



Question Paper
PRELIMS ALOHA GAT 2013

Class: **8th class**

Total No. of Questions: **120**

Max Marks: **120**

Time Allowed: **90 minutes**

- The loudness of sound is decided by:
a) Frequency b) Time period
c) Amplitude d) Velocity
- At 20°C, The velocity of sound in air is:
a) 320 m/s b) 332 m/s
c) 340 m/s d) 344 m/s
- Which of the following turns milk into curd?
a) Lacto bacillus b) Rhizobium
c) Fungi d) Algal
- The expression for force is:
a) $F = ma$ b) $F = p \times a$
c) $F = m/a$ d) $F = a \times t$
- A person presses the earth least when he is:
a) Standing b) Setting
c) Running d) lying on ground
- Dry Ice is:
a) Super Cooled Ice
b) Solid water with zero humidity
c) Solid Carbon dioxide
d) Solidified Ammonia
- The Ignition temperature of phosphorous is:
a) 40°C b) 35°C
c) 30°C d) 25°C

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8. The frequency of a sound wave is 400 Hz its time period will be:
a) 0.00 25 Sec b) 0.025 Sec c) 0.25 Sec d) 25 Sec
9. Which of the following is living part of cell:
a) Cytoplasm b) Cell wall c) Vacuoles d) Ribosomes
10. Which of the following planet is known as morning star?
a) Mars b) Jupiter c) Venus d) Saturn
11. The bread dough rises because of:
a) Heat b) Grinding
c) Growth of yeast cells d) Kneading
12. Which of the following is an antibiotic:
a) Sodium bicarbonate b) Streptomycin
c) Alcohol d) Yeast
13. The process of separation of different constituents from petroleum is called:
a) Carbonisation b) fractional distillation
c) Extraction d) None of these
14. The least polluting fuel for vehicles is:
a) TNG b) Petrol
c) LPG d) CNG
15. The amount of heat evolved when 1 kg of a fuel is burnt completely is called its-
a) Ignition temperature b) Calorific value
c) Combustion d) Respiration
16. Red data book contains:
a) Endangered b) Endemic c) Extinct d) All of these
17. The number of nuclei present in a zygote is:
a) None b) One c) Two d) Four
18. Metamorphosis in amphibians is brought about by ----- hormone:
a) Thyroxin b) Aldosterone c) Adrenaline d) Insulin
19. Ursa Major is a:
a) Star b) Planet c) Constellation d) satellite
20. Which of the following is not a member of the solar system?
a) Asteroids b) Morning star c) Satellites d) Constellations
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21. Which of the following is not a green house gas?
a) Carbon dioxide b) Nitrous Oxide c) Methane d) Nitrogen
22. The ability of metals to be drawn into thin wires is known as:
a) Ductility b) Malleability
c) Conductivity d) Sonorousity
23. The L.C.M of two numbers is 2079 and their H.C.F is 27. If one of the number is 187, find the other;
a) 927 b) 792 c) 297 d) 279
24. The average of the five items is 45. By mistake one of the item is taken as 25 instead of 20. find out the correct average.
a) 44 b) 42 c) 40 d) 43
25. 19% of 2.8 is equal to?
a) 0.0532 b) 0.532 c) 5.32 d) 53.2
26. If $\sqrt{11}$ is approximately equal to 3.317, the value of $3\sqrt{1331}$ is nearly?
a) 163.192 b) 109.448
c) 111.266 d) 116.042
27. On a given date and month, the same day falls after:
a) 7 years b) 6 years
c) 5 years d) 5 or 6 years
28. The hypotenuse of a right angled triangle is $m^2 + n^2$ and one of its sides has a length equal to $m^2 - n^2$ where 'm' and 'n' are two natural numbers. The length of the other side is
a) $2n^2$ b) $2m^2$
c) $2m^2n^2$ d) $2mn$
29. The square root of 0.9 is nearly
a) 0.3 b) 0.03
c) 0.9 d) 0.09
30. If oranges are bought at the rate of 6 for a rupee, how many must be sold for a rupee in order to gain 20%?
a) 7 b) 5
c) 4 d) None of the above
31. The greatest among $\sqrt{13} - \sqrt{11}$, $\sqrt{7} - \sqrt{5}$ and $\sqrt{5} - \sqrt{3}$ is
a) $\sqrt{13} - \sqrt{11}$ b) $\sqrt{5} - \sqrt{3}$
c) $\sqrt{7} - \sqrt{5}$ d) None, all are equal

