

The Careergram

GRE Full-Length Practice Test

80 practice questions (40 Verbal, 40 Quant) + 2 AWA prompts, an answer sheet, and a complete answer key with brief explanations. Prepared by TheCareerGram.com

Use this test under timed, exam-like conditions. Do not use external resources when attempting the test.

Analytical Writing

Issue Task

Universities should require every student to complete at least one course outside their major field of study (for example, arts for science majors, or science for arts majors). Write an essay in which you discuss the extent to which you agree or disagree with the statement, and explain your reasoning.

Argument Task

The following appeared in a memorandum from the board of directors of a city's public transport authority: "Ridership on city bus routes has fallen 15% over the last five years. The transport authority recommends increasing fares by 10% to offset lost revenue." Write an essay that critiques the reasoning in the memorandum and discuss what additional evidence would be needed to evaluate the recommendation.

Verbal Reasoning – Section 1 (20 Questions)

1. Although initially ____ by critics, Dr. Iyer's hypothesis was later confirmed by independent experiments.
 - A. lauded
 - B. derided
 - C. embraced
 - D. documented
2. The lecturer's explanation of the theorem was remarkably ____; students left the class with a clear grasp of the concept.
 - A. abstruse
 - B. lucid
 - C. prolix
 - D. obscure
3. The committee found the proposal ____ and recommended a more thorough study before implementation.
 - A. provisional
 - B. superficial
 - C. definitive
 - D. exhaustive
4. ____ growth in urban populations during the Industrial Revolution contributed to overcrowding and sanitation problems.
 - A. Sporadic
 - B. Gradual
 - C. Rapid
 - D. Negligible
5. Even the most ____ investors hesitated to finance the high-risk startup.
 - A. cautious
 - B. sanguine
 - C. adventurous
 - D. indifferent
6. The author's prose is both ____ and ____, combining careful argumentation with vivid examples.
 - A. prosaic
 - B. meticulous
 - C. florid
 - D. analytical
 - E. ornate
 - F. glib
7. The mayor's speech was deliberately ____, designed to avoid inflaming either side of the dispute.
 - A. provocative
 - B. conciliatory
 - C. incendiary
 - D. neutral
 - E. belligerent
 - F. inflammatory
8. The committee reached a ____ conclusion that reflected a compromise among divergent viewpoints.
 - A. unilateral
 - B. tentative

- C. collective
- D. solitary
- E. shared
- F. singular

9. Viewers criticized the novel's plot as _____ and the lead actor's performance as _____—two common complaints in negative reviews.

- A. derivative
- B. innovative
- C. convoluted
- D. wooden
- E. nuanced
- F. predictable

10. The proposed policy was intended to be _____ rather than punitive, emphasizing reform over punishment.

- A. retributive
- B. remedial
- C. vindictive
- D. lenient

11. Passage A: Urban community gardens have proliferated in many cities, providing local produce and community space. Participants cite improved mental well-being and stronger neighborhood ties. Critics, however, note that such gardens sometimes serve those already engaged in civic life while excluding lower-income residents who cannot afford the time or resources. Some policy proposals suggest subsidies and outreach programs to increase accessibility. Q11. The primary purpose of Passage A is to:

- A. advocate for community gardens
- B. describe benefits and criticisms of community gardens
- C. show how gardens harm neighborhoods
- D. explain agricultural techniques

12. Q12. According to the passage, participants most commonly report which benefit?

- A. increased profits
- B. improved mental well-being
- C. lower taxes
- D. decreased housing costs

13. Q13. A critic of community gardens would most likely argue that:

- A. they solve food deserts completely
- B. they primarily help politically engaged residents
- C. they reduce urbanization
- D. they are too cheap to maintain

14. Q14. Policy proposals mentioned in the passage include:

- A. raising taxes
- B. building more gardens
- C. subsidies and outreach programs
- D. banning private gardens

15. Q15. Which inference is best supported by the passage?

- A. Community gardens guarantee social cohesion for all residents
- B. Accessibility is a challenge that may limit the equity of garden benefits
- C. Gardens primarily increase property values
- D. Gardens are primarily commercial enterprises

16. Passage B: Advances in machine learning have improved pattern recognition, but many models operate as 'black boxes'—their internal decision processes are opaque even to designers. Researchers advocate for explainable AI that increases transparency, while some warn that

imposing interpretability constraints may reduce performance for complex tasks. Q16. The main concern expressed in Passage B is to do with:

