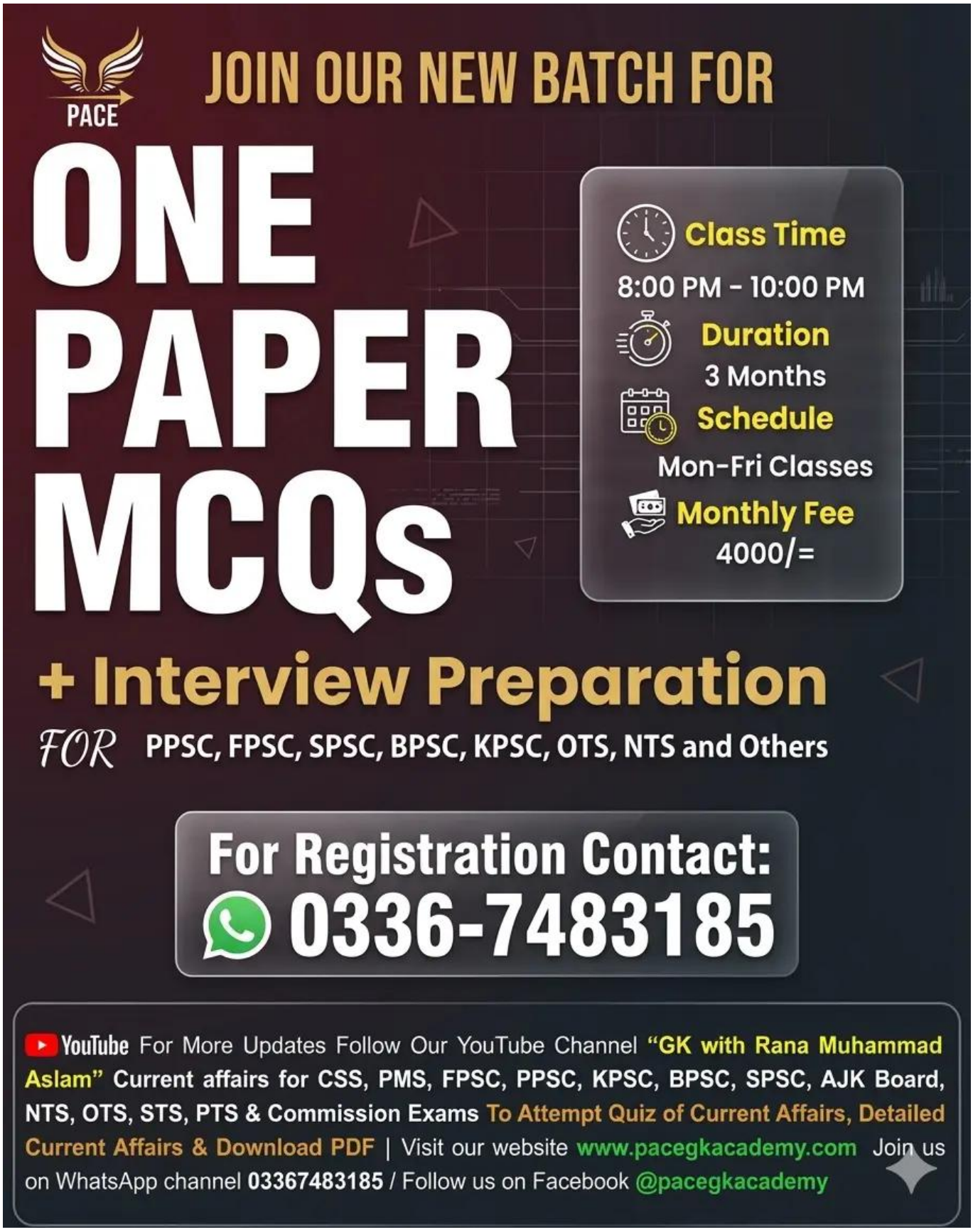
Math Model Paper 8

(Miscellaneous)



Math Model Paper 8

Q.1: A person travels 12 km in the southward direction and then travels 5km to the right and then travels 5km towards the east, how far is he from his starting place?
A. 5.5km
B. **3km**
C. 13km
D. 6.4km

Q.2: How many of integers between 25 and 45 are even ?
A. 21
B. 20
C. 11
D. **10**

Q.3: which of the following fractions is the greatest of all? 7/8, 6/7, 5/6 , 4/5
A. 7/8
B. 6/7
C. **5/6**
D. 4/5

