

# GED Full-Length Practice Test - Complete Simulation #7

DATE

## PERSONAL INFORMATION

FIRST NAME

LAST NAME

EMAIL

**1** John needs to ride his bike 20 miles to his sister's house. He rides at an average rate of 5 miles per hour. He has 4 hours to get there. Can he make it on time?

1 point

- (A) Yes, he can make it on time.  (B) He will be late by 1 hour.  
 (C) He will be late by 2 hours.  (D) No, he cannot make it on time.

**2** What is the value of  $y$  when  $x = 1$  in the equation  $y = 2x + 3$ ?

1 point

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

**3** A rectangle has dimensions of 7 inches by  $5 \frac{1}{2}$  inches. Its area is

1 point

- (A) 30 square inches  (B) 32.5 square inches  
 (C) 35 square inches  (D) 38.5 square inches

**4** The formula to convert kilometers to miles is  $\text{miles} = \text{km} / 1.60934$ . What is miles if  $\text{km} = 1$ ?

1 point

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

**5** The formula to convert miles to kilometers is  $\text{km} = \text{miles} * 1.60934$ . What is km if miles = 1?

1 point

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

**6** The decimal equivalent of 75%, to the nearest tenth, is [.....]

1 point

- (A) 0.6
- (C) 0.7

- (B) 0.75
- (D) 0.8

**7** If you flip a fair coin 500 times, how many tails would you expect to get?

1 point

- (A) 250
- (C) 400

- (B) 300
- (D) 500

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

1 point

- (A)  $y = 4x - 5$
- (C)  $y = 4x + 1$

- (B)  $y = 4x - 1$
- (D)  $y = 4x + 3$

**9** The formula to convert inches to centimeters is  $\text{cm} = \text{inches} * 2.54$ . What is cm if inches = 1?

1 point

- (A) 2.54
- (C) 1

- (B) 0.393701
- (D) 10

**10** Solve for x:  $x + 3 = 11$

1 point

- (A) 10
- (C) 7

- (B) 9
- (D) 8

**11** How long must a ladder be if it is 14 feet high on the wall of a building and the foot of the ladder is 8 feet from the building?

1 point

- (A) 18 feet
- (C) 17 feet

- (B) 16 feet
- (D) 15 feet

**12** A rectangle has dimensions of 11 inches by  $4\frac{1}{2}$  inches. Its area is

1 point

- (A) 49.5 square inches
- (C) 50 square inches

- (B) 45 square inches
- (D) 42.5 square inches

**13** Given that a line through point (1,3) has slope 3, what is the equation of the line?

1 point

- (A)  $y = 3x + 1$
- (C)  $y = 3x$

- (B)  $y = 3x - 1$
- (D)  $y = 1 + 3x$

**14** A rectangle has dimensions of 4 inches by  $2\frac{1}{2}$  inches.

Its area is

1 point

- (A) 9 inches

- (B) 13 square inches

Ⓒ  $6\frac{1}{2}$  inches

Ⓓ  $4\frac{1}{2}$  square inches

15 If  $2x + 3y = 11$  and  $x - y = 3$ , what is the value of  $y$ ?

1 point

Ⓐ  $y = 3$

Ⓑ  $y = 2$

Ⓒ  $y = 5$

Ⓓ  $y = 4$

16 A boat leaves the dock and travels at an average speed of 30 miles per hour. On average, how many miles per minute will the boat be traveling?

1 point

Ⓐ 0.5 miles per minute

Ⓑ 0.25 miles per minute

Ⓒ 1 mile per minute

Ⓓ 0.75 miles per minute

17 A store has a sale of 25% off the list price of everything. Mark buys a watch listed at \$200 and a wallet listed at \$50. If there is a 8% sales tax on the purchase, what is the total bill?

1 point

Ⓐ \$202.50

Ⓑ \$210.60

Ⓒ \$207.00

Ⓓ \$195.50

18 A car leaves the city and travels at an average speed of 60 miles per hour. On average, how many miles per minute will the car be traveling?

1 point

Ⓐ 1 mile per minute

Ⓑ 0.75 miles per minute

Ⓒ 0.5 miles per minute

Ⓓ 2 miles per minute

19 How long must a ladder be if it is 25 feet high on the wall of a building and the foot of the ladder is 15 feet from the building?

1 point

Ⓐ 30 feet

Ⓑ 27 feet

Ⓒ 28 feet

Ⓓ 29 feet

20 Every correct answer on a standardized test is worth 1 points, but every incorrect answer is scored as 0.9 points. Blanks are scored as 0. There are 10 questions on the test. The difference between the highest and lowest possible scores on this test is

$\left\{ \begin{array}{l} \text{more than} \\ \text{less than} \\ \text{equal to} \end{array} \right.$

100 points

Ⓐ more than

Ⓑ less than

Ⓒ equal to

21 A motorcycle leaves the garage and travels at an average speed of 75 miles per hour. On average, how many miles per minute will the motorcycle be traveling?

