

INTERNATIONAL INDIAN SCHOOL DAMMAM
MIDDLE SECTIONS (GMS / BMS)
TALENT SEARCH EXAMINATION 2024-25
CLASS: 7

Max Marks: 100

Time: 90 Minutes

INSTRUCTIONS:

- This question paper contains _____ pages.
- All Questions are compulsory
- Use blue or black pen to shade the bubble in the answer booklet for each question.
- Answer will be INVALID if you shade two options for the same question.
- The order of Questions is English, Science & Technology, Social Science, Maths and GK & Current Affairs.
- Return both OMR sheet and question paper.

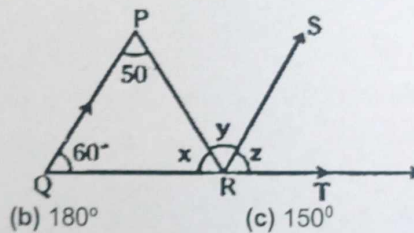
- Each of the books _____ carefully examined.
(a) were (b) was (c) are (d) have been
- Choose the correct sentence.
(a) The number of participants are increasing every year.
(b) The number of participants is increasing every year.
(c) The number of participants have increasing every year.
(d) The number of participants were increasing every year.
- "The manager will approve the request tomorrow." Choose the correct passive form.
(a) The request was approved by the manager tomorrow.
(b) The request will be approved by the manager the next day.
(c) The request has been approved by the manager the next day.
(d) The request will be approved by the manager tomorrow.
- Neither the manager nor the assistants _____ available right now.
(a) is (b) was (c) are (d) will
- Writing essays helps improve your language skills. Identify the underlined word.
(a) gerund (b) past participle (c) present participle (d) infinitive
- She said, "I will call you tomorrow". She said that she _____ call me the _____.
(a) will, next day (b) would, previous day
(c) would, next day (d) none of these.
- Hadi _____ (study) for her exams all evening yesterday.
(a) is studying (b) was studying (c) studies (d) will study
- Who was the first Indian writer to be awarded the Nobel Prize for Literature?
(a) Leo Tolstoy (b) V.S.Naipaul
(c) Rabindranath Tagore (d) J.k.Rowling
- Reema asked "Where is my book?". Reema asked _____.
(a) where was her book. (b) where her book is.
(c) where her book was. (d) where is her book

10. The furniture of the house _____ very expensive.
(a) were (b) is (c) have (d) are
11. He _____ (realize) that he _____ (leave) his keys at home.
(a) realized; had left (b) had realized; left (c) realized ; left (d) realizes; left
12. "Can you solve this problem?" the teacher asked. Choose the correct indirect speech.
(a) The teacher asked if I could solve this problem.
(b) The teacher asked if I can solve that problem.
(c) The teacher asked if I solve this problem.
(d) The teacher asked if I could solve that problem.
13. We went to the coffee shop _____ had some refreshing hot coffee.
(a) and (b) because (c) so (d) but
14. Choose the correct sentence
(a) I am playing tennis every Friday. (b) I play tennis every Friday
(c) I plays tennis every Friday (d) I will play tennis every Friday
15. Choose the sentence that is in passive voice:
(a) The project is being completed. (b) The project completed.
(c) The project completes. (d) The project will complete.
16. Which of the following statements about aerobic respiration is CORRECT?
(a) It occurs in the cytoplasm only.
(b) It requires oxygen and produces more ATP compared to anaerobic respiration.
(c) It occurs only in microorganisms.
(d) It produces lactic acid in human muscles.
17. Which of the following is a result of self-incompatibility in flowering plants?
(a) Increased self-fertilization (b) Cross-pollination
(c) Reduced genetic diversity (d) Inhibition of pollen production
18. What role does light play in the process of photosynthesis?
(a) Providing oxygen for plants (b) Converting solar energy into chemical energy
(c) Breaking down plant tissues (d) Absorbing carbon dioxide from the atmosphere
19. The device used to measure instantaneous speed in a vehicle is called a
(a) Stopwatch (b) Speedometer
(c) Odometer (d) Barometer
20. What is the role of cotyledons in a seed?
(a) Absorbing water (b) Photosynthesis
(c) Providing nutrients to the embryo (d) Protecting the seed coat
21. Which plant hormone is involved in closing stomata during water stress?
(a) Auxin (b) Absciscic acid
(c) Gibberellin (d) Cytokinin
22. Which of the following is a by-product of aerobic respiration?
(a) Carbon dioxide (b) Oxygen (c) Alcohol (d) Lactic acid
23. Which of the following steps in respiration generates carbon dioxide?
(a) Glycolysis (b) Krebs cycle
(c) Oxidative phosphorylation (d) Fermentation in yeast

