



AL-AMEEN OLYMPIAD 2024

CLASS-VI

Full Marks: 100

Time: 3 hours

ENGLISH

Fill in the gaps with the correct article:

1. It's _____ unique story.

- (A) a (B) an (C) the (D) no article needed

Choose the correct form of verb:

2. She ____ to the meeting before I arrived.

- (A) had gone (B) has gone (C) goes (D) will have gone

3. Which part of speech modifies a noun or a pronoun?

- (A) Adverb (B) Preposition (C) Adjective (D) Conjunction

4. Choose the correct comparative form in the sentence:

This test is ____ than the last one.

- (A) more easier (B) easiest (C) more easy (D) easier

5. In the sentence, "He ran quickly to the station," the word "quickly" is a/an:

- (A) Adjective (B) Noun (C) Adverb (D) Verb

6. Which of the following sentences contain an example of a preposition?

- (A) He smiled happily. (B) The river flows into the sea.
(C) He speaks loudly. (D) The students study diligently.

7. Fill in the blanks with the correct tense:

I _____ (see) her at the market yesterday

- (A) have seen (B) had seen (C) saw (D) seen

8. In which of these sentences is article used incorrectly?

- (A) She is a most skilled dancer. (B) He is an honest man.
(C) She bought a car yesterday. (D) The book is on the table.

9. Which one of the following sentences use a demonstrative pronoun correctly?

- (A) She gave me that gift (B) The student did their projects by themselves
(C) This is my favourite book. (D) I will help you with this.

10. Which of the following contains a superlative adjective?

- (A) This is a good book. (B) He is smarter than his brother.
(C) She is the best student in the class. (D) They are happy today.

11. What type of pronoun is 'each' in the sentence?

'Each of the students received a certificate.'

- (A) Personal (B) Reflexive (C) Demonstrative (D) Indefinite

12. Fill in the gap with the correct prepositional phrase:

_____ the rules, you must have a driving license before you can drive a car.

(A) As a result of (B) Due to (C) Owing to (D) According to

13. Identify the conjunction in the following sentence:

Either you come with me, or I'll go alone.

(A) Or (B) Either (C) Either, Or (D) None

14. Which sentence uses the future perfect tense correctly?

(A) By next week, I will have finished the project.

(B) By next week, I will finish the project.

(C) By next week, I have finished the project.

(D) By next week, I will be finishing the project.

15. Which of the following sentences is incorrect?

(A) He is more smarter than his brother.

(B) They are going to the park this afternoon.

(C) I have never seen such a beautiful sunset.

(D) She has travelled to many countries.

16. What is the superlative degree of 'less'?

(A) Most less (B) Lesser (C) Least (D) None

17. What is the past form of the verb 'seek'?

(A) Seeked (B) Seeks (C) Saught (D) Sought

18. Which sentence correctly follows subject-verb agreement?

(A) The dog chase the cat. (B) The dogs chases the cat.

(C) The dog chases the cat. (D) The dogs chases the cats.

19. Identify the correct order of adjectives in the sentence_____

She bought a _____ dress

(A) new beautiful red (B) beautiful red new

(C) red new beautiful (D) beautiful new red

20. Which of these is a reflexive pronoun?

(A) Her (B) Myself (C) We (D) He

21. Identify the imperative sentence:

(A) She is very happy. (B) Do your homework.

(C) Are you okay? (D) That's awesome!

22. Which part of speech modifies a noun?

(A) Adverb (B) Pronoun (C) Adjective (D) Preposition

23. Identify the part of speech for the underlined words in the sentence:

'The happy children played happily in the park.'

(A) Adverb, Adjective, Noun (B) Adjective, Adverb, Noun

(C) Noun, Verb, Adverb (D) Adverb, Noun, Adjective

24. Identify the type of pronoun used in the sentence, 'She gave him the book because he asked for it?'

(A) Demonstrative pronoun (B) Personal pronoun

(C) Indefinite pronoun (D) Reflexive pronoun

25. Identify the type of adjective used in the sentence.

'Where is your cat?'