1 point

Ⓐ 1.5 miles per minute

Ⓑ 1.25 miles per minute

Ⓒ 2 miles per minute

Ⓓ 1 mile per minute

**22** If  $x - 7(x + 3) = 2$ , what is  $x$ ?

1 point

Ⓐ -5

Ⓑ 4

Ⓒ 5

Ⓓ -4

**23** A plane leaves the airport and travels at an average speed of 600 miles per hour. On average, how many miles per minute will the plane be traveling?

1 point

Ⓐ 8 miles per minute

Ⓑ 10 miles per minute

Ⓒ 7 miles per minute

Ⓓ 6 miles per minute

**24** If  $x - 4(x + 3) = 2$ , what is  $x$ ?

1 point

Ⓐ -3

Ⓑ -2

Ⓒ 3

Ⓓ 2

**25** Consider two equations  $y = 7x + 2$  and  $y = -6x + 3$ . 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

Ⓐ Equal to each other

Ⓑ Zero

Ⓒ Undefined

Ⓓ Different from each other

**26** Nobody has seen \_\_\_\_\_ since the meeting last week.

1 point

Ⓐ their

Ⓑ his

Ⓒ her

Ⓓ its

**27** The author finished writing the book and then published it. What does the pronoun 'it' refer to?

1 point

Ⓐ Published

Ⓑ Author

Ⓒ Finished

Ⓓ Book

**28** What is the coordinating conjunction in the following sentence: 'I wanted to go to the movies, but it was too late.'?

1 point

Ⓐ late

Ⓑ to

Ⓒ wanted

Ⓓ but

**29** Identify the type of conjunction in the following sentence: I will go to the store, but I will not buy anything.

1 point

Ⓐ Coordinating conjunction

Ⓑ Correlative conjunction

Ⓒ Subordinating conjunction

Ⓓ Conjunctive adverb

30 Neither of the girls had finished \_\_\_\_\_ homework before the party.

1 point

- A his  B its  
 C their  D her

31 The gift is for \_\_\_ and Tom.

1 point

- A She  B Hers  
 C Herself  D Her

32 Which sentence uses correct punctuation?

1 point

- A The concert was amazing however I wish it was longer.  
 B The concert was amazing, however, I wish it was longer.  
 C The concert was amazing however, I wish it was longer.  
 D The concert was amazing, however I wish it was longer.

33 The team captain is responsible for \_\_\_\_\_ team's performance.

1 point

- A her  B his  
 C its  D their

34 Which conjunction is used in a compound sentence?

1 point

- A Because  B Although  
 C When  D And

35 Which sentence correctly uses a semicolon?

1 point

- A They went shopping; to buy groceries.  
 B He went to the gym; and then to the park.  
 C I have a cat; and a dog.  
 D She baked a cake; for her friend's birthday.

36 Which sentence uses correct parallel structure?

1 point

- A They were laughing, joking, and play video games.  
 B We like to travel, hiking, and camping.  
 C He enjoys to cook, bake, and gardening.  
 D She is running, swimming, and to ride a bike.

37 Identify the prepositional phrase in the following sentence: She walked to the park with her friends.

1 point

- A She walked  B The park with  
 C With her friends  D To the park

**38 Which sentence demonstrates correct usage of 'complement'?**

1 point

- (A) His comments were a complement to the discussion.
- (B) She received many complements on her performance.
- (C) The colors complement each other well.
- (D) The new software is a great complement for the system.

**39 \_\_\_\_\_ and Jane will be joining us for dinner.**

1 point

- (A) Him
- (B) Himself
- (C) His
- (D) He

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

1 point

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

**41 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.

**42 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.

**43 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.

**44 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.

- Ⓒ 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

**45** The group of friends \_\_\_\_\_ going to the movies tonight.

1 point

- Ⓐ have
- Ⓑ were
- Ⓒ is
- Ⓓ are

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

1 point

- Ⓐ She is singing, dancing, and to play the violin.
- Ⓑ They are laughing, joking, and have fun.
- Ⓒ He is working, hardly, and to finish the project.
- Ⓓ The birds are chirping, flying, and building nests.

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

1 point

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

**48** Which sentence correctly uses 'precede'?

1 point

- Ⓐ He decided to proceed with the project.
- Ⓑ The precede of the ceremony was impressive.
- Ⓒ The event will proceed as planned.
- Ⓓ The introduction will precede the main presentation.

