GED Full-Length Practice Test - Complete Simulation #1

DATE

PERSONAL INFORMATION

FIRST NAME

LAST NAME

EMAIL

---

1 **A rectangle has dimensions of 6 inches by 1 1/2 inches. Its area is**

1 point

- Ⓐ 6 square inches
- Ⓑ 7 square inches
- Ⓒ 12 square inches
- Ⓓ 9 square inches

---

2 **A plane leaves Chicago and travels at an average speed of 660 miles per hour. On average, how many miles per minute will the plane be flying?**

1 point

- Ⓐ 11
- Ⓑ 50
- Ⓒ 35
- Ⓓ 66

---

3 **Consider two equations y = 10x + 1 and y = -9x + 0. If these two equations were plotted on the same graph, they would meet at the point (x, y). At that point, the slopes of the two lines would be**

1 point

- Ⓐ Undefined
- Ⓑ Different from each other
- Ⓒ Zero
- Ⓓ Equal to each other

---

4 **The decimal equivalent of 25%, to the nearest tenth, is [......]**

1 point

- Ⓐ 0.1
- Ⓑ 0.25
- Ⓒ 0.3
- Ⓓ 0.2

---

5 **A rectangle has dimensions of 3 inches by 4 1/2 inches. Its area is**

1 point

- Ⓐ 12 square inches
- Ⓑ 10.5 square inches
- Ⓒ 13.5 square inches
- Ⓓ 15 square inches

---

6 Which of the following is the identity property of addition?

1 point

- (A) a + (-a) = 0
- (B) a + (b + c) = (a + b) + c
- (C) a + b = b + a
- (D) a + 0 = a

7 The formula to convert miles to kilometers is km = miles * 1.60934. What is km if miles = 1?

1 point

- (A) 2.54
- (B) 1.60934
- (C) 0.621371
- (D) 1

8 A runner leaves the starting line and travels at an average speed of 12 miles per hour. On average, how many miles per minute will the runner be traveling?

1 point

- (A) 0.3 miles per minute
- (B) 0.2 miles per minute
- (C) 0.4 miles per minute
- (D) 0.5 miles per minute

9 If x − 2(x + 4) = 2, what is x?

1 point

- (A) -3
- (B) 3
- (C) -2
- (D) 2

10 Nick is planning a birthday party for his son and has a maximum budget of $475 to spend. He intends to rent a party room that costs $125 for the day. He expects a total of 35 people to attend the party and plans to provide them all with lunch. Which of the following inequalities shows how to calculate the amount x that Nick can spend on lunch for each person?

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- (A) 125 + 35x < 475
- (B) 125x + 35 < 475
- (C) 125x + 35x > 475
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11 Mr. Gold pledges $50 and Mr. Silver pledges to give as much as both of them plus another $30. If the total pledge amount is $230, how much did Mr. Silver pledge?

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- (A) $110
- (B) $120
- (C) $140
- (D) $130

12 Consider two equations y = 2x + 3 and y = x - 1. What is the value of y when x = 2 for the first equation?

1 point

- (A) 6
- (B) 5
- (C) 4
- (D) 7

13 The taxi fare is $12.00 and the passenger tips the driver 20%.
What is the total amount he pays?

1 point

- (A) $16.00
- (B) $14.40
- (C) $12.20
- (D) $11.50

14 Factor the polynomial completely: x^2 + 4x + 4

1 point

(A) (x + 2)(x - 2) (B) (x + 2)(x + 2)
(C) (x + 4)(x - 4) (D) (x + 4)(x + 4)

15 How would you write .000 000 000 000 000 095 242 in scientific notation?

1 point

(A) 9.5242 x 10^-15 (B) 9.5242 x 10^-17
(C) 9.5242 x 10^-16 (D) 9.5242 x 10^-18

16 A rectangle has dimensions of 14 inches by 7 1/2 inches. Its perimeter is:

1 point

(A) 42 inches (B) 45 inches
(C) 43 inches (D) 44 inches

17 If 3x + 4 = 7 and 2x - y = 10, what is the value of y?

1 point

(A) y = -3 (B) y = -2
(C) y = 0   (D) y = -1

18 Factor the polynomial completely: x^2 + 2x - 8

1 point

(A) (x + 2)(x - 4) (B) (x + 4)(x - 2)
(C) (x - 4)(x + 2) (D) (x - 2)(x - 4)

19 The decimal equivalent of 10%, to the nearest tenth, is [......]

1 point

(A) 0.2   (B) 0.05
(C) 0.15 (D) 0.1

20 Given that a line through point (4, -2) has slope 3, what is the equation of the line?

1 point

(A) y = 3x - 2   (B) y = 3x - 14
(C) y = 3x - 10 (D) y = 3x + 2

21 Find the value of X

$$\frac{x \times 36 \times 25}{60 \times 30} = 15$$

1 point

(A) 30 (B) 45
(C) 50 (D) 60

22 A rectangle has dimensions of 4 inches by 3 1/2 inches. Its area is

1 point

(A) 14 square inches   (B) 10 square inches
(C) 12 square inches   (D) 7 square inches

23 Solve for x: 5x = 20

1 point

(A) 4   (B) 2
(C) 5   (D) 3

24 Factor the polynomial completely: x^2 - 16

1 point

(A) $(x + 4)(x + 4)$ (B) $(x + 4)(x - 4)$
(C) $(x + 8)(x - 2)$ (D) $(x - 4)(x - 4)$

25 Every correct answer on a standardized test is worth 6 points, but every incorrect answer is scored as −3 points. Blanks are scored as 0. There are 15 questions on the test. The difference between the highest and lowest possible scores on this test is

$$\begin{cases} more\ than \\ less\ than \\ equal\ to \end{cases}$$

100 points

(A) more than   (B) less than
(C) equal to

26 Which sentence correctly uses the past perfect tense?

1 point

(A) I seen him yesterday.   (B) I saw him yesterday.
(C) I had seen him yesterday.   (D) I have seen him yesterday.