- A. machine learning replacing humans
- B. opacity of models' decision making
- C. a lack of training data
- D. the high cost of computing

17. Q17. 'Black box' in the passage most nearly means:

- A. expensive hardware
- B. transparent processes
- C. systems with inscrutable internal workings
- D. secure encryption

18. Q18. Explainable AI is proposed to improve:

- A. cost efficiency
- B. interpretability of model decisions
- C. hardware performance
- D. data collection methods

19. Q19. One potential downside of demanding interpretability, according to the passage, is:

- A. impossible scientific progress
- B. reduced model performance on complex tasks
- C. higher computational costs only
- D. data security risks

20. Q20. An appropriate inference is that:

- A. interpretability and performance must be balanced
- B. all models should be made completely transparent
- C. explainable AI has been universally adopted
- D. opacity is not a practical concern

Verbal Reasoning – Section 2 (20 Questions)

21. Although the summit is popular, unpredictable weather can make the peak ____ for inexperienced climbers.
- A. accessible
 - B. treacherous
 - C. mundane
 - D. hospitable
22. The poet's later works took on a more ____ tone, reflecting loss and reflection.
- A. elegiac
 - B. buoyant
 - C. rhapsodic
 - D. comical
23. The economist judged the short-term subsidies as ____ measures that failed to address systemic problems.
- A. expedient
 - B. permanent
 - C. revolutionary
 - D. salutary
24. The research methodology was ____ rigorous; peer reviewers accepted the results.
- A. hardly
 - B. sufficiently
 - C. unduly
 - D. excessively
25. Critics called the report ____ because it lacked clear recommendations.
- A. prescriptive
 - B. vague
 - C. conclusive
 - D. comprehensive
26. Supervisors implemented the changes to ____ recurring workflow problems rather than punish employees.
- A. exacerbate
 - B. alleviate
 - C. ignore
 - D. shore up
27. The lecturer's delivery was both ____ and ____, making complex topics easy to follow.
- A. tedious
 - B. lucid
 - C. opaque
 - D. incisive
 - E. rambling
 - F. clear
28. Her writing combines ____ expression with precise details, producing an engaging style.
- A. ornate
 - B. clumsy
 - C. elegant
 - D. muddled
 - E. concise
 - F. verbose
29. The reform produced ____ changes that nonetheless left room for additional improvement.

- A. sweeping
- B. marginal
- C. tentative
- D. permanent
- E. modest
- F. radical

30. The witness's testimony was ____; minor inconsistencies did not undermine its general credibility.

- A. coherent
- B. dubious
- C. unreliable
- D. implausible
- E. credible
- F. erratic

31. Passage C: International climate agreements often founder on conflicting national priorities: wealthy nations emphasize emissions reduction while developing nations prioritize growth and energy access. Instruments like climate finance and technology transfer attempt to bridge the gap, but their success depends on long-term commitments and transparency. Q31. The main idea of Passage C is to highlight:

- A. economic growth is unrelated to climate change
- B. conflicting priorities complicate climate agreements
- C. technology transfer is unnecessary
- D. wealthy nations should prioritize growth

32. Q32. Developing nations are depicted as prioritizing:

- A. emissions mandates
- B. energy access and economic growth
- C. higher taxes
- D. trade protectionism

33. Q33. Instruments mentioned to help bridge the gap include:

- A. tariffs
- B. climate finance and technology transfer
- C. emission taxes only
- D. migration policies

34. Q34. The success of these instruments depends chiefly on:

- A. rapid deployment
- B. public opinion polls
- C. long-term commitments and transparency
- D. seasonal cycles

35. Q35. An implication of the passage is that:

- A. short-term promises are sufficient
- B. trust and sustained funding matter
- C. technology transfer is always easy
- D. wealthy nations bear no responsibility

36. Passage D: Artisan crafts declined during industrialization, but recent revival efforts—festivals, cooperatives, and online marketplaces—have reinvigorated interest. Younger artisans blend traditional motifs with contemporary design, attracting tourists and global customers. Q36. The passage primarily discusses:

- A. the history of industrialization
- B. a revival of artisan crafts and how it's occurring
- C. the decline of tourism
- D. modern manufacturing techniques