24. In humans, oxygenated blood is transported from the lungs to the heart through which blood vessel?
 (a) Pulmonary artery (b) Pulmonary vein
 (c) Aorta (d) Superior vena cava
25. What is the correct sequence of blood flow in the human circulatory system?
 (a) Body → Right atrium → Right ventricle → Lungs → Left atrium → Left ventricle → Body
 (b) Lungs → Left atrium → Right ventricle → Left ventricle → Body
 (c) Left ventricle → Body → Right ventricle → Lungs → Right atrium → Body
 (d) Right atrium → Left atrium → Left ventricle → Body → Lungs
26. Which part of a seed grows into the shoot of the plant?
 (a) Plumule (b) Radicle
 (c) Cotyledon (d) Seed coat
27. What does the slope of a distance-time graph represent?
 (a) Speed (b) Time (c) Distance (d) Acceleration
28. What is the angle of reflection when a ray of light strikes a mirror at an angle of 30° to normal?
 (a) 0° (b) 15° (c) 30° (d) 60°
29. How can the discoveries about pollen tube signaling molecules impact agriculture?
 (a) By improving soil fertility (b) By enhancing the efficiency of pollination
 (c) By increasing the production of pollen (d) By reducing the need for water
30. A rainbow is formed due to:
 (a) Refraction and reflection only (b) Dispersion and scattering only
 (c) Refraction, reflection, and dispersion (d) Reflection and absorption
31. Which scientist proposed the quantum theory of light?
 (a) Isaac Newton (b) Albert Einstein
 (c) Max Planck (d) Niels Bohr
32. If 1 Megabyte (MB) is equal to 1024 Kilobytes (KB), how many KB are there in 2 MB?
 (a) 1024 (b) 4096 (c) 2048 (d) 512
33. Which of these is an example of AI in everyday life?
 (a) Electric bulb (b) Smart virtual assistants like Alexa or Siri
 (c) Microwave oven (d) Manual typewriter
34. Who is considered the father of Artificial Intelligence?
 (a) Alan Turing (b) Elon Musk
 (c) John McCarthy (d) Charles Babbage
35. Who is credited with the discovery of aspirin as a drug?
 (a) Felix Hoffmann (b) Alexander Fleming
 (c) Louis Pasteur (d) Edward Jenner
36. What is the Aurora Borealis commonly known as?
 (a) Shooting stars (b) Solar flares
 (c) Fire rainbows (d) Northern Lights

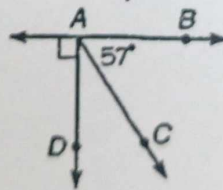
37. A runner completes a lap of 400 m in 50 seconds. What is their average speed in m/s?
 (a) 6 m/s (b) 7 m/s (c) 8 m/s (d) 10 m/s
38. The term "anemophily" refers to pollination by:
 (a) Insects (b) Birds (c) Wind (d) Water
39. The process by which water and dissolved minerals are absorbed into root hair cells is:
 (a) Active transport (b) Osmosis
 (c) Diffusion (d) Facilitated diffusion
40. A pendulum's time period is 4 seconds. How many oscillations will it complete in 1 minute?
 (a) 15 (b) 20 (c) 25 (d) 30
- *****
41. Which of the following cities is an example of an important inland waterway hub?
 (a) Kolkata (b) Mumbai (c) Chennai (d) Delhi
42. Who are the primary producers in a market?
 (a) Farmers (b) Manufacturers (c) Traders (d) Consumers
43. Who was the founder of Sikh Kingdom?
 (a) Guru Nanak (b) Maharaja Ranjit Singh (c) Akbar (d) Shajahan
44. One of the world's largest Bi-weekly market of cloth is in
 (a) Bhuvaneshwar (b) Kurnool (c) Etah (d) Erode
45. Telugu warrior chiefs were known as -
 (a) Nayaks (b) Vellalas (c) Ijaradars (d) Mislis
46. The Education Minister of India
 (a) Dharmendra Pradhan (b) Nirmala Sitharaman
 (c) S.Jaishankar (d) Sanjiv Khan
47. It is the most important river in Ladakh
 (a) Gangri (b) Indus (c) Ganga (d) Son
48. It means the number of persons that live in one square km of area.
 (a) Population change (b) Population distribution
 (c) Population density (d) Population composition
49. The III Battle of Panipat was fought in
 (a) 1526 (b) 1556 (c) 1707 (d) 1761
50. Why does a person feel frostbite and sunlight at the same time in Ladakh
 (a) Humidity (b) Altitude (c) Rainfall (d) Vegetation
51. Who is the Father of Economics?
 (a) Herodotus (b) Eratosthenese (c) Adam Smith (d) Karl marx
52. Pick the odd one
 (a) Port Blair (b) Kavaratti (c) Chandigarh (d) Chattisgarh
53. Name what GNP stands for
 (a) Gross National Product (b) General National Policy
 (c) General Net Profit (d) Gross Net Profit