27 Which sentence uses correct punctuation?

1 point

(A) My favorite colors are blue green, and purple.
(B) My favorite colors are blue, green and purple.
(C) My favorite colors are blue, green, and purple.
(D) My favorite colors are blue green and purple.

28 Choose the sentence that corrects the parallel structure error: 'The teacher asked the students to read the book, answer the questions, and to write an essay.'

1 point

(A) The teacher asked the students to read the book, answering the questions, and writing an essay.
(B) The teacher asked the students to read the book, answering the questions, and to write an essay.
(C) The teacher asked the students to read the book, to answer the questions, and writing an essay.
(D) The teacher asked the students to read the book, answer the questions, and write an essay.

29 **Which sentence correctly uses a semicolon?**

1 point

Ⓐ They cooked dinner; and then watched a movie.
Ⓑ He went for a run; and then did some yoga.
Ⓒ I like to read books; and listen to music.
Ⓓ She is studying for her exam; because she wants to do well.

30 **Which is the direct object in the sentence: 'He cooked a delicious meal.'?**

1 point

Ⓐ meal   Ⓑ delicious
Ⓒ cooked   Ⓓ He

31 **Which of the following sentences demonstrates correct use of parallel structure?**

1 point

Ⓐ He enjoys playing football, to run, and swimming.
Ⓑ They love hiking, biking, and to swim.
Ⓒ She likes reading, to swim, and jogging.
Ⓓ She likes reading, swimming, and jogging.

32 **Which sentence is grammatically correct? A. They had went to the concert last night. B. They had gone to the concert last night. C. They have went to the concert last night. D. They have gone to the concert last night.**

1 point

Ⓐ They had gone to the concert last night.
Ⓑ They had went to the concert last night.
Ⓒ They have gone to the concert last night.
Ⓓ They have went to the concert last night.

33 **The book belongs to _____.**

1 point

Ⓐ its   Ⓑ our
Ⓒ my   Ⓓ their

34 **Which sentence uses correct punctuation?**

1 point

Ⓐ After the meeting, we went out for dinner
Ⓑ After the meeting we went out for dinner.
Ⓒ After the meeting, we went out for dinner.
Ⓓ After the meeting we went out for dinner

35 **Identify the type of conjunction in the following sentence: Although it was raining, we decided to go for a walk.**

1 point

36 **Which sentence uses correct punctuation?**

1 point

(A) I will be attending the conference next week however I have not received the agenda yet.
(B) I will be attending the conference next week however, I have not received the agenda yet.
(C) I will be attending the conference next week, however I have not received the agenda yet.
(D) I will be attending the conference next week, however, I have not received the agenda yet.

37 **Nobody wants to lose _____ keys.**

1 point

(A) her
(B) his
(C) its
(D) their

38 **Choose the sentence that correctly uses 'stationery'?**

1 point

(A) He remained stationery during the meeting.
(B) The stationery bike was used for exercise.
(C) The car was stationery throughout the storm.
(D) She bought new stationery for her office.

39 **The group of friends _____ going to the movies tonight.**

1 point

(A) have
(B) were
(C) is
(D) are

40 **Identify the direct object in the sentence: 'They built a sandcastle on the beach.'**

1 point

(A) sandcastle
(B) beach
(C) built
(D) They

41 **Select the sentence that uses 'ensure' correctly.**

1 point

(A) He ensured his house against fire.
(B) He tried to insure the safety of the passengers.
(C) She wanted to ensure her car.
(D) The measures will ensure the success of the project.

42 **Which sentence contains a dangling modifier?**

1 point

(A) Cooking dinner, the smoke alarm went off.
(B) Playing the guitar, the song was familiar.
(C) Singing in the shower, the hot water ran out.
(D) Walking in the park, the flowers bloomed beautifully.

43 **Which of the following sentences is not parallel in structure?**

1 point

(A) The project involved researching, analyzing data, and presenting findings.
(B) He likes to swim, run, and playing basketball.
(C) They plan to travel, explore, and sightseeing.
(D) She walked to the store, bought groceries, and returned home.

44 **Which sentence uses correct parallel structure?**

1 point

(A) They were laughing, joking, and play games.
(B) She is painting, writing, and to draw.
(C) I like to read, cook, and watching movies.
(D) He enjoys playing basketball, soccer, and to run.

45 **Which sentence uses correct punctuation?**

1 point

(A) She enjoys reading cooking magazines watching cooking shows and experimenting in the kitchen.
(B) She enjoys reading cooking magazines, watching cooking shows, and experimenting in the kitchen.
(C) She enjoys reading cooking magazines watching cooking shows, and experimenting in the kitchen.
(D) She enjoys reading cooking magazines, watching cooking shows and experimenting in the kitchen

46 **Identify the prepositional phrase in the following sentence: The cat jumped off the bed.**

1 point

(A) The bed
(B) Off the bed
(C) The cat
(D) Jumped off

47 **Which sentence uses correct parallel structure?**

1 point

(A) I like to cook, eat, and to relax.
(B) They were laughing, joking, and to play soccer.
(C) She is painting, writing, and to read.
(D) He enjoys playing soccer, basketball, and to run.