**49** Either the red dress or the blue one \_\_\_\_\_ suitable for the occasion.

1 point

- Ⓐ were
- Ⓑ is
- Ⓒ was
- Ⓓ are

**50** The book belongs to \_\_\_\_\_.

1 point

- Ⓐ our
- Ⓑ my
- Ⓒ their
- Ⓓ its

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

1 point

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

**52** Which amendment reserves powers to the states or the people?

1 point

- Ⓐ Eleventh Amendment
- Ⓑ Tenth Amendment

Ⓒ Ninth Amendment

Ⓓ Eighth Amendment

**53 Which colony was originally founded by the Dutch and later taken over by the English?**

1 point

Ⓐ Virginia

Ⓑ Georgia

Ⓒ New York

Ⓓ Maryland

**54 Which Founding Father was the first Secretary of the Treasury?**

1 point

Ⓐ Thomas Jefferson

Ⓑ John Adams

Ⓒ Alexander Hamilton

Ⓓ Benjamin Franklin

**55 Which amendment was ratified in 1870?**

1 point

Ⓐ 14th Amendment

Ⓑ 13th Amendment

Ⓒ 18th Amendment

Ⓓ 15th Amendment

**56 Which amendment protects against self-incrimination and double jeopardy?**

1 point

Ⓐ Sixth Amendment

Ⓑ Eighth Amendment

Ⓒ Fifth Amendment

Ⓓ Seventh Amendment

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

1 point

Ⓐ Fifth Amendment

Ⓑ Seventh Amendment

Ⓒ Eighth Amendment

Ⓓ Sixth Amendment

**58 Which Union general is known for his 'March to the Sea'?**

1 point

Ⓐ William T. Sherman

Ⓑ George McClellan

Ⓒ Philip Sheridan

Ⓓ Ulysses S. Grant

**59 Where did General Robert E. Lee surrender to General Ulysses S. Grant?**

1 point

Ⓐ Richmond, Virginia

Ⓑ Gettysburg, Pennsylvania

Ⓒ Atlanta, Georgia

Ⓓ Appomattox Court House, Virginia

**60 What does the term 'globalization' refer to in economic geography?**

1 point

Ⓐ Cultural isolation

Ⓑ Worldwide integration of economies

Ⓒ Regional weather changes

Ⓓ Local economic practices

**61 Which term refers to the mutual respect and coexistence of diverse cultures within a society?**

1 point

Ⓐ Cultural pluralism

Ⓑ Cultural imperialism

Ⓒ Cultural assimilation

Ⓓ Cultural isolation

**62 Which ancient trade route connected China to the Mediterranean?**

1 point

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

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

1 point

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

**64 What is the term for the excessive use of groundwater leading to depletion?**

1 point

- (A) Desertification
- (B) Water logging
- (C) Aquifer exhaustion
- (D) Eutrophication

**65 What landform is created by the erosion and weathering of rock, resulting in a flat or gently sloping surface?**

1 point

- (A) Mountain
- (B) Plain
- (C) Plateau
- (D) Valley

**66 What is an industrial zone primarily used for?**

1 point

- (A) Manufacturing and production
- (B) Residential housing
- (C) Agricultural activities
- (D) Retail shopping

**67 Which type of business is most likely to be found in an industrial zone?**

1 point

- (A) Clothing store
- (B) Farm
- (C) Factory
- (D) Restaurant

**68 What does the term 'BRICS' stand for in the context of emerging economies?**

1 point

- (A) Brazil, Russia, India, China, South Africa
- (B) Bangladesh, Rwanda, Indonesia, Chile, Sweden
- (C) Belgium, Romania, Italy, Canada, Spain
- (D) Bolivia, Russia, Ireland, Colombia, Singapore

**69 What is the benefit of having an emergency fund?**

1 point

- (A) To invest in stocks
- (B) To cover unexpected expenses
- (C) To save for retirement
- (D) To pay off credit card debt

**70 Which concept involves influencing another country's policies through economic means?**

1 point

- (A) Cultural diplomacy
- (B) Economic sanctions
- (C) Military occupation
- (D) Humanitarian aid

**71 Which indicator is used to measure the rate at which prices for goods and services rise?**

1 point

- (A) Gross Domestic Product (GDP)
- (B) Inflation Rate
- (C) Consumer Confidence Index
- (D) Unemployment Rate

**72 Which of the following is an example of a social factor influencing consumer behaviour?**

1 point

- (A) Family
- (B) Perception
- (C) Income
- (D) Occupation

**73 What does APR stand for?**

1 point

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

**74 What is a stock?**

1 point

- (A) A savings account
- (B) A credit card
- (C) A type of loan
- (D) A share of ownership in a company