- (A) Demonstrative Adjective (B) Quantitative Adjective
(C) Possessive Adjective (D) Quantitative Adjective

SOCIAL SCIENCE

26. Which star is nearest to the sun:-

- (A) Sirius (B) Merak (C) Proxima Centauri (D) Epsilon Scorpil

27. Which imaginary line divides earth into Northern and Southern hemisphere?

- (A) Equator (B) Prime Meridian (C) Tropic of Cancer (D) Tropic of Capricorn

28. Prime Meridian is an imaginary line that divides the earth into Eastern and Western Hemisphere and it passes through:-

- (A) New York (B) Delhi (C) Rome (D) London

29. The apparent movement of the sun is due to the earth's:-

- (A) Revolution (B) Rotation (C) Elliptical Orbit D) Inclined axis

30. Earth takes about ____ days to complete one revolution.

- (A) 360 (B) 370 (C) 365 (D) 380

31. The word monsoon has been derived from the Arabic word ____:-

- (A) Mausim (B) Mausum (C) Mauseem (D) Mosim

32. A region of tropical rainforest is:-

- (A) Gujarat (B) Assam (C) Kashmir (D) Madhya Pradesh

33. Kaziranga National Park in Assam is famous for the presence of:-

- (A) Bengal Tiger (B) One Horned Rhino
(C) Black Rhinos (D) Golden Langur

34. In which age, humans knew only how to hunt & gather?

- (A) Mesolithic (B) Neolithic (C) Chalcolithic (D) Paleolithic

35. What is the name of the figure given below recovered during Indus Valley Civilization?



- (A) Dancing Girl (B) Pashupati Seal (C) Mother Goddess (D) The Bearded man

36. Which article of the Indian constitution ensures right to equality?

- (A) Article 14 (B) Article 25 (C) Article 30 (D) Article 32

37. How old is Harappan Civilization?

- (A) About 100 years (B) About 1000 Years
(C) About 4000 years (D) More than 4000 years

38. Which among the following is not a part of the Vedas?

I. Rigveda II. Upanishad III. Yajurveda IV. Atharvaveda

- (A) Only I (B) Only II (C) Only III (D) Only IV

39. Emperor Ashoka introduced a new policy called Dhammavijaya inspired from:-

- (A) Jainism (B) Islam (C) Buddhism (D) Chritianity

40. Statement I- In India, there are 22 major languages.

Statement II- Bharatnatyam is the traditional dance of Tamil Nadu.

- (A) I is true but II is false (B) I is false but II is true
(C) Both are true (D) Both are false

41. Who is the present Chief Minister of Assam?

- (A) Narendra Modi (B) Draupadi Murmu
(C) Himanta Biswa Sharma (D) Rahul Gandhi

42. Name the longest river of the world.

- (A) Nile (B) Brahmaputra (C) Ganga (D) Indus

43. People have the power to govern themselves in a:-

- (A) Democracy (B) Monarchy (C) Dictatorship (D) None of these.

44. Name the capital of Assam.

- (A) Tezpur (B) Dispur (C) Jorhat (D) Silchar

45. Match the following:-

I. Reneweable resource

I. Tiger

II. Non renewable resource

II. Coal

III. Biotic resource

III. Taj Mahal

IV. National resource

IV. Wind

(A) I-II, II-I, III- IV, IV- III

(B) I-IV, II- I, III- II, IV-III

(C) I-IV, II-II, III- I, IV- III

(D) I-I, II-III, III- IV, IV-II

46. In Nyaya Panchayat, the head of the group is called:-

- (A) Panch (B) Guru (C) Pradhan (D) Sarpanch

47. The currency of Bangladesh is:-

- (A) Taka (B) Indian Rupee (C) Dollar (D) Pound

48. Secularism means___:-

- (A) No right to practice religion (B) No right to change religion
(C) No right to propagate religion (D) Equal rights to every religion

49. Which of the following is a form of animal husbandry?

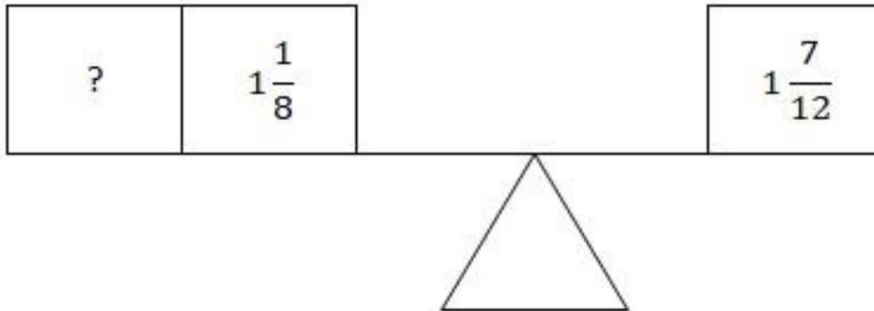
- (A) Fishing (B) Poultry farming
(C) Collecting forest product (D) All of these