48 **Which of the following sentences is correctly parallel in structure?**

1 point

(A) He is good at painting, drawing, and to sculpt.
(B) I like cooking, baking, and to gardening.
(C) She enjoys hiking, biking, and to swim.
(D) They prefer skiing, snowboarding, and to ice skate.

49 **Identify the type of conjunction in the following sentence: Either you study hard, or you will fail the exam.**

1 point

50 **Which sentence uses correct parallel structure?**

1 point

(A) He is tall, handsome, and has a good sense of humor.
(B) They are studying, working, and to travel.
(C) The cat is sleeping, playing, and likes to chase mice.

(D) She enjoys cooking, dancing, and to sing.

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51 **Which amendment granted citizenship to all persons born or naturalized in the United States?**

1 point

(A) 12th Amendment   (B) 13th Amendment
(C) 14th Amendment   (D) 15th Amendment

---

52 **Which Founding Father wrote 'Common Sense', a pamphlet advocating independence from Britain?**

1 point

(A) John Adams   (B) Benjamin Franklin
(C) Thomas Paine   (D) Samuel Adams

---

53 **Which Founding Father was the principal author of the Declaration of Independence?**

1 point

(A) James Madison   (B) Benjamin Franklin
(C) John Adams   (D) Thomas Jefferson

---

54 **Who led the rebellion in Virginia in 1676 against the colonial government?**

1 point

(A) Thomas Hooker   (B) Nathaniel Bacon
(C) William Berkeley   (D) John Smith

---

55 **Which amendment to the U.S. Constitution abolished slavery?**

1 point

(A) 15th Amendment   (B) 12th Amendment
(C) 14th Amendment   (D) 13th Amendment

---

56 **Which amendment ensures equal protection under the law?**

1 point

(A) 15th Amendment   (B) 14th Amendment
(C) 13th Amendment   (D) 18th Amendment

---

57 **Which amendment addresses the quartering of soldiers in private homes?**

1 point

(A) Fourth Amendment   (B) Third Amendment
(C) Second Amendment   (D) First Amendment

---

58 **What was the main cause of the American Civil War?**

1 point

(A) Slavery   (B) Political disputes
(C) Economic differences   (D) Territorial expansion

---

59 **Which amendment guarantees the right to a speedy and public trial?**

1 point

(A) Fifth Amendment   (B) Seventh Amendment
(C) Eighth Amendment   (D) Sixth Amendment

---

60 **Which biome experiences seasonal droughts and has a mix of trees and grasses?**

1 point

(A) Savanna
(B) Tundra
(C) Rainforest
(D) Desert

61 **Which climate classification system is most widely used?**

1 point

(A) Holdridge
(B) Thornthwaite
(C) Köppen
(D) Bergeron

62 **Which biome is characterized by coniferous forests and cold winters?**

1 point

(A) Desert
(B) Taiga
(C) Savanna
(D) Rainforest

63 **Which concept refers to the process of integrating minority groups into mainstream society while maintaining their unique cultural identities?**

1 point

(A) Marginalization
(B) Assimilation
(C) Segregation
(D) Integration

64 **Which trade route was primarily used for the transportation of amber?**

1 point

(A) Incense Route
(B) Amber Road
(C) Silk Road
(D) Royal Road

65 **Which term refers to the coexistence of multiple cultural groups within a society?**

1 point

(A) Homogeneity
(B) Assimilation
(C) Multiculturalism
(D) Ethnocentrism

66 **What is the primary cause of habitat destruction?**

1 point

(A) Urbanization
(B) Climate change
(C) Natural disasters
(D) Pollution

67 **Which religion primarily uses the Torah as its sacred text?**

1 point

(A) Judaism
(B) Islam
(C) Christianity
(D) Buddhism

68 **What is the primary goal of a command economy?**

1 point

(A) Ensuring economic equality
(B) Encouraging competition
(C) Maximizing profits
(D) Reducing government intervention

69 What does APR stand for?

1 point

- Ⓐ Annual Payment Rate
- Ⓑ Annual Percentage Rate
- Ⓒ Annual Purchase Rate
- Ⓓ Annual Profit Rate

70 What is meant by 'needs' in consumer behaviour?

1 point

- Ⓐ Basic requirements for survival
- Ⓑ Wants for entertainment
- Ⓒ Preferences for luxury items
- Ⓓ Desires for specific brands

71 What does the Retail Sales indicator measure?

1 point

- Ⓐ The number of new jobs created
- Ⓑ Total sales of goods and services by retailers
- Ⓒ Changes in the price level of consumer goods
- Ⓓ Total value of goods and services produced

72 Which economic system is characterized by private ownership of resources?

1 point

- Ⓐ Mixed economy
- Ⓑ Market economy
- Ⓒ Command economy
- Ⓓ Traditional economy

73 Which term refers to a policy of non-intervention in other countries' affairs?

1 point

- Ⓐ Multilateralism
- Ⓑ Interventionism
- Ⓒ Globalism
- Ⓓ Isolationism

74 Which of the following is an example of a contractionary monetary policy?

1 point

- Ⓐ Raising interest rates
- Ⓑ Lowering interest rates
- Ⓒ Increasing money supply
- Ⓓ Increasing government spending

