NMAT SECTION – II

QUANTITATIVE SKILLS, DATA ANALYSIS & SUFFICIENCY

1. 65% of 284 + ? = 300

(1) 115.4

2. ? ÷ 48 × 15 = 405

1296

3. 5339 ÷ 9 ÷ 562

(1) 9.5 (2) 11.5 (3) 13.5 (4) 15.5 (5) None of these

4. (9.75% of 316) – (3.82% of 120) =?

26.262

5. Numerator of a fraction is increased by 200% and the denominator is increased by 300%, the resultant fraction is $\frac{5}{12}$. What was the original fraction ?

$\frac{5}{9}$

6. $(61)^{10} \times (61)^4 = ?$

$(61)^{14}$

7. 3/7th of 266 lesser than 4/9 of 504 ?

(1) ….. (2) 114 (3) 104 (4) …… (5) None of these

8. $(34)^{48} \times (34)^{-44} - ?$

$(34)^4$

9. Sumant started a business investing Rs. 48,000/-. After 6 months Maurya joined him with a capital of Rs.56,000/-. At the end of the year the total profit was Rs.24,529/-. What is the difference between the share of profits of Sumant and Maurya ?

(1) Rs.6,455/- (2) Rs. 7,775/- (3) Rs. 5,545/- (4) Rs. 4,875/- (5) None of these

10. The ages of Shauna and imam are in the ratio of 7 : 3 respectively. After 9 years the ratio of their ages will be 4 : 3. What is age of Imam ?

3 years

11. Each of 75 boys gets sweets 20% of the total number of students. Total sweets ?

1125

12 1/7 of a number is 48. 72% of number is?

241.92

13. The compound interest accrued on Rs. 18,000/- for 3 years was Rs.5,958/-. Find simple interest accrued for same time and same amount.

Rs.5,400/-

14. 25% of 45% of 4/9 of 4540 ?

227

15. Which number should replace both the question marks in the following equation?

$$\frac{?}{492} = \frac{123}{?}$$

(None of these

In the following number series only one number is wrong. Find out the wrong number.

16. 16 17 32 99 392 1960

(1) 17 (2) 99 (3) 11784 (4) 1960 (5) None of these

17. 5 9 18 34 60 95

None of these

Find approximate value of question mark (?) in the following questions ?(not to calculate the exact value.)

18. (619% of 845) ÷723 = ?

7

19. $(1562000)^{1/2}$ = ?

1250

***Table of* Year and Course wise number of Students for Hobby Classes**

Courses → / Years ↓	Book Binding	Candle Making	….	Wall Hanging	……
2002					
2003					
2004					
2005					

2006					
2007					
2008					

20. Ratio of number of Students enrolled in Candle Making to the number of Students in 2005 ?

5 : 3

21. Average number of Students in the Candle Making in given years ?

61

Study the information carefully to answer the following questions.

22560 employees …….. The ratio of males to females is 7 : 5 respectively. All the employees are in six different departments viz. Administration, ……., Personnel Department, Accounts, ….. and IT. 20% of the females are in ……. .. percent of the males are in Personnel Department. ... percent of the total numbers of employees are in …. ……..

22 Total in Personnel Department ?

3132

23 Number of males is what percent of total number of the Employees ?

23

***Table of* Number of Pass and Fail Students, of five Classes/years**

	CLASSES									
	6th		**7th**		**8th**		**9th**		**10th**	
	Pass	**Fail**	**Pass**	**Fail**	**Pass**	Fail	**Pass**	Fail	**Pass**	**Fail**
2003										
2004										
2005										
2006										
2007										
2008										

24. Class with maximum Pass Students …….?

9th

25. Average number of Fail students from Class 10th?

10

26. What is the average number of Pass students dents of all the classes together in the year 2007?

(1) 67 (2) 73 (3) 79 (4) 61 (5) None of these

Give answer (1) if the statement A alone is sufficient to answer the question, but the statement B alone is not sufficient.

Give answer (2) if the statement B alone is sufficient to answer the question, but the statement A alone is not sufficient.

Give answer (3) if both statements A and B together are needed to answer the question.

Give answer (4) if either the statement A alone or statement B alone is sufficient to answer the question.

Give answer (5) if you cannot get the answer from the statement A and B together, and need more info.

27. **……** age of C, ….. A, B, C, D, E and F whose average age is … years ?

A. Total of the ages of A and F is …. years.

B. Total of the ages of B and D is … years.

Ans. (5)

28. The ages of ….x … and …y... are in the ratio of 14 : 11. What is the age of x ?

A. After 6 years the ratio of ..x… and …y… ages will be 17 : 14.

B. The ages of …x… and …y… are in the ratio of 11 : 6.

Ans. (1)

29. How many women can complete a piece of work in 10 days ?

A. If the same work is completed by … men in .. days.

B. If the same work is completed by … women in … days.

Ans. (2)

30. What is the three digit number ?

A. …..is exact multiple of 9.

B. The first and the third digit is 8.

Ans. (3)