

- (1) -

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| <p>1. Which expression is equal to $(4 \times 8) + (4 \times 60)$?
(A) $4 \times (60 + 8)$ (B) $8 \times (60 + 4)$
(C) $12 \times (60 + 4)$ (D) $16 \times (60 + 8)$</p> <p>2. 17 : 40 hrs in 12hrs clock is :
(A) 5:40pm (B) 4:40pm
(C) 5:40am (D) 4:40am</p> <p>3. Place value and face value of a number is always equal at :
(A) hundred's place (B) tens place
(C) ones place (D) none of these</p> <p>4. CM - CD + DCCC =
(A) MDCC (B) MCCC
(C) MCM (D) none of these</p> <p>5. If the difference if sum if digits in odd places is zero when starting from ones place, the number is divisible by:
(A) 4 (B) 7
(C) 11 (D) none of these</p> <p>6. What nuumber will be multiplied by 39 to give same product as 15 multiplies</p> | <p>by 169:
(A) 5855 (B) 6591
(C) 2535 (D) 3005</p> <p>7. The sum of the place value and face value of 8 in 304856 is multiplied with a number to give 14544. Find the number.
(A) 20 (B) 23
(C) 24 (D) 18</p> <p>8. Prem uses $\frac{1}{4}$ cup of apple sauce in place of every $\frac{1}{3}$ cup of butter in her coolie reciepe. How many cups of apple sauce will he use in place of 1 cup of butter?
(A) $\frac{1}{12}$ (B) $\frac{1}{7}$
(C) $\frac{2}{4}$ (D) $\frac{3}{4}$</p> <p>9. Which is equal to 6.45?
(A) $\frac{6}{45}$ (B) $\frac{45}{100}$
(C) 24 minutes (D) 96 minutes</p> <p>10. Bobo uses 42 cups of dog food each week to feed his dog. Which number sentence should be used to find N, the number of cups bobo feeds each day?</p> |
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SPACE FOR ROUGH WORK

- (6) -

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| <p>42. (A) $10 \times 10 \div 10 \times 10 \div 10 \times 10 = 100$
(B) If the H.C.F. of X and Y is 1, then their L.C.M. is X.Y.
(C) 12% of 12 is 144
(D) The reciprocal of $11\frac{1}{9}$ is $\frac{11}{100}$</p> <p>43. (A) $1 \text{ mile} = \frac{8}{5} \text{ km}$, then $1 \text{ km} = \frac{5}{8} \text{ mile}$.
(B) Both million and crore are equal.
(C) H.C.F. of 4, 8, 16 & 32 is 4
(D) $35 = \frac{105}{3}$</p> <p>44. (A) The place value of 6 in 49.63 is 6 tenths.
(B) $36\% = \frac{18}{25}$
(C) The sum of the reciprocals of 1 and 2 is $1\frac{1}{2}$</p> | <p>(D) All numbers having 0 at its unit's place is divisible by 10.</p> <p>45. Find the distance between the two place values of two 7s in 54760.078 is
(A) 700.07 (B) 699.93
(C) 700.93 (D) 690.93</p> <p>46. If the speed of a man is 2m/sec, then in an hour, he will cover a distance of :
(A) 3.6km (B) 5.4km
(C) 7.2km (D) 8.6km</p> <p>47. The sum of first three prime number is :
(A) 10 (B) 8
(C) 3 (D) 5</p> <p>48. Express the first number as a percentage of the second ; 25 and 625.
(A) 4% (B) 25%
(C) 40% (D) 75%</p> |
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SPACE FOR ROUGH WORK

34. Find the composite number if one of the number is 18, the L.C.M. and H.C.F. of the two numbers are 72 and 6 resp.
(A) 12 (B) 24
(C) 26 (D) 14
35. 1 pari =
(A) 100.35 ares (B) 100.3468m²
(C) 248 acres (D) 1.5 hectares
36. What percentage of 50 is 100?
(A) 2% (B) 100%
(C) 150% (D) 200%
37. What would be the perimeter if the length of rectangle is twelve times its breath and breath of the rectangle is 4cm?
(A) 104cm (B) 52cm
(C) 16cm (D) 216cm
38. How many square tiles which has the side of 30 cm long would be needed to cover the floor of square room of a side 6m long?
39. 99% of a number 99. Find the number.
(A) 9900 (B) 1000
(C) 990 (D) 100
40. $\frac{(9+9+9) \div 9}{(4+4+4) \div 4} = ?$
(A) 1 (B) $\frac{9}{4}$
(C) $\frac{18}{8}$ (D) $\frac{3}{2}$
- DIRECTIONS (Q41-Q44): The questions give four statements (A), (B), (C) and (D) of which one is incorrect. That is your answer.**
41. (A) 7630 is divisible by 5
(B) 73700 is divisible by 11
(C) 96321 is divisible by 3
(D) 10571 is divisible by 2