75 What is the primary goal of monetary policy?

1 point

- Ⓐ To manage environmental policies
- Ⓑ To increase government spending
- Ⓒ To regulate trade agreements
- Ⓓ To control inflation

76 Why is civic engagement important?

1 point

- Ⓐ It provides entertainment
- Ⓑ It helps to build a stronger community
- Ⓒ It increases personal wealth
- Ⓓ It promotes individualism

77 What is the primary characteristic of federalism?

1 point

- Ⓐ Division of powers between national and state governments
- Ⓑ Centralized governance
- Ⓒ Direct democracy

78 **Which of the following actions exemplifies civic engagement?**

1 point

Ⓐ Participating in a local election campaign
Ⓑ Joining a book club
Ⓒ Taking a personal vacation
Ⓓ Watching a movie marathon

79 **What role do town hall meetings play in civic engagement?**

1 point

Ⓐ They provide a platform for community discussion
Ⓑ They serve as a place for private parties
Ⓒ They are a form of entertainment
Ⓓ They promote commercial advertising

80 **Which amendment provides the right to keep and bear arms?**

1 point

Ⓐ Second Amendment   Ⓑ First Amendment
Ⓒ Third Amendment   Ⓓ Fourth Amendment

81 **Which amendment reserves powers not delegated to the federal government to the states or the people?**

1 point

Ⓐ Tenth Amendment   Ⓑ Twelfth Amendment
Ⓒ Ninth Amendment   Ⓓ Eleventh Amendment

82 **Which document outlines the structure of the federal government?**

1 point

Ⓐ The Bill of Rights   Ⓑ The Federalist Papers
Ⓒ The Constitution   Ⓓ The Declaration of Independence

83 **What can individuals do to engage civically?**

1 point

Ⓐ Focus only on personal goals   Ⓑ Ignore local issues
Ⓒ Stay isolated from neighbors   Ⓓ Volunteer at community events

84 **Which thermodynamic law states that the total entropy of an isolated system can never decrease over time?**

1 point

Ⓐ Third Law   Ⓑ First Law
Ⓒ Second Law   Ⓓ Zeroth Law

85 **The Law of Conservation of Mass is important for which type of chemical reactions?**

1 point

Ⓐ Both endothermic and exothermic reactions
Ⓑ Neither endothermic nor exothermic reactions
Ⓒ Endothermic reactions only
Ⓓ Exothermic reactions only

86 Which of the following is a characteristic property of iron?

1 point

- (A) It is magnetic
- (B) It is a liquid at room temperature
- (C) It is non-conductive
- (D) It is transparent

87 Which thermodynamic process occurs at constant pressure?

1 point

- (A) Isochoric
- (B) Adiabatic
- (C) Isothermal
- (D) Isobaric

88 What is the effect of atmospheric diffraction on the apparent position of celestial objects?

1 point

- (A) It makes them appear to move
- (B) It makes them appear farther
- (C) It makes them appear to change color
- (D) It makes them appear closer

89 Which property of a wave is affected by the medium through which it travels?

1 point

- (A) Amplitude
- (B) Frequency
- (C) Wavelength
- (D) Speed

90 Which process converts solar energy directly into electrical energy?

1 point

- (A) Photosynthesis
- (B) Combustion
- (C) Nuclear fusion
- (D) Photovoltaic effect

91 Who is credited with the discovery of the Law of Conservation of Mass?

1 point

- (A) Robert Boyle
- (B) Antoine Lavoisier
- (C) John Dalton
- (D) Dmitri Mendeleev

92 What is the primary function of the neutron in the nucleus?

1 point

- (A) To emit radiation
- (B) To provide charge
- (C) To participate in chemical reactions
- (D) To stabilize the nucleus

93 Which of the following is a common application of biotechnology in agriculture?

1 point

- (A) Studying animal behavior
- (B) Producing renewable energy
- (C) Creating synthetic drugs
- (D) Developing genetically modified crops

94 What is the primary function of lysosomes in the cell?

1 point

- (A) Signal transduction
- (B) Protein synthesis
- (C) Waste degradation
- (D) Energy production

95 **What term describes different forms of a gene?**

1 point

Ⓐ Alleles
Ⓑ Loci
Ⓒ Haplotypes
Ⓓ Chromatids

96 **What is the role of the alveoli in the respiratory system?**

1 point

Ⓐ Transporting oxygen to tissues
Ⓑ Producing mucus to trap particles
Ⓒ Filtering air before it reaches the lungs
Ⓓ Exchanging gases between air and blood

97 **What is the process of copying DNA called?**

1 point

Ⓐ Transcription
Ⓑ Translation
Ⓒ Replication
Ⓓ Mutation

98 **Which structure is found in Gram-negative bacteria but not in Gram-positive bacteria?**

1 point

Ⓐ Peptidoglycan
Ⓑ Outer membrane
Ⓒ Capsule
Ⓓ Flagella

99 **Which structure in the heart prevents backflow of blood?**

1 point

Ⓐ Valves
Ⓑ Aorta
Ⓒ Ventricles
Ⓓ Septum

100 **What is the main purpose of bioremediation?**

1 point

Ⓐ Cleaning up environmental pollutants
Ⓑ Building robots
Ⓒ Exploring space
Ⓓ Creating video games

101 **What is the primary function of the red blood cells?**

1 point

Ⓐ To carry oxygen
Ⓑ To produce hormones
Ⓒ To clot blood
Ⓓ To fight infections

102 **What is an ecosystem?**

1 point

Ⓐ A community of living organisms interacting with the nonliving components of their environment
Ⓑ A form of government
Ⓒ A type of weather pattern
Ⓓ A group of stars and planets