37. Q37. Revival efforts cited in the passage include:
- A. tariffs and subsidies
 - B. festivals, cooperatives, and online marketplaces
 - C. factory expansion
 - D. urban migration
38. Q38. Younger artisans are described as:
- A. rejecting tradition entirely
 - B. blending tradition with contemporary design
 - C. focusing only on local markets
 - D. refusing to sell online
39. Q39. A likely consequence of online marketplaces is:
- A. reduced interest in crafts
 - B. greater access to global customers
 - C. fewer tourists
 - D. less innovation
40. Q40. The author's tone in this passage is best described as:
- A. pessimistic
 - B. neutral and informative
 - C. hopeful about revival
 - D. condemning industrialization

Quantitative Reasoning – Section 1 (20 Questions)

41. If $5x + 3 = 23$, what is x ?
- A. 2
 - B. 4
 - C. 5
 - D. 8
42. A bag contains 6 red and 4 blue marbles. If one marble is drawn at random, what is the probability it is red?
- A. $\frac{1}{2}$
 - B. $\frac{3}{5}$
 - C. $\frac{2}{5}$
 - D. $\frac{6}{10}$
43. Simplify: $(\frac{2}{3}) \div (\frac{4}{9})$.
- A. $\frac{2}{3}$
 - B. $\frac{3}{2}$
 - C. $\frac{9}{8}$
 - D. $\frac{3}{4}$
44. A right triangle has legs of lengths 6 and 8. What is the length of the hypotenuse?
- A. 12
 - B. 10
 - C. 14
 - D. 8
45. What is the average (arithmetic mean) of 4, 8, and 12?
- A. 6
 - B. 8
 - C. 9
 - D. 10
46. What is 12% of 250?
- A. 25
 - B. 30
 - C. 24
 - D. 36
47. If $x^2 = 49$ and x is positive, what is x ?
- A. 6
 - B. 7
 - C. 49
 - D. -7
48. Solve: $2x + 7 = 3x - 1$. What is x ?
- A. -8
 - B. 8
 - C. 6
 - D. 1
49. Area of a circle with radius 7 cm (use $\pi = \frac{22}{7}$).
- A. 154 cm^2
 - B. 144 cm^2
 - C. 176 cm^2
 - D. 132 cm^2
50. Simple interest on \$500 at 5% per year for 2 years equals:

- A. \$40
 - B. \$45
 - C. \$50
 - D. \$55
51. If $\frac{2}{5}$ of a number is 14, what is the number?
- A. 28
 - B. 30
 - C. 35
 - D. 40
52. Median of the set {3, 7, 9, 11, 20} is:
- A. 7
 - B. 9
 - C. 11
 - D. 10
53. If $y = 3x + 4$ and $x = 2$, what is y ?
- A. 6
 - B. 8
 - C. 10
 - D. 12
54. If a rectangle has length 10 and width 4, what is its area?
- A. 14
 - B. 40
 - C. 20
 - D. 28
55. If the probability of event A is 0.3 and event B is 0.5 and they are independent, probability of both A and B occurring is:
- A. 0.15
 - B. 0.8
 - C. 0.2
 - D. 0.35
56. Which is greater: $\sqrt{50}$ or 7?
- A. $\sqrt{50}$
 - B. 7
 - C. Equal
 - D. Cannot be determined
57. Perimeter of a rectangle is 26; if length = 8, what is the width?
- A. 5
 - B. 6
 - C. 4
 - D. 3
58. In the arithmetic sequence 2, 5, 8, ... what is the 10th term?
- A. 29
 - B. 30
 - C. 31
 - D. 32
59. LCM of 8 and 12 is:
- A. 24
 - B. 48
 - C. 12
 - D. 8

60. What is 3^4 ?

- A. 27
- B. 64
- C. 81
- D. 12

Quantitative Reasoning – Section 2 (20 Questions)

61. Quantitative Comparison: Quantity A: $\frac{3}{4}$ of 100. Quantity B: 75. Compare:
A. Quantity A is greater
B. Quantity B is greater
C. The two quantities are equal
D. The relationship cannot be determined
62. If probability of event A is 0.4 and event B is 0.25 and independent, probability both occur is:
A. 0.10
B. 0.65
C. 0.15
D. 0.25
63. A company's quarterly sales are: Q1=120, Q2=150, Q3=130, Q4=170. Total annual sales equal:
A. 560
B. 570
C. 600
D. 510
64. Using the same data, percent increase from Q1 to Q4 is approximately:
A. 25%
B. 30%
C. 41.7%
D. 50%
65. If revenue = \$1,000 and profit margin = 20%, profit =:
A. \$100
B. \$150
C. \$200
D. \$250
66. Area of a triangle with base 10 and height 6 is:
A. 30
B. 60
C. 16
D. 40
67. Circumference of a circle with radius 14 (use $\pi=22/7$) is:
A. 44
B. 88
C. 132
D. 28
68. If angle A is 70° , its supplement is:
A. 20°
B. 90°
C. 110°
D. 140°
69. A rectangle has sides 6 and 8. The length of its diagonal is:
A. 8
B. 10
C. 12
D. 14
70. If $0 < x < 1$, which is larger: x or x^2 ?