50. What percentage of earth's water can be considered as fresh water?

- (A) More than 90% (B) 50 % (C) 1 % (D) Less than 1 %

GENERAL MATHS

51. To balance the scale, find the missing fraction:



- (A) $\frac{11}{24}$ (B) $\frac{10}{24}$ (C) $\frac{5}{24}$ (D) $\frac{1}{24}$

52. The given table shows the temperature of a city for 7 consecutive hours.

Calculate the difference between the highest and the lowest temperature of the city over 7 hours period.

HOUR(S)	1	2	3	4	5	6	7
TEMPERATURE ($^{\circ}\text{C}$)	- 6	15	- 2	23	12	0	- 4

- (A) 17°C (B) 29°C (C) 21°C (D) 25°C

53. Vishal jogged around a rectangular field 4 times. If the field was 135 m long and 78 m wide, then how far did Vishal jog?

- (A) 426 m (B) 825 m (C) 1,278 m (D) 1,704 m

54. Study the statement given below and choose the correct answer.

Statement-1: Numbers having more than two factors are known as composite numbers.

Statement-2: A number for which sum of all the factors is equal to twice the number is called a perfect no.

- (A) Statement-1 is true and Statement-2 is false.
(B) Statement-1 is false and Statement-2 is true.
(C) Both statements are true.
(D) Both statements are false.

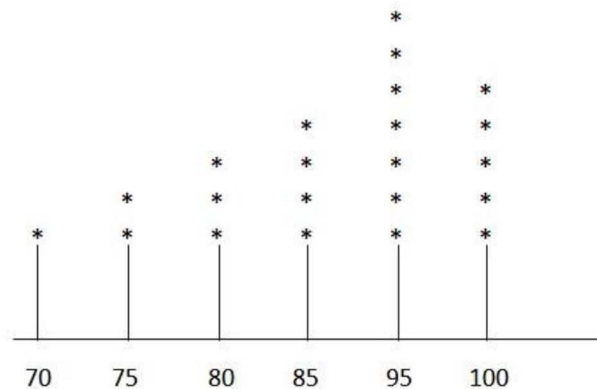
55. The five-day forecast for the South Pole lists low temperature (in Celsius) as -24° , -28° , -29° , -25° , and -30° . Which choice shows the temperature's in order from the lowest to the highest?

- (A) -24° , -25° , -28° , -29° , -30° (B) -30° , -28° , -29° , -25° , -24°
 (C) -30° , -29° , -28° , -25° , -24° (D) -30° , -29° , -28° , -24° , -25°

56. A vessel has 5 litres 120 milliliters of mango shake. How many glasses each of 40 ml capacity, can be filled with it?

- (A) 122 (B) 130 (C) 118 (D) 128

57. The following pictograph shows how students scored in last week's Hindi Test.



How many students scored more than 70 but less than 95 marks?

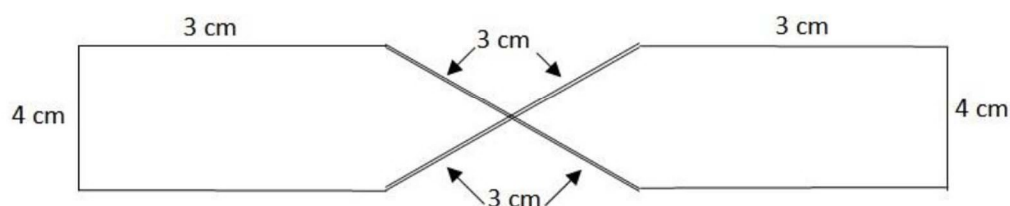
(* = 3 Students)