103 **Which severe weather event is often associated with the formation of a funnel cloud?**

1 point

- Ⓐ Blizzard
- Ⓑ Tornado
- Ⓒ Hurricane
- Ⓓ Flood

104 **Which gas is most responsible for the greenhouse effect?**

1 point

- Ⓐ Nitrogen
- Ⓑ Oxygen
- Ⓒ Argon
- Ⓓ Carbon dioxide

105 **Who was one of the first to propose that the Earth is spherical?**

1 point

- Ⓐ Isaac Newton
- Ⓑ Galileo Galilei
- Ⓒ Pythagoras
- Ⓓ Albert Einstein

106 **What occurs at a subduction zone?**

1 point

- Ⓐ Two plates move apart
- Ⓑ One plate is forced below another
- Ⓒ Two plates collide and form mountains
- Ⓓ One plate slides past another

107 **What type of pollution is caused by excessive nutrients in water bodies?**

1 point

- Ⓐ Eutrophication
- Ⓑ Thermal pollution
- Ⓒ Air pollution
- Ⓓ Noise pollution

108 **What is the Earth's largest ocean?**

1 point

- Ⓐ Indian Ocean
- Ⓑ Pacific Ocean
- Ⓒ Arctic Ocean
- Ⓓ Atlantic Ocean

109 **Which process is primarily responsible for the formation of sedimentary rocks?**

1 point

- Ⓐ Cooling
- Ⓑ Erosion and Deposition
- Ⓒ Metamorphism
- Ⓓ Melting

110 **Which severe weather event is known for causing widespread destruction due to high winds and heavy rain?**

1 point

- Ⓐ Drought
- Ⓑ Hurricane
- Ⓒ Tornado
- Ⓓ Blizzard

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- Ⓐ -3
- Ⓑ 3
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10 Nick is planning a birthday party for his son and has a maximum budget of $475 to spend. He intends to rent a party room that costs $125 for the day. He expects a total of 35 people to attend the party and plans to provide them all with lunch. Which of the following inequalities shows how to calculate the amount x that Nick can spend on lunch for each person?

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- Ⓑ 125x + 35 < 475
- Ⓒ 125x + 35x > 475
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Ⓒ (x + 4)(x - 4)   Ⓓ (x + 4)(x + 4)

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1 point

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Ⓒ 9.5242 x 10^-16   Ⓓ 9.5242 x 10^-18

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1 point

Ⓐ 42 inches   Ⓑ 45 inches
● 43 inches   Ⓓ 44 inches

17 | If 3x + 4 = 7 and 2x - y = 10, what is the value of y?

1 point

● y = -3   Ⓑ y = -2
Ⓒ y = 0   Ⓓ y = -1

18 | Factor the polynomial completely: x^2 + 2x - 8

1 point

Ⓐ (x + 2)(x - 4)   ● (x + 4)(x - 2)
Ⓒ (x - 4)(x + 2)   Ⓓ (x - 2)(x - 4)

19 | The decimal equivalent of 10%, to the nearest tenth, is [......]

1 point

Ⓐ 0.2   Ⓑ 0.05
Ⓒ 0.15   ● 0.1

20 | Given that a line through point (4, -2) has slope 3, what is the equation of the line?

1 point

Ⓐ y = 3x - 2   Ⓑ y = 3x - 14
● y = 3x - 10   Ⓓ y = 3x + 2

21 | Find the value of X

$$\frac{x \times 36 \times 25}{60 \times 30} = 15$$

1 point

● 30   Ⓑ 45
Ⓒ 50   Ⓓ 60

22 **A rectangle has dimensions of 4 inches by 3 1/2 inches. Its area is**

1 point

- (A) 14 square inches
- (B) 10 square inches
- ● 12 square inches
- (D) 7 square inches

23 **Solve for x: 5x = 20**

1 point

- ● 4
- (B) 2
- (C) 5
- (D) 3

24 **Factor the polynomial completely: x^2 - 16**

1 point

- (A) (x + 4)(x + 4)
- ● (x + 4)(x - 4)
- (C) (x + 8)(x - 2)
- (D) (x - 4)(x - 4)

25 **Every correct answer on a standardized test is worth 6 points, but every incorrect answer is scored as –3 points. Blanks are scored as 0. There are 15 questions on the test. The difference between the highest and lowest possible scores on this test is**

$$\begin{cases} more\ than \\ less\ than \\ equal\ to \end{cases}$$

100 points

- ● more than
- (B) less than
- (C) equal to

26 **Which sentence correctly uses the past perfect tense?**

1 point

- (A) I seen him yesterday.
- (B) I saw him yesterday.
- ● I had seen him yesterday.
- (D) I have seen him yesterday.

27 **Which sentence uses correct punctuation?**

1 point

- (A) My favorite colors are blue green, and purple.
- (B) My favorite colors are blue, green and purple.
- ● My favorite colors are blue, green, and purple.
- (D) My favorite colors are blue green and purple.

28 **Choose the sentence that corrects the parallel structure error: 'The teacher asked the students to read the book, answer the questions, and to write an essay.'**

1 point

- (A) The teacher asked the students to read the book, answering the questions, and writing an essay.
- (B) The teacher asked the students to read the book, answering the questions, and to write an essay.
- (C) The teacher asked the students to read the book, to answer the questions, and writing an essay.
- ● The teacher asked the students to read the book, answer the questions, and write an essay.