- A. x
- B. x^2
- C. equal
- D. cannot determine

71. The average of three numbers is 10. If two numbers are 8 and 12, the third number is:

- A. 10
- B. 8
- C. 12
- D. 14

72. 25% of 640 equals:

- A. 120
- B. 140
- C. 160
- D. 200

73. If 7 workers take 10 days to complete a job, how many days will 14 workers take (assuming linear work rate)?

- A. 5
- B. 7
- C. 10
- D. 20

74. A product priced at \$250 is discounted 20%. New price is:

- A. \$200
- B. \$210
- C. \$220
- D. \$240

75. If you randomly choose one letter from the word 'ALGEBRA', probability of choosing 'A' is:

- A. $\frac{1}{7}$
- B. $\frac{2}{7}$
- C. $\frac{1}{6}$
- D. $\frac{2}{6}$

76. Solve the system: $x + y = 10$ and $x - y = 2$. What is x ?

- A. 4
- B. 6
- C. 5
- D. 8

77. If 10% of students pass an exam and there are 500 students, number who pass is:

- A. 50
- B. 100
- C. 10
- D. 5

78. Slope of line through (1,2) and (3,8) is:

- A. 2
- B. 3
- C. 4
- D. 6

79. If $f(x) = 2x + 1$, what is $f(3)$?

- A. 5
- B. 6
- C. 7
- D. 8

80. If a car travels 180 km in 3 hours, its average speed is:

- A. 50 km/h
- B. 55 km/h
- C. 60 km/h
- D. 65 km/h

Answer Sheet (Mark your answers here)

1. _____	2. _____	3. _____	4. _____
5. _____	6. _____	7. _____	8. _____
9. _____	10. _____	11. _____	12. _____
13. _____	14. _____	15. _____	16. _____
17. _____	18. _____	19. _____	20. _____
21. _____	22. _____	23. _____	24. _____
25. _____	26. _____	27. _____	28. _____
29. _____	30. _____	31. _____	32. _____
33. _____	34. _____	35. _____	36. _____
37. _____	38. _____	39. _____	40. _____
41. _____	42. _____	43. _____	44. _____
45. _____	46. _____	47. _____	48. _____
49. _____	50. _____	51. _____	52. _____
53. _____	54. _____	55. _____	56. _____
57. _____	58. _____	59. _____	60. _____
61. _____	62. _____	63. _____	64. _____
65. _____	66. _____	67. _____	68. _____
69. _____	70. _____	71. _____	72. _____
73. _____	74. _____	75. _____	76. _____
77. _____	78. _____	79. _____	80. _____