**75 Which of the following is considered a fixed expense?**

1 point

- (A) Utility bills
- (B) Entertainment
- (C) Groceries
- (D) Rent

**76 How many branches does the federal government have?**

1 point

- (A) Three
- (B) Four
- (C) Two
- (D) Five

**77 Which amendment prohibits excessive bail, excessive fines, and cruel and unusual punishments?**

1 point

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

**78 Who is the presiding officer of the House of Representatives?**

1 point

- (A) The Speaker of the House
- (B) The Chief Justice
- (C) The Vice President
- (D) The President

**79 Which Supreme Court case reinforced the supremacy of federal law over state law?**

1 point

- (A) Roe v. Wade
- (B) McCulloch v. Maryland
- (C) Brown v. Board of Education
- (D) Plessy v. Ferguson

**80 Which amendment protects citizens from unreasonable searches and seizures?**

1 point

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

**81 Which clause in the U.S. Constitution allows Congress to pass laws necessary and proper for carrying out its powers?**

1 point

- A Necessary and Proper Clause
- B Equal Protection Clause
- C Commerce Clause
- D Supremacy Clause

**82 Which amendment gave Congress the power to levy an income tax?**

1 point

- A Twenty-sixth Amendment
- B Nineteenth Amendment
- C Sixteenth Amendment
- D Twenty-first Amendment

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

1 point

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

**84 Which of the following is an example of non-contact force?**

1 point

- A Tension force
- B Frictional force
- C Normal force
- D Gravitational force

**85 Which of the following is a characteristic property of diamond?**

1 point

- A It is transparent
- B It is magnetic
- C It is soluble in water
- D It is soft

**86 What is the main disadvantage of fossil fuels?**

1 point

- A Low energy output
- B Environmental impact
- C High cost
- D Limited availability

**87 Which state of matter has particles that are close together but can move past each other?**

1 point

- A Plasma
- B Solid
- C Gas
- D Liquid

**88 Which electromagnetic waves are used for night vision technology?**

1 point

- A Infrared
- B Ultraviolet rays
- C Radio waves
- D Gamma rays

**89 Which of the following is a characteristic property of gold?**

1 point

- (A) It melts at 0°C
- (B) It is yellow in color
- (C) It is transparent
- (D) It is magnetic

**90 What is the main difference between ultraviolet rays and visible light?**

1 point

- (A) Ultraviolet rays have shorter wavelengths
- (B) Ultraviolet rays are slower
- (C) Ultraviolet rays have longer wavelengths
- (D) Ultraviolet rays are faster

**91 What is the period of a wave?**

1 point

- (A) The distance between two consecutive crests
- (B) The time it takes for one wave to pass a point
- (C) The height of the wave
- (D) The number of waves passing a point per second

**92 What is the term for the minimum energy required for a chemical reaction to occur?**

1 point

- (A) Activation energy
- (B) Kinetic energy
- (C) Thermal energy
- (D) Potential energy

**93 What is the process by which organisms change over time through changes in heritable physical or behavioral traits?**

1 point

- (A) Mutation
- (B) Evolution
- (C) Adaptation
- (D) Natural Selection

**94 Which process is primarily responsible for creating genetic variation during meiosis?**

1 point

- (A) Transcription
- (B) Translation
- (C) Crossing over
- (D) Mutation

**95 Which type of genetic variation involves differences in the number of copies of a particular gene?**

1 point

- (A) Single nucleotide polymorphisms
- (B) Copy number variations
- (C) Epigenetic modifications
- (D) Microsatellites

**96 What is the main role of the Golgi apparatus in the cell?**

1 point

- (A) Protein modification and sorting
- (B) DNA synthesis
- (C) Energy production
- (D) Cell division

**97 What is the likelihood of a child inheriting a recessive trait if both parents are carriers?**

1 point

- (A) 75%
- (B) 25%

Ⓒ 0%

Ⓓ 50%

**98 What is the term for the movement of genes between populations?**

1 point

- Ⓐ Mutation  
Ⓑ Genetic Drift  
Ⓒ Natural Selection  
Ⓓ Gene Flow

**99 What is the name of Darwin's famous book on evolution?**

1 point

- Ⓐ The Evolution of Life  
Ⓑ The Descent of Man  
Ⓒ The Principles of Biology  
Ⓓ The Origin of Species

**100 What is one of the main tenets of the cell theory?**

1 point

- Ⓐ Cells do not carry genetic information  
Ⓑ All living organisms are composed of one or more cells  
Ⓒ Cells are formed by chemical reactions  
Ⓓ Cells can spontaneously generate