29 **Which sentence correctly uses a semicolon?**

1 point

Ⓐ They cooked dinner; and then watched a movie.

Ⓑ He went for a run; and then did some yoga.

🟢 I like to read books; and listen to music.

Ⓓ She is studying for her exam; because she wants to do well.

30 **Which is the direct object in the sentence: 'He cooked a delicious meal.'?**

1 point

🟢 meal

Ⓑ delicious

Ⓒ cooked

Ⓓ He

31 **Which of the following sentences demonstrates correct use of parallel structure?**

1 point

Ⓐ He enjoys playing football, to run, and swimming.

Ⓑ They love hiking, biking, and to swim.

Ⓒ She likes reading, to swim, and jogging.

🟢 She likes reading, swimming, and jogging.

32 **Which sentence is grammatically correct? A. They had went to the concert last night. B. They had gone to the concert last night. C. They have went to the concert last night. D. They have gone to the concert last night.**

1 point

🟢 They had gone to the concert last night.

Ⓑ They had went to the concert last night.

Ⓒ They have gone to the concert last night.

Ⓓ They have went to the concert last night.

33 **The book belongs to _____.**

1 point

🟢 its

Ⓑ our

Ⓒ my

Ⓓ their

34 **Which sentence uses correct punctuation?**

1 point

Ⓐ After the meeting, we went out for dinner

Ⓑ After the meeting we went out for dinner.

🟢 After the meeting, we went out for dinner.

Ⓓ After the meeting we went out for dinner

35 **Identify the type of conjunction in the following sentence: Although it was raining, we decided to go for a walk.**

1 point

Although

36 Which sentence uses correct punctuation?

1 point

- (A) I will be attending the conference next week however I have not received the agenda yet.
- (B) I will be attending the conference next week however, I have not received the agenda yet.
- ● I will be attending the conference next week, however I have not received the agenda yet.
- (D) I will be attending the conference next week, however, I have not received the agenda yet.

37 Nobody wants to lose _____ keys.

1 point

- (A) her
- (B) his
- (C) its
- ● their

38 Choose the sentence that correctly uses 'stationery'?

1 point

- (A) He remained stationery during the meeting.
- (B) The stationery bike was used for exercise.
- (C) The car was stationery throughout the storm.
- ● She bought new stationery for her office.

39 The group of friends _____ going to the movies tonight.

1 point

- (A) have
- (B) were
- ● is
- (D) are

40 Identify the direct object in the sentence: 'They built a sandcastle on the beach.'

1 point

- ● sandcastle
- (B) beach
- (C) built
- (D) They

41 Select the sentence that uses 'ensure' correctly.

1 point

- (A) He ensured his house against fire.
- (B) He tried to insure the safety of the passengers.
- (C) She wanted to ensure her car.
- ● The measures will ensure the success of the project.

42 Which sentence contains a dangling modifier?

1 point

- (A) Cooking dinner, the smoke alarm went off.
- (B) Playing the guitar, the song was familiar.
- (C) Singing in the shower, the hot water ran out.
- ● Walking in the park, the flowers bloomed beautifully.

43 Which of the following sentences is not parallel in structure?

1 point

- (A) The project involved researching, analyzing data, and presenting findings.
- ● He likes to swim, run, and playing basketball.
- (C) They plan to travel, explore, and sightseeing.
- (D) She walked to the store, bought groceries, and returned home.

44 **Which sentence uses correct parallel structure?**

1 point

- (A) They were laughing, joking, and play games.
- (B) She is painting, writing, and to draw.
- (C) I like to read, cook, and watching movies.
- ● He enjoys playing basketball, soccer, and to run.

45 **Which sentence uses correct punctuation?**

1 point

- (A) She enjoys reading cooking magazines watching cooking shows and experimenting in the kitchen.
- ● She enjoys reading cooking magazines, watching cooking shows, and experimenting in the kitchen.
- (C) She enjoys reading cooking magazines watching cooking shows, and experimenting in the kitchen.
- (D) She enjoys reading cooking magazines, watching cooking shows and experimenting in the kitchen

46 **Identify the prepositional phrase in the following sentence: The cat jumped off the bed.**

1 point

- (A) The bed
- ● Off the bed
- (C) The cat
- (D) Jumped off

47 **Which sentence uses correct parallel structure?**

1 point

- (A) I like to cook, eat, and to relax.
- (B) They were laughing, joking, and to play soccer.
- (C) She is painting, writing, and to read.
- ● He enjoys playing soccer, basketball, and to run.

48 **Which of the following sentences is correctly parallel in structure?**

1 point

- (A) He is good at painting, drawing, and to sculpt.
- (B) I like cooking, baking, and to gardening.
- (C) She enjoys hiking, biking, and to swim.
- ● They prefer skiing, snowboarding, and to ice skate.

49 **Identify the type of conjunction in the following sentence: Either you study hard, or you will fail the exam.**

1 point

or

50 **Which sentence uses correct parallel structure?**

1 point

- ● He is tall, handsome, and has a good sense of humor.
- (B) They are studying, working, and to travel.
- (C) The cat is sleeping, playing, and likes to chase mice.

(D) She enjoys cooking, dancing, and to sing.