- (A) 44 students (B) 48 students (C) 18 students (D) 21 students

58. $13 + [-4 + \{5 + (3 \times 7 - 6)\} + 2] = ?$

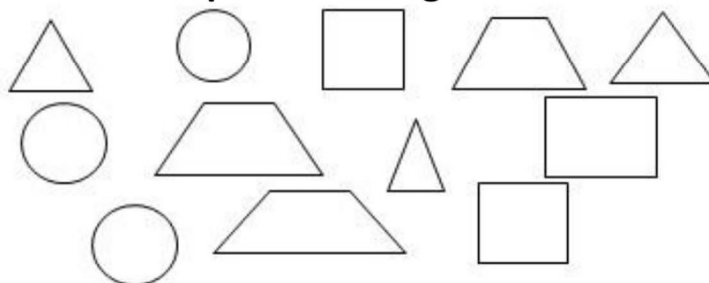
- (A) 21 (B) 31 (C) 27 (D) 33

59. Find the perimeter of the given figure.



- (A) 40 cm (B) 41 cm (C) 32 cm (D) 48 cm

60. What percent of these shapes are triangles?



(A) 0.25 % (B) 3% (C) 12% (D) 25%

61. Which of the following fractions is closest to 0?

(A) $\frac{5}{12}$ (B) $\frac{2}{3}$ (C) $\frac{5}{6}$ (D) $\frac{3}{4}$

62. $11111 - 1111 + 111 - 11 + 1$ is _____

(A) 12345 (B) 10101 (C) 9901 (D) 102

63. If 'a' and 'b' are two whole numbers, then under what condition is the commutative law applicable to subtraction?

(A) $a = b$ (B) $a \neq b$ (C) $a > b$ (D) $a < b$

64. The place which comes on immediate left to hundred thousands place in value chart is-

(A) Millions (B) Ten millions (C) Lakhs (D) Hundred millions

65. The LCM of 42 and n is 462. Then n cannot be-

(A) 33 (B) 66 (C) 88 (D) None of these

66. The value of $-x + [x + \{-x - (x + x)\}]$ is -

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

67. What do you mean by co-primes?

- (A) If there is no common divisor other than 1 between two numbers.
- (B) If there is no common divisor between two numbers.
- (C) If there are common divisors between two prime numbers.
- (D) If there are three common divisors between two prime numbers.

68. The division of any integer by any other integer.

- (A) Always exists. (B) Does not exist for some.
- (C) Is always greater than 0. (D) Is always less than 1.

69. Identity of addition and its additive inverse are-

- (A) Reciprocal of one another. (B) Exactly same.
- (C) Irrational quantities. (D) Are separated by non-zero distance on real line.

70. Rational members are finite – (1)

Some natural numbers do not have additive inverse in form of integers – (2)

Choose the correct options.

- (A) Both (1) and (2) are true. (B) (1) is true, (2) is false.
- (C) (1) is false, (2) is true. (D) Both (1) and (2) are false.

71. Let π be exactly $\frac{22}{7}$, then π is-

- (A) Irrational (B) Rational
(C) Neither irrational nor rational. (D) none of the above.

72. A student got 85, 86, 82, 80 and x in five subjects. The minimum value of x to maintain a percentage of 81 is-

- (A) 67 (B) 71 (C) 72 (D) 77

Choose the correct statement-

- 73.** (A) For any non zero x , $\frac{1}{x}$ is it's multiplicative inverse.
(B) For some (Not all) non zero x , $\frac{1}{x}$ is it's multiplicative inverse
(C) For some real numbers x , $-x$ does not exist.
(D) Real numbers are countable.

74. Choose the right option.

Let $x = -\frac{2}{3}$, then-

- (A) $0 < x < 1$ (B) $-1 < x < 1$ (C) $x^2 \leq 0$ (D) $x^3 \geq 0$

75. If $x = y - z$ and $y - z$ is a + ve multiple of 3 then,

- (A) 6 divides x (B) 3 divides x
(C) x divides 3 (D) $(x + y - z)$ divides 3

GENERAL SCIENCE

76. What is the primary reason for conical shapes trees in Polar Regions?

- (A) To increase oxygen absorption (B) To prevent water loss
(C) To allow snow to slide off easily. (D) To reduce transpiration

77. What is the primary adaptive feature of mountain plants?

- (A) Large broad leaves (B) needle like leaves with a waxy coating
(C) Deep taproot system (D) Flexible stalks

78. What enables aquatic birds to remain dry while swimming?

- (A) Stream lined bodies (B) Webbed feet
(C) Oil glands in feathers (D) Hollow bones

79. Why do camels release minimal sweat and concentrated urine?

- (A) To maintain body temperature
(B) To conserve water in desert conditions
(C) To regulate fat storage in the hump
(D) To increase energy production.