Answer Key and Explanations

1. B — 'Derided' means criticized; the sentence contrasts initial criticism with later confirmation.
2. B — 'Lucid' means clear—fits the idea that students understood.
3. B — 'Superficial' fits the meaning of lacking depth, prompting further study.
4. C — 'Rapid' growth best explains overcrowding.
5. C — 'Adventurous' investors are willing to take risks, so 'even the most adventurous' fits context.
6. B,D — 'Meticulous' and 'analytical' are consistent with careful argumentation.
7. B,D — 'Conciliatory' and 'neutral' both indicate non-inflammatory rhetoric.
8. C,E — 'Collective' and 'shared' both describe a compromise conclusion.
9. A,F — 'Derivative' and 'predictable' are synonyms often used to criticize plots.
10. B — 'Remedial' emphasizes correction and reform rather than punishment.
11. B — The passage lists benefits and criticisms—descriptive rather than purely advocacy.
12. B — The passage states participants cite improved mental well-being.
13. B — The passage explicitly notes critics' concern about exclusion of lower-income residents.
14. C — The passage mentions subsidies and outreach to increase accessibility.
15. B — The passage suggests benefits may not extend to all due to accessibility issues.
16. B — The passage discusses the 'black box' nature and opacity of models.
17. C — 'Black box' indicates internal workings are not easily understood.
18. B — Explainable AI aims to make decisions more interpretable.
19. B — The passage warns that too much emphasis on interpretability could limit effectiveness.
20. A — The passage suggests a trade-off requiring balance.
21. B — 'Treacherous' fits unpredictable, dangerous conditions.
22. A — 'Elegiac' describes a mournful, reflective tone.
23. A — 'Expedient' implies temporary, short-term fixes.
24. B — 'Sufficiently' explains why peers accepted the results.
25. B — 'Vague' fits lack of clear recommendations.
26. B — 'Alleviate' means to reduce problems.
27. B,F — 'Lucid' and 'clear' both indicate understandability.
28. C,E — 'Elegant' and 'concise' convey an appealing, precise style.
29. E,C — 'Modest' and 'tentative' both suggest limited change.
30. A,E — 'Coherent' and 'credible' indicate reliability.
31. B — The passage focuses on conflicting priorities hindering agreements.
32. B — The passage states developing nations stress growth and energy access.
33. B — Those mechanisms are explicitly named.
34. C — The passage expresses dependence on commitment and transparency.
35. B — Sustained funding and trust follow from need for long-term commitments.
36. B — It describes revival efforts and modern blending of design.
37. B — Those efforts are explicitly mentioned.
38. B — The passage notes blending and finding new markets.
39. B — Online sales expand market reach.
40. C — The passage emphasizes reinvigoration and positive developments.
41. B — $5x=20$ so $x=4$.
42. B — 6 out of $10 = 3/5$.

43. B — $(\frac{2}{3}) * (\frac{9}{4}) = \frac{18}{12} = \frac{3}{2}$.
44. B — Hypotenuse = $\sqrt{36+64} = \sqrt{100} = 10$.
45. B — $(4+8+12)/3 = \frac{24}{3} = 8$.
46. B — $0.12 * 250 = 30$.
47. B — Positive square root of 49 is 7.
48. B — Bring terms: $7+1 = 3x-2x$ => $x=8$.
49. A — Area = $\pi r^2 = (\frac{22}{7}) * 49 = 22 * 7 = 154$.
50. C — Interest = $500 * 0.05 * 2 = \$50$.
51. C — Number = $14 * (\frac{5}{2}) = 35$.
52. B — Middle value in ordered set is 9.
53. C — $y = 3(2) + 4 = 10$.
54. B — Area = length * width = $10 * 4 = 40$.
55. A — Multiply probabilities: $0.3 * 0.5 = 0.15$.
56. A — $\sqrt{50} \approx 7.071$, which is slightly greater than 7.
57. A — Perimeter $2(l+w) = 26$ => $l+w = 13$ => $w = 13 - 8 = 5$.
58. A — nth term = $2 + 3(n-1)$; for $n=10$: $2 + 27 = 29$.
59. A — Prime factors: $8 = 2^3, 12 = 2^2 * 3$ => LCM = $2^3 * 3 = 24$.
60. C — $3^4 = 81$.
61. C — $\frac{3}{4}$ of 100 = 75, so equal.
62. A — $0.4 * 0.25 = 0.10$.
63. B — Sum = $120 + 150 + 130 + 170 = 570$.
64. C — $(170 - 120) / 120 = \frac{50}{120} \approx 0.4167 = 41.67\%$.
65. C — Profit = $0.20 * 1000 = \$200$.
66. A — Area = $0.5 * \text{base} * \text{height} = 0.5 * 10 * 6 = 30$.
67. B — $C = 2\pi r = 2 * (\frac{22}{7}) * 14 = 88$.
68. C — Supplement = $180^\circ - 70^\circ = 110^\circ$.
69. B — Diagonal = $\sqrt{6^2 + 8^2} = \sqrt{36 + 64} = \sqrt{100} = 10$.
70. A — For $0 < x < 1$, squaring reduces the value, so $x > x^2$.
71. A — $(8 + 12 + x) / 3 = 10$ => $x = 10$.
72. C — $0.25 * 640 = 160$.
73. A — Double workers halves the time: $10 / 2 = 5$ days.
74. A — 20% of 250 = 50 => $250 - 50 = 200$.
75. B — Letters: A L G E B R A => 7 letters, 'A' appears twice => $\frac{2}{7}$.
76. B — Add equations: $2x = 12$ => $x = 6$.
77. A — 10% of 500 is 50.
78. B — Slope = $(8 - 2) / (3 - 1) = \frac{6}{2} = 3$.
79. C — $2 * 3 + 1 = 7$.
80. C — $180 / 3 = 60$ km/h.