Q.4: An increase in the cost price of an article by 22% leads to the value of Rs.61. What was the original cost price of the article ?
A. Rs. 40
B. Rs.45
C. **Rs. 50**
D. Rs. 55

Q.5: A car wash can wash 8 cars in 18 minutes. At this rate, how many cars can the cars wash in 3 hours?
A. 50
B. 60
C. 75
D. **80**

Q.6: It takes 30 days to fill a laboratory dish with bacteria . If the size of the bacteria doubles each day, how long did it take for the bacteria to fill one half of dish?
A. 18 days
B. 23 days
C. 27 days
D. **29 days**

Q.7: 2,0,5,3,10,8,17,.....
A. **11**
B. 15
C. 19
D. 21

Q.8: 0,0,2,6,12,....
A. 0
B. 15
C. **20**
D. 18

Q.9: 4,9,25,49,121,....
A. 144
B. 196
C. 189
D. **169**

Q.10: The cost price of 20 articles is equal to the sale price of 16 articles. What is the percentage gain?
A. 20%
B. 16%
C. **25%**
D. 18%

Q.11: If the length of a rectangle is increased by 20% and the area remains unchanged, then its corresponding breath must be decreased by :
A. 20%
B. **16 2/3%**
C. 6%
D. 10%

Q.12: A car is drawn from a pack of playing cards. The probability that drawn card is a court card when it is a red card is:
A. **3/13**
B. 6/13
C. 3/26
D. 3/52

Q.13: When sugar is 10 kgs a cent, a sum of money maintains a family of 18 men for 15 days, how long will the same amount of money maintain a family of 6 men when sugar is 14 kgs a cent ?
A. 57 days
B. **63 days**
C. 67 days
D. 53 days

Q.14: A railway passenger counts the telegraph posts on the line as he passes them. If they are 50 meters apart and the train is going at 48 km, per hour. How many will he pass per minute?
A. **16**
B. 20
C. 24
D. 10

Q.15: Which of the following is equal to 14?
A. **2*20**
B. 1*7
C. 3*12
D. 4*6

Q.16: In an examination, 45% of the total examinees passed. If the number of failures is 121, the number of whose who passed is:
A. 97
B. 99
C. 420
D. **220**

Q.17: Find the next number of the series 13,21_____?
A. **31**
B. 35
C. 29
D. 27

Q.18: The average age of three girls is 16 years. If their ages are in the ratio 4:5:7, the age of the youngest girl is:
A. 8 yrs
B. 9 yrs
C. **12 yrs**
D. 16 yrs

Q.19: If a road A is 29 miles and 45 % longer than another road B, find the length of road B.
A. 10
B. 15
C. 18
D. **20**

Q.20: The average age of 32 students is 10 years, if teachers age is included, the average becomes 11. What is the teachers age?
A. 42 years
B. 52 years
C. **43 years**
D. 33 years

Q.21: A man covered 28 steps in 30 seconds to reach bottom but if he decided to move fast and covered 34 steps in 18 seconds. How many steps are there on the escalator when stationary?
A. 50
B. 45
C. **43**
D. 40

Q.22: A fathers age today is thrice as that of his sons. After 5 years, it would be just 2.5 times. At the time of birth of his son, what must be the age of the father?
A. **30 yrs**
B. 25 yrs
C. 28 yrs
D. 35 yrs

Q.23: In a school , the number of boys is one and a half times the number of girls. Which of the following can represent the total strength of students in the school?
A. 672
B. **722**
C. 422
D. None of these

Q.24: A father can complete a piece of work in 30 hours. He and his son together can finish the same in 20 hours. In what time would the son complete the work alone?
A. **60 hrs**
B. 50 hrs
C. 25 hrs
D. 10 hrs

Q.25: A number when divided by 165 leaves a remainder of 100. If the same number is divided by 15, the remainder would be?
A. 11
B. 12
C. 9
D. **10**

Q.26: Complete the series. 5,9,11,15,_____,21,23,
A. 18
B. 19
C. 24
D. **17**

Math Model Paper 8
(Answer Key)

1. **B**	2. **D**	3. **C**	4. **C**	5. **D**	6. **D**	7. **A**	8. **C**	9. **D**	10. **C**
11. **B**	12. **A**	13. **B**	14. **A**	15. **A**	16. **D**	17. **A**	18. **C**	19. **D**	20. **C**
21. **C**	22. **A**	23. **B**	24. **A**	25. **D**	26. **D**				