GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	Question Image	A. 120 B. 60 C. 90 D. 30
2	A solid metal cube of side 5 inches is placed in a rectangular tank whose length, breadth and height are 5, 6 and 7 inches, respectively. What is the volume in cubic units, of water that the tank can now held ?	A. 210 cubic inches B. 85 cubic inches C. 125 cubic inches D. 216 cubic inches
3	Three business partners shares have profit of Rs. 24000 in the ratio 5 : 4 : 3. What is the amount of the least share ?	A. 6000 B. 8000 C. 10,000 D. 1200
4	Question Image	A. 2535 cm² B. 2720 cm² C. 3348 cm² D. 628 cm²
5	If 5 years are added to a man present age and that age is tripled, he will be 84. What is his present age ?	A. 18 B. 23 C. 32 D. 54
6	The average number of goals a team has scored in 7 matches is 8. They averaged 10 goals for the first 3 matches and they scored 5 goals in each of the next tow matches. What is the average score of the last two matches ?	A. 5 goals B. 4 goals C. 6 goals D. 8 goals
7	If $(5^a)(5^b) = 5^c/5^d$, what is d in terms of a, b and c ?	A. a + b -c B. a - b + c C. a + b + c D. c - a - b
8	If $xy > 0$ and $x < 0$, which of the following negative ?	A. -x B. -y C. y D. xy
9	Certain upgrades need to be made on each of the computers owned by Sami Publishers. The work of upgrading their 20 computers is mentally taxing. Employees are using the computers during the day, making it difficult for the computer technician to coordinate the block of time needed to work on each computer. Therefore, the most efficient time to upgrade the computers is between ten o'clock p.m. and eighto'clock a.m. when the computers are free. Q:Which of the following, if true, argues most strongly against the view that upgrades could be done more efficiently by scheduling them at night?	A. Energy costs in businesses are greatly lower at night than they are during the day B. More blackouts occur between midnight and eight o'clock in the morning than at any other time C. Over the course of a year, the company's computers will require periodical checks and upkeep D. Mental alertness is lower in the late night than during the day, especially in people not accustomed to working at night
10	The number of young adults that are illiterate has dropped significantly in a certain county over the last fifteen years. Education officials attribute this decrease entirely to improved conditions in the schools, which made for a better teaching environment, reducing the level of illiteracy. Q:Which of the following, if true, would most seriously weaken the education officials' explanation for the lower incidence of the disease?	A. Many similar improvements in school conditions have been made over the last twenty-five years in the county B. Home-schooling has not been more prevalent among the illiterate as compared to people who are not illiterate C. Because of a new assessment scale, many people who until this year would have been considered illiterate are now considered low-level readers D. The same percentage of the population has been tested every year for the last 30 years
	In a psychological experiment conducted at South Bay University, groups of men with various levels of education read stories in which people caused harm, some of them	A. In these stories, the severity of the harm produced was clearly stated B. In interpreting these stories, the listeners had to draw on a relatively

11	doing so intentionally, and some accidentally. When asked about appropriate penalizationfor those who had caused harm, the less educated men, unlike the educated ones, assigned punishments that did not vary according to whether the harm was done intentionally or accidentally. Uneducated men, then, do not regard people's intentions as relevant to penalization. Q:Which of the following, if true, would most seriously weaken the conclusion above?	feminine sense of human psychology in order to tell whether harm was produced intentionally or accidentally C. Relatively uneducated men are as likely to produce harm unintentionally as are more educated men D. The more educated men assigned penalization in a way that closely resembled the way women had assign penalization in a similar experiment
12	t is an integer greater than 5. The expression that must represent an odd integer is	A. t(t + 1) B. 3t - 1 C. t² D. 2t - 3
13	If length of a rectangular field is twice that of its width. What is the perimeter of the field if its area is 1152 m^2 ?	A. 256 m B. 144 m C. 24 m D. 96 m
14	Ahmed has a rectangular garden measuring 4.32m by 3.36m. He wants to divide it into square plots of equal size. What is largest sized square the can use?	A. 0.24 B. √3 C. 0.48m D. 0.16
15	An oil burner in a housing development burns 76 gallons of fuel oil per hour. At 9 A.M on a very cold day, the superintendent asks the housing manager to put in an emergency order for more fuel oil.At that time,he reports that he has on hand 266 gallons. At noon, he again comes to the manager, notifying him that no oil has been delivered. The maximum amount of time that he can continue to furnish heat without receiving more oil is	A. 1/2 hr B. 1 hr C. 1 1/2 hr D. 2 hr
16	Many people claim that advertisements of alcoholic drinks influence young people to start drinking socially. In Iceland, however, where there has been a ban on the advertisement of alcoholic beverages since 1982, drinking is at least as prevalent among young people as it is in countries that do not have a similar ban. Q:Which of the following statements draws the most reliable conclusion from the information above?	A. Advertising does not play a role in causing young people to start or continue drinking B. Advertisements of alcoholic drinks cannot be the only factor that affects the prevalence of drinking among young people C. Banning advertisements of alcoholic drinks does not. reduce the consumption of alcoholic drinks D. More youths drink if they are not exposed to advertisements of alcoholic drinks than if they are
17	If x is a positive number and x2 + 36 = 100, what is the value of x ?	A. 6 B. 8 C. 14 D. 64
18	In figure 2, what is the perimeter of Δ*BED* ?	A. 3 + √93 B. 11 C. 11 + √97 D. 81
19	Which of the following inequalities is the solution of the inequality 7a - 5<2a + 18 ?	A. a<23 B. a>13 C. a≤23 D. a≥13
20	If 2x + 5y = 18 and x = 4 then what is the value of y?	A. 2 B. 3 C. 4 D. 5