



UNIVERSITY OF EDUCATION, WINNEBA
GAT 111-GENERAL APTITUDE TEST
MATURE ENTRANCE EXAMINATION, JAN. 2025

INDEX NUMBER: **TIME ALLOWED: 60 MINUTES**

Instruction: *This paper consists of 60 multiple choice questions. Choose the most appropriate answer from the list of options provided for each question.*

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| <p>1. Which of the following is a non-metal element?
A) Sodium
B) Chlorine
C) Iron
D) Calcium</p> <p>2. Which gas do plants absorb during photosynthesis?
A) Oxygen
B) Carbon dioxide
C) Nitrogen
D) Hydrogen</p> <p>3. What is the process by which plants make their own food using sunlight?
A) Respiration
B) Germination
C) Photosynthesis
D) Transpiration</p> <p>4. Which of the following is a renewable source of energy?
A) Natural gas
B) Solar power
C) Coal
D) Petroleum</p> <p>5. The force acting on a body for a short time are called as:
A) Average force
B) Momentum
C) Impulse
D) Tension</p> <p>6. What is the chemical symbol for gold?
A) Go
B) Gd
C) Au
D) Ag</p> <p>7. What is the SI unit of electric current?
A) Volt
B) Watt
C) Ampere
D) Ohm</p> | <p>8. Which planet is known as the "Red Planet"?
A) Venus
B) Mars
C) Jupiter
D) Saturn</p> <p>9. Which of the following is known as the powerhouse of a cell?
A) Mitochondria
B) Cytoplasm
C) Lysosome
D) Nuclei</p> <p>10. What is the function of the red blood cells in the human body?
A) Transport of oxygen
B) Digestion of food
C) Regulation of body temperature
D) Protection against infection</p> <p>11. What is the largest organ in the human body?
A) Heart
B) Brain
C) Skin
D) Lungs</p> <p>12. What is the chemical formula for water?
A) H₂O
B) CO₂
C) NaCl
D) CH₄</p> <p>13. Which of the following is an example of a renewable source of energy?
A) Coal
B) Natural gas
C) Wind
D) Petroleum</p> <p>14. Which of the following is not a primary color?
A) Red
B) Green
C) Blue
D) Yellow</p> |
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15. Which gas is commonly known as laughing gas?

Oxygen

A) Carbon Dioxide

B) Nitrous Oxide

C) Helium

16. Identify the correct verb form in the sentence:

"She to the store yesterday."

A) go

B) goes

C) went

D) going

17. Which of the following is a synonym for "joy"?

A) Sadness

B) Anger

C) Happiness

D) Fear

18. They

her and trusted her for years.

A) know

B) had known

C) know

D) knew

19. Which figure of speech involves comparing two unlike things using "like" or "as"?

A) Metaphor

B) Simile

C) Hyperbole

D) Personification

20. Which of the following is a type of conjunction?

A) Walk

B) Quickly

C) And

D) Table

21. Which of the following sentences is in the passive voice?

A) She wrote a beautiful song.

B) A beautiful song was written by her.

C) Her beautiful song was writing.

D) She is writing a beautiful song.

22. What is the plural of "mouse"?

A) Mouses

B) Mouse

C) Mice

D) Mices

23. Choose the correct spelling:

A) Necessary

B) Neccessary

C) Necessary

D) Necessarry

24. Identify the correctly punctuated sentence:

A) I can't believe it.

B) I cant believe it.

C) I c'ant believe it.

D) I cant believe' it.

25. What type of sentence is this? "The cat is black".

A) Interrogative

B) Imperative

C) Declarative

D) Exclamatory

26. Personification They built this temple 3,000 years ago. This must a great civilization.

A) not have been

B) was

C) has been

D) have been

27. The Prime Minister will appear

..... television tonight.

A) on

B) in

C) at

D) none of the above

28. What is an antonym for the word "stop"?

A) slow down

B) go

C) eat

D) jump

29. The brave knight waged a VALIANT fight against the enormous dragon. What is an antonym for the word VALIANT?

A) courageous

B) big

C) cowardly

D) fearless

30. The homeless man was DESTITUTE and was forced to beg for food. What is an antonym for the word DESTITUTE?

- A) Clean
- B) Wealthy
- C) Poor
- D) happy

31. Calculate the area of a rectangle with a length of 8 metres and a width of 6 meters.

- A) 42 square metres
- B) 48 square metres
- C) 14 square metres
- D) 30 square metres

32. Solve $3 + 6 \times (5 + 4) \div 3 - 7$.

- A) 11
- B) 16
- C) 14
- D) 15

33. If a triangle has a base of 12 cm and a height of 8 cm, what is its area?

- A) 48 square cm
- B) 64 square cm
- C) 96 square cm
- D) 24 square cm

34. Question: If a triangle has sides of lengths 3, 4, and

5, what type of triangle is it?