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32. The average of 6 numbers is 10. if the average of four of the numbers is 12, then the average of the remaining two numbers is:
a) 4 b) 6 c) 8 d) 10
33. In what time will Rs. 500 give Rs. 50 as interest at the rate of 5% per annum
a) 2 years b) $2\frac{1}{2}$ years
c) 3 years d) 4 years
34. Profit % is equal to:
a) $P/S.P \times 100$ b) $S.P/P \times 100$
c) $P/CP \times 100$ d) $P/CP \times 10$
35. The ratio of 72 and 128 is:
a) $72/128$ b) $9/16$
c) $16/9$ d) $9/128$
36. The expression $2x^2 + 4x + 5$ is:
a) A binomial b) A trinomial
c) A monomial d) None
37. $(a+1)(a+2)$ equals :
a) $a^2 + 3a + 2$ b) $a^2 + a + 2$
c) $a^2 + 6a + 1$ d) None
38. A monomial multiplied by a monomial always gives a _____:
a) Binomial b) Trinomial
c) Monomial d) All
39. If the area of rhombus is 240 m^2 and one of the diagonal is 16 m find other:
a) 32 m b) 30 cm
c) 30 m d) 20 m
40. Volume of the cylinder is:
a) πr^2 b) $\pi r^2 h$ c) $\pi r h^2$ d) None
41. Total surface area of a right circular cone is:
a) $\pi r l + \pi r^3$ b) $\pi r l + \pi r h$
c) $\pi r l + \pi r^2$ d) None
42. A cuboid has _____ pairs of opposite faces:
a) Four b) Two c) Six d) Three

52. Select the option which gives the correct word:

1 2 3 4 5 6

E I E R S S

- a) 614235 b) 423516 c) 634512 d) 531426

53. Choose the synonym of the given word:

Cursory

- a) Artificial b) False
c) Rough d) Superficial

54. Choose the Antonym of the given word:

Public

- a) Publication b) Private
c) Uncommon d) Open

Use the appropriate preposition for the following blanks:

55. The customer smashed his fist down _____ the table.

- a) into b) at
c) against d) on

56. A good judge never gropes _____ the conclusion.

- a) to b) for c) on d) with

57. Select the option which gives you the correct sentence:

1 2 3 4 5

him the to charge handover

- a. 42531 b. 51342 c. 41352 d. 52431

Choose the word which fits most appropriately

58. I saw a.....of cows in the field.

- a. group b. herd c. swarm d. flock

59. Man does not live by.....alone.

- a. food b. bread c. meals d. diet

60. In the question below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice:

Who is creating this mess?

- a. Who has been created this mess?
b. By whom has this mess been created?
c. By whom this mess is being created?
d. By whom is this mess being created?

