity measures was met with widespread criticism, as it was perceived to _____ the needs of vulnerable populations.
- a. facilitate
 - b. **exacerbate**
 - c. consolidate
 - d. trivialize
93. The project's timeline was subject to _____ delays due to unforeseen technical challenges and logistical complexities.
- a. **intermittent**
 - b. extended
 - c. unusual
 - d. regular
94. The five sentences (labelled A – E) are jumbled up. Re-arrange them sequentially to form a coherent paragraph.
- A. While plot and character development are essential elements of storytelling, it is often the thematic depth that elevates a literary work to greatness.
 - B. Some of the most celebrated novels in history resonate because they explore universal questions about morality, identity, and the nature of human existence.

- C. The power of literature lies not merely in its ability to entertain but in its capacity to provoke thought and challenge societal norms.
- D. This is why literary criticism often focuses as much on a work's underlying themes and philosophical inquiries as it does on its narrative structure.
- E. Through allegory, symbolism, and metaphor, writers craft narratives that transcend their immediate context, offering timeless insights into the human condition.

a. **C, A, B, E, D**

b. A, B, C, D, E

c. D, C, B, A, E

d. B, C, A, D, E

95. The five sentences (labelled A – E) are jumbled up. Re-arrange them sequentially to form a coherent paragraph.

- A. However, organizations that fail to adapt to these changes risk obsolescence in an increasingly digital economy.
- B. To remain competitive, businesses must continuously innovate and integrate new technologies into their operations.
- C. The rapid evolution of artificial intelligence and automation is reshaping industries across the globe.
- D. Many companies are leveraging data-driven decision-making to optimize efficiency and improve customer experiences.
- E. As a result, digital transformation has become a strategic priority for leaders in various sectors.

a. C, A, B, E, D

b. A, B, C, D, E

c. **C, E, B, D, A**

d. B, C, A, D, E

Read the following passage and answer the questions that follow:

According to some estimates, if we could compile the amount of food, land, water, and energy used to raise the 10 billion animals slaughtered each year for meat, we could use those resources to feed every single starving person on earth. The majority of these resources are depleted by concentrated animal feeding operations (CAFOs). CAFOs are factory farms that mass-produce livestock—harming animals, the environment, and humans in the process. It is true that these farming methods provide an abundant source of food and employ thousands of workers across the country. However, CAFOs should be placed under more stringent restrictions because of their unfair treatment of animals and the harm they do to both the environment and humans.

One of the key controversies surrounding factory farms is animal rights. Factory farms raise livestock indoors, as opposed to allowing the animals to graze in fields and pastures. The farmers favor this overcrowded environment because it maximizes profits. Providing less space for the animals costs less money; filling pens to their maximum capacity ensures that no space is wasted. Consequently, animal pens are often so small that larger animals cannot lie down or turn around. In some cases, these small cages are beneficial for more than just maximizing capacity: calves, for example, do not gain muscle mass in this environment. This keeps their meat more tender, which makes it more attractive to consumers. Livestock in CAFOs are often found living in their own urine and faeces, stimulating the spread of diseases—such as avian flu, foot and mouth disease, and mad cow disease—among other animals on the farm. In order to combat this, farmers must give the animals antibiotics. In many cases,

however, antibiotics are used for disease prevention instead of treatment. In addition to being used to combat the spread of disease, antibiotics are also commonly used to encourage faster growth in livestock. This overuse increases the risk of livestock developing immunity to antibiotics, ironically making animals even more susceptible to disease. After being digested, these antibiotics are released back into the environment through milk, meat, or waste products.

CAFOs also negatively impact the environment in the form of air and water pollution. Factory farms contribute to air pollution issues in the United States through the release of toxic gases and vapors and by burning fossil fuels to run farm machinery. These farms also have notable consequences for the environment in terms of water pollution. One characteristic of CAFOs that creates water pollution is the presence of a lagoon. Lagoons are artificial storage basins where animal excrement is temporarily contained; periodically, farmers flush this waste into ditches or nearby bodies of water. This waste combines with run-off from fertilized fields to pollute the water sources surrounding CAFOs. It adds excess nutrients, pathogens, veterinary pharmaceuticals, heavy metals, and excreted hormones to the water sources. Such pollutants not only affect aquatic life, but can lead to severe impacts on human health.

Another negative environmental impact of factory farms is resource depletion. Factory farming uses more land than any other agricultural or industrial enterprise in the country. CAFOs consume a great deal of resources in terms of grain, energy, and land. There are far more efficient ways of using these resources to feed people. For example, it has been estimated that the grain used to feed livestock in the United States alone could feed up to 800 million people in one year. By contrast, the production of livestock in CAFOs is a wasteful use of energy. Grain and energy supplies should be used more efficiently to produce food sources other than livestock.

In order to combat the unfair treatment of animals and the risks to environmental and human health, CAFOs should be placed under stricter guidelines. One such regulation would force factory farms to adhere to air and water quality protection standards from which they have previously been exempted, like those set forth by the Clean Water Act. Enforcing these standards would lead to banning environmental hazards such as waste lagoons, which in turn would reduce environmental pollution and human health liabilities.

Some have suggested that, due to these environmental and human health concerns, factory farms should be banned outright. Advocates for CAFOs, however, argue that factory farming allows for lower production costs that translate into lower food prices for consumers. Organic and free-range products, they argue, do not allow for the large-scale production of livestock; prices for meat, eggs, and dairy would increase should the country shift towards organic products. Although this would be an inconvenience to consumers, a price increase would encourage people to eat a diet of less meat.

96. What is the primary purpose of the passage?

- a. **Persuade readers that factory farms should be more strictly regulated**
- b. Suggest economic alternatives to factory farms
- c. Complain about the water pollution caused by the irresponsible practice of CAFOs
- d. Argue against the use of antibiotics for disease prevention in animals

97. Based on information in the passage, it can be inferred that animals raised on CAFOs live indoors because ____.

- a. they require fewer antibiotics than animals raised outside
- b. **they produce more appealing meat and are less expensive to raise**
- c. animals raised in overcrowded environments minimize profits
- d. farmers do not prefer overcrowded environments

98. Farmers violate laws and use ____ to reduce infections and to stimulate faster growth in livestock.
- a. water
 - b. **antibiotics**
 - c. grain
 - d. organic fodder
99. The author describes CAFOs as having a negative impact on the environment for all of the following reasons EXCEPT that ____.
- a. animal waste pollutes water sources near factory farms
 - b. exhaust from farm machinery contributes to air pollution
 - c. **farming methods are cruel to animals**
 - d. fertilizer-rich run-off from farms contaminates the environment
100. Which of the following statements from the fifth paragraph represents an opinion as opposed to a fact?
- a. "It has been estimated that the grain used to feed livestock in the United States alone could feed up to 800 million people in one year."
 - b. "CAFOs consume a great deal of resources in terms of grain, energy, and land."
 - c. "Factory farming uses more land than any other agricultural or industrial enterprise in the country"
 - d. **"Grain and energy supplies should be used more efficiently to produce food sources other than livestock."**