54. What is the state tree of Bihar
 (a) Banyan (b) Peepal (c) Mango (d) Neem
55. Capital of Manipur
 (a) Imphal (b) Aizawl (c) Kohima (d) Agarthala
56. Two integers whose sum is zero are called additive inverses of each other. They are also called _____ of each other.
 (a) Positive (b) negative (c) multiplicative inverse (d) identity.
57. Find $-34 \times 16 + (-34) \times -18$
 (a) 68 (b) -68 (c) 1156 (d) None of these
58. A diver descend 25 feet in the water from the boat at the surface of a lake. He then rose 10 feet and descends another 14 feet. At this point what is his depth in water?
 (a) 39 (b) -39 (c) -29 (d) None of these
59. In Fig. the value of $x+y+z$ is



- (a) 110° (b) 180° (c) 150° (d) None of these
60. An angle which is half of its Complement is _____
 (a) 90° (b) 60 (c) 45° (d) 30°

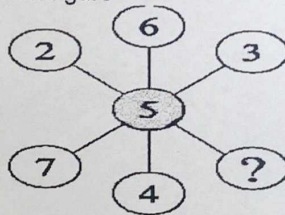
61. Identify $m\angle DAC$



- (a) 133° (b) 90° (c) 33° (d) 43°
62. Ratio of 15 days to 72 hours
 (a) 2:1 (b) 3:1 (c) 4:2 (d) 5:1
63. Selling price of an item is
 (a) Profit + C.P. (b) C.P. + loss
 (c) Loss - C.P. (d) Profit - cost price
64. On selling an article for ₹ 329, a person lost 6%. The C.P. of the article was
 (a) ₹ 350 (b) ₹ 350.50 (c) ₹ 35.50 (d) None of these
65. The product of two rational numbers is $(-\frac{28}{81})$. If the one of them is $(-\frac{2}{3})$, then find the other
 (a) $\frac{56}{243}$ (b) $(-\frac{56}{243})$ (c) $(-\frac{27}{14})$ (d) $\frac{14}{27}$

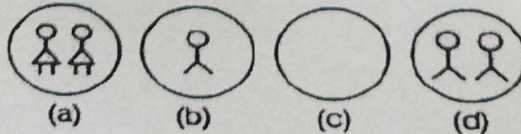
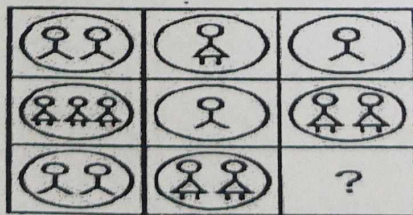
66. Reciprocal of $(-1/1)$ is
 (a) (-1) (b) 1 (c) $(\frac{-1}{0})$ (d) None of these
67. Find $(-\frac{1}{3}) - \frac{11}{12} =$
 (a) $(-1\frac{5}{4})$ (b) $(-1\frac{1}{4})$ (c) $(1\frac{3}{4})$ (d) None of these
68. Find the next number in given series 3, 12, 27, 48, 75, 108, ____?
 (a) 147 (b) 183 (c) 192 (d) None of these
69. Find ratio of 0.01 kg to 1 g = _____.
 (a) 1:1 (b) 1:10 (c) 10:1 (d) None of these
70. Write 0.1 as percentage
 (a) 1% (b) 10% (c) 100 % (d) None of these
71. Rohit is 10th from the top and 35th from the bottom in the merit list of an exam. How many students are there in his class?
 (a) 45 (b) 44 (c) 25 (d) None of these
72. A wall clock has its minute hand of length 7 cm. what area will it swept in covering 30 minutes. ($\pi = 22/7$)
 (a) 144 cm^2 (b) 72 cm^2 (c) 144 cm (d) None of these

73. Find the missing number in given figure



- (a) 8 (b) 9 (c) 10 (d) 1
74. I am thinking of a number. If you double it and then add 10, then the result is 50. What number am I thinking of
 (a) 30 (b) 20 (c) 35 (d) 28

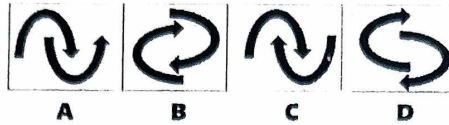
75. Select the missing figure in given sequence?