51 **Which amendment granted citizenship to all persons born or naturalized in the United States?**

1 point

(A) 12th Amendment   (B) 13th Amendment

● 14th Amendment   (D) 15th Amendment

52 **Which Founding Father wrote 'Common Sense', a pamphlet advocating independence from Britain?**

1 point

(A) John Adams   (B) Benjamin Franklin

● Thomas Paine   (D) Samuel Adams

53 **Which Founding Father was the principal author of the Declaration of Independence?**

1 point

(A) James Madison   (B) Benjamin Franklin

(C) John Adams   ● Thomas Jefferson

54 **Who led the rebellion in Virginia in 1676 against the colonial government?**

1 point

(A) Thomas Hooker   ● Nathaniel Bacon

(C) William Berkeley   (D) John Smith

55 **Which amendment to the U.S. Constitution abolished slavery?**

1 point

(A) 15th Amendment   (B) 12th Amendment

(C) 14th Amendment   ● 13th Amendment

56 **Which amendment ensures equal protection under the law?**

1 point

(A) 15th Amendment   ● 14th Amendment

(C) 13th Amendment   (D) 18th Amendment

57 **Which amendment addresses the quartering of soldiers in private homes?**

1 point

(A) Fourth Amendment   ● Third Amendment

(C) Second Amendment   (D) First Amendment

58 **What was the main cause of the American Civil War?**

1 point

● Slavery   (B) Political disputes

(C) Economic differences   (D) Territorial expansion

59 **Which amendment guarantees the right to a speedy and public trial?**

1 point

(A) Fifth Amendment   (B) Seventh Amendment

(C) Eighth Amendment   ● Sixth Amendment

60 **Which biome experiences seasonal droughts and has a mix of trees and grasses?**

1 point

- ● Savanna
- Ⓑ Tundra
- Ⓒ Rainforest
- Ⓓ Desert

61 **Which climate classification system is most widely used?**

1 point

- Ⓐ Holdridge
- Ⓑ Thornthwaite
- ● Köppen
- Ⓓ Bergeron

62 **Which biome is characterized by coniferous forests and cold winters?**

1 point

- Ⓐ Desert
- ● Taiga
- Ⓒ Savanna
- Ⓓ Rainforest

63 **Which concept refers to the process of integrating minority groups into mainstream society while maintaining their unique cultural identities?**

1 point

- Ⓐ Marginalization
- Ⓑ Assimilation
- Ⓒ Segregation
- ● Integration

64 **Which trade route was primarily used for the transportation of amber?**

1 point

- Ⓐ Incense Route
- ● Amber Road
- Ⓒ Silk Road
- Ⓓ Royal Road

65 **Which term refers to the coexistence of multiple cultural groups within a society?**

1 point

- Ⓐ Homogeneity
- Ⓑ Assimilation
- ● Multiculturalism
- Ⓓ Ethnocentrism

66 **What is the primary cause of habitat destruction?**

1 point

- ● Urbanization
- Ⓑ Climate change
- Ⓒ Natural disasters
- Ⓓ Pollution

67 **Which religion primarily uses the Torah as its sacred text?**

1 point

- ● Judaism
- Ⓑ Islam
- Ⓒ Christianity
- Ⓓ Buddhism

68 **What is the primary goal of a command economy?**

1 point

- ● Ensuring economic equality
- Ⓑ Encouraging competition
- Ⓒ Maximizing profits
- Ⓓ Reducing government intervention

69 What does APR stand for?

1 point

(A) Annual Payment Rate   ● Annual Percentage Rate
(C) Annual Purchase Rate   (D) Annual Profit Rate

70 What is meant by 'needs' in consumer behaviour?

1 point

● Basic requirements for survival   (B) Wants for entertainment
(C) Preferences for luxury items   (D) Desires for specific brands

71 What does the Retail Sales indicator measure?

1 point

(A) The number of new jobs created
● Total sales of goods and services by retailers
(C) Changes in the price level of consumer goods
(D) Total value of goods and services produced

72 Which economic system is characterized by private ownership of resources?

1 point

(A) Mixed economy   ● Market economy
(C) Command economy   (D) Traditional economy

73 Which term refers to a policy of non-intervention in other countries' affairs?

1 point

(A) Multilateralism   (B) Interventionism
(C) Globalism   ● Isolationism

74 Which of the following is an example of a contractionary monetary policy?

1 point

● Raising interest rates   (B) Lowering interest rates
(C) Increasing money supply   (D) Increasing government spending

75 What is the primary goal of monetary policy?

1 point

(A) To manage environmental policies   (B) To increase government spending
(C) To regulate trade agreements   ● To control inflation

76 Why is civic engagement important?

1 point

(A) It provides entertainment
● It helps to build a stronger community
(C) It increases personal wealth
(D) It promotes individualism

77 What is the primary characteristic of federalism?

1 point

● Division of powers between national and state governments
(B) Centralized governance

- Ⓒ Direct democracy
- Ⓓ One-party rule

78 Which of the following actions exemplifies civic engagement?

1 point

- 🟢 Participating in a local election campaign
- Ⓑ Joining a book club
- Ⓒ Taking a personal vacation
- Ⓓ Watching a movie marathon

79 What role do town hall meetings play in civic engagement?

1 point

- 🟢 They provide a platform for community discussion
- Ⓑ They serve as a place for private parties
- Ⓒ They are a form of entertainment
- Ⓓ They promote commercial advertising

80 Which amendment provides the right to keep and bear arms?

1 point

- 🟢 Second Amendment
- Ⓒ Third Amendment
- Ⓑ First Amendment
- Ⓓ Fourth Amendment