80. What type of stimuli triggers the fight or flight response in humans?

- (A) Internal stimuli (B) Physical stimuli
(C) External stimuli (D) Chemical stimuli

81. What is the primary purpose of air spaces in aquatic plants?

- (A) Facilitating gaseous exchange (B) providing Buoyancy
(C) Storing excess water (D) Exchanging nutrient absorption.

82. What is the advantage of using blue bins for waste collection?

- (A) Collecting kitchen waste for composting.
(B) Separating recyclables like plastic or metal
(C) Strong non-biodegradable waste for disposal
(D) Managing toxic waste like batteries.

83. Match the following waste types with their management methods:

Waste type

Management

- | | |
|----------------------|-----------------------|
| 1) Biodegradable | i) composting |
| 2) Toxic waste | ii) red coloured bins |
| 3) Recycle waste | iii) Recycling |
| 4) Non biodegradable | iv) land fillings |

- (A) 1-i, 2-ii, 3-iii, 4-iv (B) 1-ii, 2-iv, 3-i, 4-iii
(C) 1-iii, 2-i, 3-ii, 4-iv (D) 1-iv, 2-ii, 3-iii, 4-i

84. When a potted plant is kept near a window from where light is coming in the stem of the plant will _____

- (A) grow straight up (B) grow towards the window
(C) grow away from the window (D) not grow at all

85. What is a standard unit of measurement?

- (A) Finger (B) Fist (C) Step (D) Inch

86. The length of the outstretched arms is called

- (A) Finger (B) cubit (C) fathom (D) pace

87. Choose the correct sequence from the following measurement [AU: Astronomical unit, ly = light year]

- (A) 1 ly > 1 parsec > 1 AU (B) 1 AU > 1 ly > 1 parsec
(C) 1 parsec > 1 ly > 1 AU (D) 1 ly > 1 AU > 1 parsec

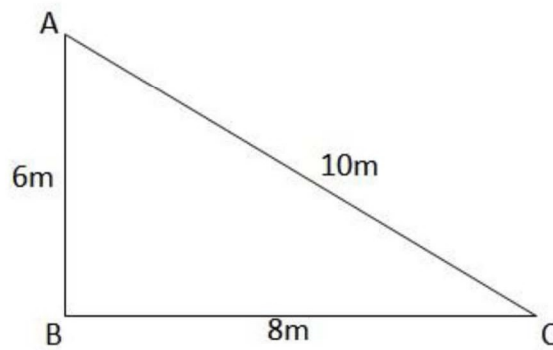
88. Water has maximum density at which temperature.

- (A) 39.2°F (B) 49.5°F (C) 4°F (D) 0.4°F

89. 1 Å can be expressed as-

- (A) 0.01 m (B) $10^{-10}m$ (C) $10^{-8}m$ (D) $10^{10}m$

90. A person started moving from point A and then reached to B and then to C. Find the displacement of the person in feet



- (A) 22.9 (B) 32.8 (C) 42.5 (D) 54.2

91. 'Slug' is used for measuring large masses

1 slug = _____ kg

- (A) 24.75 (B) 14.57 (C) 98.75 (D) 42.75

PASSAGE ÷ In a small village, three friends-Ravi, Maya, and Arun-were challenged to purify a polluted river to make it drinkable, The river contained mud, oil patches, dissolved salts, and some floating dry leaves. They decided to use their scientific knowledge to separate these impurities step by step. Steps taken by the villagers:

1. Ravi collected the river water in a container and noticed the floating dry leaves. He removed them using Method A.
2. Maya noticed that the mud was making the water turbid. She allowed the water to stand undisturbed and then carefully poured out the clearer part using Method B.
3. Arun observed that oil was still floating on the surface. He decided to separate the oil using Method C.
4. Finally, they worked together to recover clean water by separating the dissolved salts using Method D.