- A) Equilateral
- B) Isosceles
- C) Scalene
- D) Trapezium

35. If a square has a side length of 5 cm, what is its perimeter?

- A) 15 cm
- B) 20 cm
- C) 25 cm
- D) 10 cm

36. Simplify the fraction: $13/169$.

- A) $1/13$
- B) $2/4$
- C) $4/8$
- D) $8/16$

37. What is the value of 7 squared?

- A) 14
- B) 21
- C) 49
- D) 56

38. What is the smallest prime number?

- A) 0
- B) 1
- C) 2
- D) 3

39. The two straight lines in the same plane which never meet are called

- A) angles
- B) transversal lines
- C) vertex
- D) parallel lines

40. What is 20% of 150?

- A) 15
- B) 30
- C) 60
- D) 10

41. What is the area of a circle with a radius of 5 units?

- A) 10 square units
- B) 25 square units
- C) 50 square units
- D) 154 square units

42. Which of the following is a prime number?

- A) 1
- B) 8
- C) 17
- D) 25

43. Simplify the expression $2(3x - 4) + 5x$.

- A) $11x - 8$
- B) $11x - 2$
- C) $6x - 8$
- D) $6x - 2$

44. If a square has an area of 36 square units, what is the length of one side?

- A) 6 units
- B) 9 units
- C) 12 units
- D) 18 units

45. Solve the equation: $3x - 7 = 14$.

- A) $x = 7$
- B) $x = 21$
- C) $x = 5$
- D) $x = 8$

46. Who is the current President of Ghana?

- A) Nana Akufo-Addo
- B) John Mahama
- C) Jerry Rawlings
- D) Kwame Nkrumah

47. Which is the longest river in Ghana?

- A) Pra River
- B) Volta River
- C) Densu River
- D) Ankobra River

48. Which Ghanaian festival is known for the display of vibrant kente cloth and the celebration of Ashanti culture?

- A) Homowo
- B) Odwira
- C) Aboakyere
- D) Akwasidae

49. In which year did Ghana gain its independence from British colonial rule?

- A) 1947
- B) 1957
- C) 1967
- D) 1977

50. Which national park in Ghana is known for its diverse wildlife and is a UNESCO World Heritage site?

- A) Kakum National Park
- B) Mole National Park
- C) Bia National Park
- D) Ankasa Conservation Area

51. Who is the first President of Ghana?

- A) Kwame Nkrumah
- B) Jerry Rawlings
- C) John Kufuor
- D) Nana Akufo-Addo

52. What is the name of the highest mountain in Ghana?

- A) Mount Kilimanjaro
- B) Mount Everest
- C) Afadjato
- D) Mount Kenya

53. Which body of water does Ghana have a coastline along?

- A) Indian Ocean
- B) Atlantic Ocean
- C) Mediterranean Sea
- D) Red Sea

54. What is the capital city of Ahafo Region?

- A) Bechem
- B) Goaso
- C) Sunyani
- D) Cape Coast

55. What is the name of the coastal fort in Ghana that played a significant role in the transatlantic slave trade?

- A) Elmina Castle
- B) Cape Coast Castle
- C) Fort Amsterdam
- D) Fort Prinzenstein

56. Ghana is often referred to as the "Gold Coast."

What mineral resource contributed to this nickname?

- A) Gold
- B) Diamonds
- C) Bauxite
- D) Cocoa

57. The Ashanti Empire was a historic and influential kingdom in Ghana. What is the Ashanti people's language?

- A) Ga
- B) Fante
- C) Ewe
- D) Twi

58. What is the most popular sport in Ghana?

- A) Cricket
- B) Rugby
- C) Football
- D) Basketball

59. What is the name of the Ghanaian traditional cloth that is widely recognised and worn by people in Ghana?

- A) Kente
- B) Ankara
- C) Batik
- D) Dashiki

60. Which of the following is a Ghanaian dish?

- A) Sushi
- B) Jollof rice
- C) Tacos
- D) Pizza