**101 Which term refers to the physical appearance of an organism resulting from its genetic makeup?**

1 point

- Ⓐ Genome  
Ⓑ Phenotype  
Ⓒ Karyotype  
Ⓓ Genotype

**102 What causes the formation of the jet streams?**

1 point

- Ⓐ Temperature differences between air masses  
Ⓑ Ocean currents  
Ⓒ Solar flares  
Ⓓ Mountain ranges

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

1 point

- Ⓐ Drought  
Ⓑ Hurricane  
Ⓒ Tornado  
Ⓓ Blizzard

**104 What is the main contributor to the loss of biodiversity?**

1 point

- Ⓐ Invasive species  
Ⓑ Habitat destruction  
Ⓒ Climate change  
Ⓓ Pollution

**105 What is the primary pollutant responsible for acid rain?**

1 point

- Ⓐ Nitrogen  
Ⓑ Carbon dioxide  
Ⓒ Sulfur dioxide  
Ⓓ Methane

**106** Which severe weather phenomenon involves a sudden and violent increase in water levels?

1 point

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

**107** What is the main component of smog?

1 point

- A Ozone
- B Carbon dioxide
- C Methane
- D Nitrous oxide

**108** Which type of pollution is most commonly associated with agricultural activities?

1 point

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

**109** Which planet has the fastest winds in the solar system?

1 point

- A Neptune
- B Jupiter
- C Earth
- D Saturn

**110** What is the primary driving force behind plate tectonics?

1 point

- A Mantle convection
- B Solar radiation
- C Gravitational pull of the moon
- D Ocean currents

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EMAIL

**1** John needs to ride his bike 20 miles to his sister's house. He rides at an average rate of 5 miles per hour. He has 4 hours to get there. Can he make it on time?

1 point

- A Yes, he can make it on time.  B He will be late by 1 hour.  
 C He will be late by 2 hours.  D No, he cannot make it on time.

**2** What is the value of  $y$  when  $x = 1$  in the equation  $y = 2x + 3$ ?

1 point

- A 5  B 2  
 C 3  D 4

**3** A rectangle has dimensions of 7 inches by  $5\frac{1}{2}$  inches. Its area is

1 point

- A 30 square inches  B 32.5 square inches  
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**4** The formula to convert kilometers to miles is  $\text{miles} = \text{km} / 1.60934$ . What is miles if  $\text{km} = 1$ ?

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- A 1.60934  B 2.54  
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- B 0.75  
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7 If you flip a fair coin 500 times, how many tails would you expect to get?

1 point

- A 250  
 C 400

- B 300  
 D 500

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

1 point

- A  $y = 4x - 5$   
 C  $y = 4x + 1$

- B  $y = 4x - 1$   
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 C 1

- B 0.393701  
 D 10

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1 point

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 C 7

- B 9  
 D 8

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1 point

- A 18 feet  
 C 17 feet

- B 16 feet  
 D 15 feet

12 A rectangle has dimensions of 11 inches by  $4\frac{1}{2}$  inches. Its area is

1 point

- A 49.5 square inches  
 C 50 square inches

- B 45 square inches  
 D 42.5 square inches

13 Given that a line through point (1,3) has slope 3, what is the equation of the line?

1 point

- A  $y = 3x + 1$   
 C  $y = 3x$

- B  $y = 3x - 1$   
 D  $y = 1 + 3x$

14 A rectangle has dimensions of 4 inches by  $2\frac{1}{2}$  inches.

Its area is

1 point

- A 9 inches

- C 13 square inches

Ⓒ  $6\frac{1}{2}$  inches

Ⓓ  $4\frac{1}{2}$  square inches

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1 point

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Ⓑ  $y = 2$

Ⓒ  $y = 5$

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Ⓑ 0.25 miles per minute

Ⓒ 1 mile per minute

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Ⓒ \$207.00

Ⓓ \$195.50

18 A car leaves the city and travels at an average speed of 60 miles per hour. On average, how many miles per minute will the car be traveling?

1 point

Ⓐ 1 mile per minute

Ⓑ 0.75 miles per minute

Ⓒ 0.5 miles per minute

Ⓓ 2 miles per minute

19 How long must a ladder be if it is 25 feet high on the wall of a building and the foot of the ladder is 15 feet from the building?

1 point

Ⓐ 30 feet

Ⓑ 27 feet

Ⓒ 28 feet

Ⓓ 29 feet

20 Every correct answer on a standardized test is worth 1 points, but every incorrect answer is scored as 0.9 points. Blanks are scored as 0. There are 10 questions on the test. The difference between the highest and lowest possible scores on this test is

$\left\{ \begin{array}{l} \text{more than} \\ \text{less than} \\ \text{equal to} \end{array} \right.$

100 points

Ⓐ more than

Ⓑ less than

Ⓒ equal to

21 A motorcycle leaves the garage and travels at an average speed of 75 miles per hour. On average, how many miles per minute will the motorcycle be traveling?