Choose the one word for the substitution

61. *One who does not marry, especially as a religious obligation*
a. Bachelor b. Celibate
c. Vigin d. Recluse
62. *The part of government which is concerned with making of rules*
a. Court b. Tribunal
c. Bar d. Legislature
63. The age of fish can be assessed by examining its:
a. Stigma b. Yeep
c. Abdomen d. Scales
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c. Abdomen d. Scales
65. The plants growing on the rocks are called:
a. Hydrophytes b. Psammophytes
c. Lithophytes d. Xerophytes
66. The human skull contains:
a. 22 bones b. 16 bones
c. 15 bones d. 14 bones
67. What is the symbol of solidarity of people living with HIV?
a. Black Ribbon b. Red Ribbon
c. Pink Ribbon d. White Ribbon
68. What was the court and official language of Mughals?
a. Arabic b. Sanskrit
c. Persian d. None of these
69. Who is the only chief justice of India who acted as the President of India?
a. Jawaharlal Nehru b. Gandhiji
c. M. Hidayatullah d. Harilal J. Kania
70. Tomb of Sher Shah Suri is located in.
a. Vellore, Tamil Nadu.
b. Udaipur, Rajasthan.
c. Sivsagar, Assam.
d. Sasaram, Bihar.

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71. She stayed with 7 dwarfs in the forest.
a. Winnie b. Alice
c. Snow White. d. None of these.
72. The origins of chess are unknown but it is believed to have originated in north west:
a. Sri Lanka. b. Tokyo.
c. Canada. d. India.
73. Which was the first official film of James Bond?
a. Dr. No b. Dr. Yes
c. Men in Black d. None of these
74. Blue Mosque is located in:
a. New York, USA b. Istanbul, Turkey
c. Arizona USA d. None of these.
75. India has the largest number of daily newspaper in the world with over _____ publications:
a. 2,795. b. 1,795.
c. 3,795. d. 4,795.
76. Who granted Diwani rights of Bengal to Britishers?
a) Mir Qasim b) Murshid Quli Khan
c) Mir Jafar d) Mughal Emperor
77. Who was the Governor of Madras from 1819-26?
a) Thomus Munro b) Warren Hastings
c) Alexander Read d) William Bentinck
78. Which reform Association was founded by Raja Ram Mohan Roy?
a) Arya Samaj
b) Brahmo Samaj
c) Satya Shodhak Samaj
d) Prathna Samaj
79. Who was the founder of Indian National Congress?
a) Lord Curzon b) A.O Hume
c) Dada Bhai Naroji d) Surendra Nath Banerjee
80. Which day was observed by Muslim league as Direct Action Day?
a) 15 Aug 1945 b) 26 Jan 1946
c) 16 Aug 1946 d) 26 Jan 1947

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94. Prophet (S.A.W) with his companions marched from Madinah for the battle of Uhad on _____?
95. How far is Madinah from Makkah?
96. Who disagreed to write 'the messenger of Allah' with the name of 'Muhammad' when the agreement of Hudaibiyah was to be written?
97. Our beloved Prophet Muhammad (peace be upon him) was free from all kinds of sins, but how many times he used to seek forgiveness from almighty Allah?
98. What is the literal meaning of Iblees?
99. How long prophet Noah (A.S) admonished his nation?
100. Who is the first user of Pen?
101. How long a time Prophet Yousuf (A.S) was kept in the prison?
102. One Pharaoh was drowned and burnt by Allah the exalted in Neil, what was his name?
103. Name the two prophets who did not marry?
104. The total number of human chromosomes is 46, 23 from mother and 23 from father. This recently known scientific fact has been determined 1400 years ago by the Qur'an – Mention how?
105. How many times does the word 'mind' and 'light' occur in the Qur'an?
106. According to the Qur'an, which bee carries the entire work load of the (bee) colony?
107. Looking at a portrait of a man, Harsh said, "His mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Harsh looking ?
- a) His son b) His cousin c) His uncle
d) His nephew e) None of these
108. Raman ranks sixteenth from the top and forty ninth from the bottom in a class. How many students are there in the class ?
- a) 64 b) 65 c) 66
d) Cannot be determined e) None of these

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118. (a) Manipur (b) Kohima
(c) Sikkim (d) Mizoram
119. (a) Yuri Gagarin (b) Rakesh Sharma
(c) Neil Armstrong (d) Edmund Hillary
120. (a) Scoop (b) Corner
(c) Bunker (d) Bully