92. Identify the correct sequence of Methods A,B,C,D from the above passage..

- (A) A= Hand picking , B= Sedimentation, C= Using a separating funnel , D= Evaporation
- (B) A= Handpicking, B= sedimentation, C= Churning, D= Filtration
- (C) A= Separating tool, B= Sedimentation, C= chromatography , D= Condensation
- (D) A= Decantation, B= Evaporation, C= Winnowing , D= Sieving

93. Read the two statement carefully

- i. Iron filings can be separated from a mixture using a
- ii. Salt can be recovered from its solution in water through

Which of the following methods is the correct combination for separating iron filings and recovering salt from their mixture?

- (A) Filtration and Sedimentation
- (B) Magnet and Decantation
- (C) Magnet and Evaporation
- (D) Winnowing and Condensation

94. A farmer, after harvesting, observed that his wheat grains were mixed with husk and stones.

Using a technique reliant on the action of wind or airflow to exploit the differences in density, which of the following will he most likely succeed in removing?

- (A) Denser wheat grains from the mixture
- (B) Stones from wheat grains and husk
- (C) Light weight husk from wheat grains
- (D) Both husk and stones simultaneously.

95. A chef accidentally mixed cream with water while preparing butter. To recover the butter, he first used a process that involved spinning the mixture rapidly and then used another method to separate the remaining liquid.

Which combination of techniques was applied, and what principles do they rely on?

- (A) Sedimentation and Filtration; Particle size differences
- (B) Filtration and Evaporation; Solubility differences
- (C) Churning and Decantation; Density differences
- (D) Sieving and Condensation; State differences

96. Read the following statements carefully

- i. When a solid is heated and changes into a liquid at a fixed temperature, it is called-
- ii. The process by which liquid changes directly into gas without boiling is known as -

Which of the following processes involves a change of state in the way described above?

- (A) Vaporization and condensation.
- (B) Fusion and evaporation
- (C) Melting and boiling
- (D) Sublimation and condensation

97. Match the following terms with their examples.

- | | |
|------------------------|--------------------------------|
| 1. Miscible liquids. | A. Oil and water |
| 2. Immiscible liquids, | B. Water and alcohol |
| 3. Solvent. | C. Water in saltwater solution |
| 4. Solute. | D. Salt in saltwater solution |

Choose the correct match:

- | | |
|------------------------|------------------------|
| (A) 1-B, 2-A, 3-C, 4-D | (B) 1-A, 2-B, 3-D, 4-C |
| (C) 1-B, 2-A, 3-D, 4-C | (D) 1-C, 2-B, 3-A, 4-D |

98. Ayesha loved playing with magnets but struggled to understand why her teacher always emphasized learning about them in class. One day, during a science activity, her teacher gave her two pieces of iron: one was a magnet, and the other was not. The teacher explained, "Magnets attract only certain materials like iron and nickel. Similarly, in life, good habits and hard work attract success and happiness, while laziness and bad habits repel opportunities." Ayesha realized that just like magnets attract some materials and not others, her efforts would attract success only if she worked hard.

Question:

Which of the following is a correct analogy based on Ayesha's learning?

- (A) Magnets attract wood, just like laziness attracts success.
- (B) Magnets attract iron, just like hard work attracts opportunities.
- (C) Magnets repel iron, just like good habits repel happiness.
- (D) Magnets attract all materials, just like hard work guarantees instant results

99. Choose the option that correctly fill the blanks

Property	Solid	Liquid	Gases
i) Shape.	_____	_____	_____
ii) Volume.	_____	_____	_____
iii) Intermolecular spaces	_____	_____	_____

- (A) (Definite, Indefinite, Indefinite),(Fixed, Fixed, Variable),(Least, More, Most)
- (B) (Definite, Definite, Indefinite),(Fixed, Fixed, Variable),(Least, More, Most)
- (C) (Indefinite, Definite, Definite),(Fixed, Variable, Variable),(Least, Most, More)
- (D) (Definite, Indefinite, Definite),(Variable, Fixed, Variable),(More, Least, Most)

100. A ball is dropped from a height of 10 meters. What happens to its speed as it falls to the ground?

- (A) It decreases because of gravity.
- (B) It remains constant.
- (C) It increases because of gravity.
- (D) It stops in the middle of the fall.