1 point

Ⓐ 1.5 miles per minute

Ⓑ 1.25 miles per minute

Ⓒ 2 miles per minute

Ⓓ 1 mile per minute

22 If  $x - 7(x + 3) = 2$ , what is  $x$ ?

1 point

A -5

B 4

C 5

D -4

23 A plane leaves the airport and travels at an average speed of 600 miles per hour. On average, how many miles per minute will the plane be traveling?

1 point

A 8 miles per minute

B 10 miles per minute

C 7 miles per minute

D 6 miles per minute

24 If  $x - 4(x + 3) = 2$ , what is  $x$ ?

1 point

A -3

B -2

C 3

D 2

25 Consider two equations  $y = 7x + 2$  and  $y = -6x + 3$ . 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

A Equal to each other

B Zero

C Undefined

D Different from each other

26 Nobody has seen \_\_\_\_\_ since the meeting last week.

1 point

A their

B his

C her

D its

27 The author finished writing the book and then published it. What does the pronoun 'it' refer to?

1 point

A Published

B Author

C Finished

D Book

28 What is the coordinating conjunction in the following sentence: 'I wanted to go to the movies, but it was too late.'?

1 point

A late

B to

C wanted

D but

29 Identify the type of conjunction in the following sentence: I will go to the store, but I will not buy anything.

1 point

A Coordinating conjunction

B Correlative conjunction

C Subordinating conjunction

D Conjunctive adverb

30 Neither of the girls had finished \_\_\_\_\_ homework before the party.

1 point

- A his  B its  
 C their  D her

31 The gift is for \_\_\_ and Tom.

1 point

- A She  B Hers  
 C Herself  D Her

32 Which sentence uses correct punctuation?

1 point

- A The concert was amazing however I wish it was longer.  
 B The concert was amazing, however, I wish it was longer.  
 C The concert was amazing however, I wish it was longer.  
 D The concert was amazing, however I wish it was longer.

33 The team captain is responsible for \_\_\_\_\_ team's performance.

1 point

- A her  B his  
 C its  D their

34 Which conjunction is used in a compound sentence?

1 point

- A Because  B Although  
 C When  D And

35 Which sentence correctly uses a semicolon?

1 point

- A They went shopping; to buy groceries.  
 B He went to the gym; and then to the park.  
 C I have a cat; and a dog.  
 D She baked a cake; for her friend's birthday.

36 Which sentence uses correct parallel structure?

1 point

- A They were laughing, joking, and play video games.  
 B We like to travel, hiking, and camping.  
 C He enjoys to cook, bake, and gardening.  
 D She is running, swimming, and to ride a bike.

37 Identify the prepositional phrase in the following sentence: She walked to the park with her friends.

1 point

- A She walked  B The park with  
 C With her friends  D To the park

**38 Which sentence demonstrates correct usage of 'complement'?**

1 point

- A His comments were a complement to the discussion.
- B She received many complements on her performance.
- C The colors complement each other well.
- D The new software is a great complement for the system.

**39 \_\_\_\_\_ and Jane will be joining us for dinner.**

1 point

- A Him
- B Himself
- C His
- D He

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

1 point

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

**41 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.

**42 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.

**43 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.

**44 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.
- 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

45 The group of friends \_\_\_\_\_ going to the movies tonight.

1 point

- have
- is
- were
- are

46 Which sentence uses correct parallel structure?

1 point

- She is singing, dancing, and to play the violin.
- They are laughing, joking, and have fun.
- He is working, hardly, and to finish the project.
- The birds are chirping, flying, and building nests.

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

1 point

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

48 Which sentence correctly uses 'precede'?

1 point

- He decided to proceed with the project.
- The precede of the ceremony was impressive.
- The event will proceed as planned.
- The introduction will precede the main presentation.