76. What should come in the place of question mark in the following letter series based on English alphabetical order ZAB, YCD, XEF, WGH, _____

- (a) UJK (b) VKL (c) VIJ (d) VJK

77. In given figure which one is odd one out

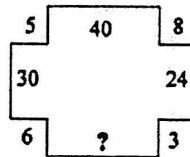


- a) A (b) B (c) C (d) D

78. A point in a plane can have how many lines going through it?

- (a) One (b) exactly two (c) infinite (d) None

79. Find the missing number in given figure



- (a) 46 (b) 30 (c) 15 (d) 18

80. A triangle with sides 5, 6, and 9 cms. Is possible?

- (a) Yes (b) No
(c) cannot say (d) Need more information

81. Who is the current captain of the Indian Women's Cricket Team?

- (a) Mithali Raj (b) Smriti Mandhana
(c) Harmanpreet Kaur (d) Manu Baker

82. Who is the brand ambassador for the inaugural Kho Kho World Cup 2025?

- (a) Salman Khan (b) Shah Rukh Khan
(c) Aamir Khan (d) Akshay Kumar

83. What significant event will Saudi Arabia be hosting in 2034?

- (a) The Summer Olympics (b) The FIFA World Cup
(c) The Winter Olympics (d) The Commonwealth Games

84. What is the title of the novel by Samantha Harvey that was named the winner of the Booker Prize in 2024?

- (a) The Shapeless Unease: A Year of Not Sleeping (b) *Night Watch*
(c) Unflinching and unswerving (d) Orbital

85. Who won the best actress award for their roles at 70th National Film Awards?

- (a) Deepika Paducone and Alia Bhatt (b) Priyanka Chopra and Sara Ali Khan
(c) Nithya Menen and Manasi Parekh (d) Manju Warrier and Sai Pallavi

86. Who were the recipients of the 2024 Nobel Prize for Physiology or Medicine?

- (a) David Baker, and Denis Hassabis
(b) Simon Johnson, and James A. Robinson
(c) Gary Ruvkun, and Victor Ambros
(d) John Hopfield, and Geoffrey Hinton

87. Who is the current Chairman of the International Cricket Council (ICC)?
(a) Virat Kohli (b) Jay Shah (c) Sourav Ganguly (d) Jay Mehta
88. Identify the Indian Paralympian who won a gold medal at the Paris Paralympic 2024.
(a) PV Sindhu (b) Thulasimathi Murugesan
(c) Nishad Kumar (d) Avani Lekhara
89. In which event did Manu Bhaker wins a bronze medal in the women's category in 2024 Summer Olympics?
(a) Air pistol shooting (b) Freestyle swimming
(c) Chess (d) Boxing
90. Which country honoured PM Modi with the 'Grand Commander of the Order of the Niger' award?
(a) South Africa (b) Nigeria (c) Niger (d) Egypt
91. Identify the recent mission by ISRO which was launched on December 30, 2024.
(a) GAGANYAAN 1 Mission (b) INGENUITY Helicopter Mission
(c) ODYSSEUS MOON Landing Mission (d) SPADEX Mission
92. Who is the climber known for completing 30 successful ascents of Mount Everest?
(a) Dawa Finjok Sherpa (b) Kami Rita Sherpa
(c) Junko Tabei (d) Nima Rinzee Sherpa
93. Which team won IPL 2024 title?
(a) Chennai Super Kings (b) Mumbai Indians
(c) Kolkata Knight Riders (d) Sunrisers Hyderabad
94. Which wildlife sanctuary in Bihar is being developed as a tiger reserve?
(a) Kaimur Wildlife Sanctuary (b) Kaziranga National Park
(c) Gir National Park (d) Periyar Wildlife Sanctuary
95. What was the Theme of Earth Day 2024?
(a) Blue Planet vs. Ocean (b) Planet vs. Plastics
(c) Planet vs. Pollution (d) Restore Our Earth
96. Which country did India defeat to win the Women's Asian Champions Trophy 2024?
(a) China (b) Japan (c) South Korea (d) Malaysia
97. Who won the 2024 French Open Men's singles?
(a) Novak Djokovic (b) Jannik Sinner
(c) Alexander Zverev (d) Carlos Alcaraz
98. Which natural disaster did not occur in India in 2024
(a) Cyclone Winston (b) landslide in Kerala's Wayanad
(c) Cyclone Remal (d) Cyclone Fengal
99. Which country is the host of women's T20 World Cup for Blind in 2025?
(a) Saudi Arabia (b) Sri Lanka (c) South Africa (d) India
100. Who is the author of the book "Why Bharat Matters"?
(a) Dr. Randhir Jaiswal (b) Narendra Modi
(c) Dr. S. Jaishankar (d) Arindam Bagchi