81 Which amendment reserves powers not delegated to the federal government to the states or the people?

1 point

- 🟢 Tenth Amendment
- Ⓒ Ninth Amendment
- Ⓑ Twelfth Amendment
- Ⓓ Eleventh Amendment

82 Which document outlines the structure of the federal government?

1 point

- Ⓐ The Bill of Rights
- 🟢 The Constitution
- Ⓑ The Federalist Papers
- Ⓓ The Declaration of Independence

83 What can individuals do to engage civically?

1 point

- Ⓐ Focus only on personal goals
- Ⓒ Stay isolated from neighbors
- Ⓑ Ignore local issues
- 🟢 Volunteer at community events

84 Which thermodynamic law states that the total entropy of an isolated system can never decrease over time?

1 point

- Ⓐ Third Law
- 🟢 Second Law
- Ⓑ First Law
- Ⓓ Zeroth Law

85 The Law of Conservation of Mass is important for which type of chemical reactions?

1 point

- 🟢 Both endothermic and exothermic reactions
- Ⓑ Neither endothermic nor exothermic reactions

(C) Endothermic reactions only
(D) Exothermic reactions only

86 Which of the following is a characteristic property of iron?

1 point

● It is magnetic
(B) It is a liquid at room temperature
(C) It is non-conductive
(D) It is transparent

87 Which thermodynamic process occurs at constant pressure?

1 point

(A) Isochoric
(B) Adiabatic
(C) Isothermal
● Isobaric

88 What is the effect of atmospheric diffraction on the apparent position of celestial objects?

1 point

● It makes them appear to move
(B) It makes them appear farther
(C) It makes them appear to change color
(D) It makes them appear closer

89 Which property of a wave is affected by the medium through which it travels?

1 point

(A) Amplitude
(B) Frequency
(C) Wavelength
● Speed

90 Which process converts solar energy directly into electrical energy?

1 point

(A) Photosynthesis
(B) Combustion
(C) Nuclear fusion
● Photovoltaic effect

91 Who is credited with the discovery of the Law of Conservation of Mass?

1 point

(A) Robert Boyle
● Antoine Lavoisier
(C) John Dalton
(D) Dmitri Mendeleev

92 What is the primary function of the neutron in the nucleus?

1 point

(A) To emit radiation
(B) To provide charge
(C) To participate in chemical reactions
● To stabilize the nucleus

93 Which of the following is a common application of biotechnology in agriculture?

1 point

(A) Studying animal behavior
(B) Producing renewable energy
(C) Creating synthetic drugs
● Developing genetically modified crops

94 **What is the primary function of lysosomes in the cell?**

1 point

Ⓐ Signal transduction
Ⓑ Protein synthesis
🟢 Waste degradation
Ⓓ Energy production

95 **What term describes different forms of a gene?**

1 point

🟢 Alleles
Ⓑ Loci
Ⓒ Haplotypes
Ⓓ Chromatids

96 **What is the role of the alveoli in the respiratory system?**

1 point

Ⓐ Transporting oxygen to tissues
Ⓑ Producing mucus to trap particles
Ⓒ Filtering air before it reaches the lungs
🟢 Exchanging gases between air and blood

97 **What is the process of copying DNA called?**

1 point

Ⓐ Transcription
Ⓑ Translation
🟢 Replication
Ⓓ Mutation

98 **Which structure is found in Gram-negative bacteria but not in Gram-positive bacteria?**

1 point

Ⓐ Peptidoglycan
🟢 Outer membrane
Ⓒ Capsule
Ⓓ Flagella

99 **Which structure in the heart prevents backflow of blood?**

1 point

🟢 Valves
Ⓑ Aorta
Ⓒ Ventricles
Ⓓ Septum

100 **What is the main purpose of bioremediation?**

1 point

🟢 Cleaning up environmental pollutants
Ⓑ Building robots
Ⓒ Exploring space
Ⓓ Creating video games

101 **What is the primary function of the red blood cells?**

1 point

🟢 To carry oxygen
Ⓑ To produce hormones
Ⓒ To clot blood
Ⓓ To fight infections

102 **What is an ecosystem?**

1 point

🟢 A community of living organisms interacting with the nonliving components of their environment
Ⓑ A form of government
Ⓒ A type of weather pattern

(D) A group of stars and planets

103 Which severe weather event is often associated with the formation of a funnel cloud?

1 point

(A) Blizzard
● Tornado
(C) Hurricane
(D) Flood

104 Which gas is most responsible for the greenhouse effect?

1 point

(A) Nitrogen
(B) Oxygen
(C) Argon
● Carbon dioxide

105 Who was one of the first to propose that the Earth is spherical?

1 point

(A) Isaac Newton
(B) Galileo Galilei
● Pythagoras
(D) Albert Einstein

106 What occurs at a subduction zone?

1 point

(A) Two plates move apart
● One plate is forced below another
(C) Two plates collide and form mountains
(D) One plate slides past another

107 What type of pollution is caused by excessive nutrients in water bodies?

1 point

● Eutrophication
(B) Thermal pollution
(C) Air pollution
(D) Noise pollution

108 What is the Earth's largest ocean?

1 point

(A) Indian Ocean
● Pacific Ocean
(C) Arctic Ocean
(D) Atlantic Ocean

109 Which process is primarily responsible for the formation of sedimentary rocks?

1 point

(A) Cooling
● Erosion and Deposition
(C) Metamorphism
(D) Melting

110 Which severe weather event is known for causing widespread destruction due to high winds and heavy rain?

1 point

(A) Drought
● Hurricane
(C) Tornado
(D) Blizzard