49 Either the red dress or the blue one \_\_\_\_\_ suitable for the occasion.

1 point

- were
- was
- is
- are

50 The book belongs to \_\_\_\_\_.

1 point

- our
- their
- my
- its

51 Who led the rebellion in Virginia in 1676 against the colonial government?

1 point

- Thomas Hooker
- William Berkeley
- Nathaniel Bacon
- John Smith

**52 Which amendment reserves powers to the states or the people?**

1 point

- A Eleventh Amendment  B Tenth Amendment  
 C Ninth Amendment  D Eighth Amendment

**53 Which colony was originally founded by the Dutch and later taken over by the English?**

1 point

- A Virginia  B Georgia  
 C New York  D Maryland

**54 Which Founding Father was the first Secretary of the Treasury?**

1 point

- A Thomas Jefferson  B John Adams  
 C Alexander Hamilton  D Benjamin Franklin

**55 Which amendment was ratified in 1870?**

1 point

- A 14th Amendment  B 13th Amendment  
 C 18th Amendment  D 15th Amendment

**56 Which amendment protects against self-incrimination and double jeopardy?**

1 point

- A Sixth Amendment  B Eighth Amendment  
 C Fifth Amendment  D Seventh Amendment

**57 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

**58 Which Union general is known for his 'March to the Sea'?**

1 point

- A William T. Sherman  B George McClellan  
 C Philip Sheridan  D Ulysses S. Grant

**59 Where did General Robert E. Lee surrender to General Ulysses S. Grant?**

1 point

- A Richmond, Virginia  B Gettysburg, Pennsylvania  
 C Atlanta, Georgia  D Appomattox Court House, Virginia

**60 What does the term 'globalization' refer to in economic geography?**

1 point

- A Cultural isolation  B Worldwide integration of economies  
 C Regional weather changes  D Local economic practices

**61 Which term refers to the mutual respect and coexistence of diverse cultures within a society?**

1 point

- Cultural pluralism  
 Cultural imperialism  
 Cultural assimilation  
 Cultural isolation

**62 Which ancient trade route connected China to the Mediterranean?**

1 point

- Incense Route  
 Royal Road  
 Amber Road  
 Silk Road

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

1 point

- Homogeneity  
 Assimilation  
 Multiculturalism  
 Ethnocentrism

**64 What is the term for the excessive use of groundwater leading to depletion?**

1 point

- Desertification  
 Water logging  
 Aquifer exhaustion  
 Eutrophication

**65 What landform is created by the erosion and weathering of rock, resulting in a flat or gently sloping surface?**

1 point

- Mountain  
 Plain  
 Plateau  
 Valley

**66 What is an industrial zone primarily used for?**

1 point

- Manufacturing and production  
 Residential housing  
 Agricultural activities  
 Retail shopping

**67 Which type of business is most likely to be found in an industrial zone?**

1 point

- Clothing store  
 Farm  
 Factory  
 Restaurant

**68 What does the term 'BRICS' stand for in the context of emerging economies?**

1 point

- Brazil, Russia, India, China, South Africa  
 Bangladesh, Rwanda, Indonesia, Chile, Sweden  
 Belgium, Romania, Italy, Canada, Spain  
 Bolivia, Russia, Ireland, Colombia, Singapore

**69 What is the benefit of having an emergency fund?**

1 point

- To invest in stocks  
 To cover unexpected expenses  
 To save for retirement  
 To pay off credit card debt

**70 Which concept involves influencing another country's policies through economic means?**

1 point

- (A) Cultural diplomacy  (B) Economic sanctions  
 (C) Military occupation  (D) Humanitarian aid

**71 Which indicator is used to measure the rate at which prices for goods and services rise?**

1 point

- (A) Gross Domestic Product (GDP)  (B) Inflation Rate  
 (C) Consumer Confidence Index  (D) Unemployment Rate

**72 Which of the following is an example of a social factor influencing consumer behaviour?**

1 point

- (A) Family  (B) Perception  
 (C) Income  (D) Occupation

**73 What does APR stand for?**

1 point

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

**74 What is a stock?**

1 point

- (A) A savings account  (B) A credit card  
 (C) A type of loan  (D) A share of ownership in a company

**75 Which of the following is considered a fixed expense?**

1 point

- (A) Utility bills  (B) Entertainment  
 (C) Groceries  (D) Rent

**76 How many branches does the federal government have?**

1 point

- (A) Three  (B) Four  
 (C) Two  (D) Five

**77 Which amendment prohibits excessive bail, excessive fines, and cruel and unusual punishments?**

1 point

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

**78 Who is the presiding officer of the House of Representatives?**

1 point

- (A) The Speaker of the House  (B) The Chief Justice  
 (C) The Vice President  (D) The President

79 Which Supreme Court case reinforced the supremacy of federal law over state law?

1 point

- A Roe v. Wade  B McCulloch v. Maryland  
 C Brown v. Board of Education  D Plessy v. Ferguson

80 Which amendment protects citizens from unreasonable searches and seizures?

1 point

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

81 Which clause in the U.S. Constitution allows Congress to pass laws necessary and proper for carrying out its powers?

1 point

- A Necessary and Proper Clause  B Equal Protection Clause  
 C Commerce Clause  D Supremacy Clause

82 Which amendment gave Congress the power to levy an income tax?

1 point

- A Twenty-sixth Amendment  B Nineteenth Amendment  
 C Sixteenth Amendment  D Twenty-first Amendment

83 Which document outlines the structure of the federal government?

1 point

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

84 Which of the following is an example of non-contact force?

1 point

- A Tension force  B Frictional force  
 C Normal force  D Gravitational force

85 Which of the following is a characteristic property of diamond?

1 point

- A It is transparent  B It is magnetic  
 C It is soluble in water  D It is soft

86 What is the main disadvantage of fossil fuels?

1 point

- A Low energy output  B Environmental impact  
 C High cost  D Limited availability

87 Which state of matter has particles that are close together but can move past each other?

1 point

- A Plasma  B Solid  
 C Gas  D Liquid

88 Which electromagnetic waves are used for night vision technology?

1 point

- A Infrared  
 B Ultraviolet rays  
 C Radio waves  
 D Gamma rays

89 Which of the following is a characteristic property of gold?

1 point

- A It melts at 0°C  
 B It is yellow in color  
 C It is transparent  
 D It is magnetic

90 What is the main difference between ultraviolet rays and visible light?

1 point

- A Ultraviolet rays have shorter wavelengths  
 B Ultraviolet rays are slower  
 C Ultraviolet rays have longer wavelengths  
 D Ultraviolet rays are faster

91 What is the period of a wave?

1 point

- A The distance between two consecutive crests  
 B The time it takes for one wave to pass a point  
 C The height of the wave  
 D The number of waves passing a point per second

92 What is the term for the minimum energy required for a chemical reaction to occur?

1 point

- A Activation energy  
 B Kinetic energy  
 C Thermal energy  
 D Potential energy

93 What is the process by which organisms change over time through changes in heritable physical or behavioral traits?

1 point

- A Mutation  
 B Evolution  
 C Adaptation  
 D Natural Selection

94 Which process is primarily responsible for creating genetic variation during meiosis?

1 point

- A Transcription  
 B Crossing over  
 C Translation  
 D Mutation

95 Which type of genetic variation involves differences in the number of copies of a particular gene?

1 point

- A Single nucleotide polymorphisms  
 B Copy number variations  
 C Epigenetic modifications  
 D Microsatellites

96 What is the main role of the Golgi apparatus in the cell?

1 point

- A Protein modification and sorting  
 B DNA synthesis  
 C Energy production  
 D Cell division

97 What is the likelihood of a child inheriting a recessive trait if both parents are carriers?

1 point

- A 75%  
 B 25%  
 C 0%  
 D 50%

98 What is the term for the movement of genes between populations?

1 point

- A Mutation  
 B Genetic Drift  
 C Natural Selection  
 D Gene Flow

99 What is the name of Darwin's famous book on evolution?

1 point

- A The Evolution of Life  
 B The Descent of Man  
 C The Principles of Biology  
 D The Origin of Species

100 What is one of the main tenets of the cell theory?

1 point

- A Cells do not carry genetic information  
 B All living organisms are composed of one or more cells  
 C Cells are formed by chemical reactions  
 D Cells can spontaneously generate

101 Which term refers to the physical appearance of an organism resulting from its genetic makeup?

1 point

- A Genome  
 B Phenotype  
 C Karyotype  
 D Genotype

102 What causes the formation of the jet streams?

1 point

- A Temperature differences between air masses  
 B Ocean currents  
 C Solar flares  
 D Mountain ranges

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

1 point

- A Drought  
 B Hurricane  
 C Tornado  
 D Blizzard

**104** What is the main contributor to the loss of biodiversity?

1 point

- A Invasive species  
 B Habitat destruction  
 C Climate change  
 D Pollution

**105** What is the primary pollutant responsible for acid rain?

1 point

- A Nitrogen  
 B Carbon dioxide  
 C Sulfur dioxide  
 D Methane

**106** Which severe weather phenomenon involves a sudden and violent increase in water levels?

1 point

- A Blizzard  
 B Earthquake  
 C Tornado  
 D Flood

**107** What is the main component of smog?

1 point

- A Ozone  
 B Carbon dioxide  
 C Methane  
 D Nitrous oxide

**108** Which type of pollution is most commonly associated with agricultural activities?

1 point

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

**109** Which planet has the fastest winds in the solar system?

1 point

- A Neptune  
 B Jupiter  
 C Earth  
 D Saturn

**110** What is the primary driving force behind plate tectonics?

1 point

- A Mantle convection  
 B Solar radiation  
 C Gravitational pull of the moon  
 D Ocean currents