SPACE FOR ROUGH WORK

- (A) 42xN=7 (B) 42/7=N
(C) 42-N=7 (D) 42+N=7
11. A press produces 55552 Jacpot notebook in the year 2015. If the press supplies the notebook in 96 stationaries, how many notebook does each stationary recieve?
(A) 5787 (B) 7587
(C) 8577 (D) 7857
12. Find the value of (LY+LZ) - (LQ+LR) if m^LX and m^LP are 40° and 80° resp. in triangles XYZ and PQP:
(A) 60° (B) 80°
(C) 40° (D) 100°
13. 12 taps flowing at the same rate can fill aool in 1hr. How long will it take 5 taps to fill same pool?
(A) 2hr 4min (B) 2hr 14min
(C) 2hr 24min (D) 2hr 34min
14. 1kg of rice costs as much as 1.25 kg of wheat flour. Thoibi paid Rs 12.60 for 2kg of rice and 5 kg of wheat flour ?
- (A) Rs 1.68 (B) Rs 2.10
(C) Rs 8.40 (D) Rs10.50
15. Sanajaoba studies 1/4 of a book. If he further studies 60 pages, he would have studied 2/3 of the book. How many pages were there in the book?
(A) 12 (B) 36
(C) 96 (D) 144
16. Ngouba was told to multiplied 126 by 1/3. Instead he multiplied 126 by 1/2. The differnrce of his answer is
(A) 12 (B) 21
(C) 18 (D) 16
17. Complete
1, 4, 10, ____, 31.
(A) 19 (B) 20
(C) 16 (D) 21
18. There are 45 animals in a pet shop 2/3 of them are puppies, 6 of them are parrots and the rest are kittens. How many kittens are there in the pet shop?

SPACE FOR ROUGH WORK

- (3) -

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| <p>(A) 7 (B) 8</p> <p>(C) 9 (D) 10</p> <p>19. Area of rectangle is equal to area of square. If the length of the sides of square is 12m, find the length of the rectangle if the breath is 6m.</p> <p>(A) 8m (B) 6m</p> <p>(C) 7m (D) 15m</p> <p>20. Perimeter of an equilateral $\triangle ABC$ is equal to 3 times the perimeter of $\triangle PQR$ if AB=8cm. Find the perimeter of $\triangle PQR$.</p> <p>(A) 72cm (B) 24cm</p> <p>(C) 42cm (D) 84cm</p> <p>21. If Jan to june have three weeks and july to december have only four weeks only then what would be the appropriate days in a year? .</p> <p>(A) 314 days (B) 365 days</p> <p>(C) 232 days (D) none of these</p> <p>22. Mr A bought 460 eggs at ` 1500 and he sold these at ` 3 each and remaining at ` 4. Find his profit or loss.</p> | <p>(A) profit=` 54 (B) profit=` 40</p> <p>(C) Loss=` 54 (D) Loss=` 40</p> <p>23. Find the profit price if 'A' bought 450kg of rice at ` 20 per kg and sold at a profit of $11\frac{1}{4}\%$.</p> <p>(A) (B)</p> <p>(C) (D) ` 1012.50</p> <p>24. Choose the following fraction to be added to $\frac{1}{5} + \frac{4}{5} \times \frac{2}{3} \div \frac{4}{5}$ to get the whole number .</p> <p>(A) $\frac{2}{15}$ (B) $\frac{13}{15}$</p> <p>(C) $\frac{4}{15}$ (D) $\frac{12}{15}$</p> <p>25. Find the sum of the two number if 1st number is 2nd multiple of 8 and the 2nd number exceeds the 1st by 360.</p> <p>(A) 376 (B) 392</p> <p>(C) 360 (D) 400</p> |
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SPACE FOR ROUGH WORK

- (4) -

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| <p>26. How much will be subtracted to 1330 to get the remainder 0 if it is divisible by 45?</p> <p>(A) 45 (B) 29</p> <p>(C) 36 (D) 25</p> <p>27. If 1 litre of lemon drink contains 0.384 citric acid, how much citric acid is there in 8 litres of lemon drink?</p> <p>(A) 1152ml (B) 2304ml</p> <p>(C) 3072ml (D) 3702ml</p> <p>28. A man's annual income in 2008 was ` 50,000. It was increased by 15%, 20% and 30% respt. in 2009, 2010, 2011. Find his total increased amount</p> <p>(A) (B)</p> <p>(C) (D)</p> <p>29. Find the value of</p> $3\frac{4}{3} \times \frac{4}{6} \div 3\frac{2}{6} - 1\frac{1}{5} + \frac{16}{4}$ <p>(A) $\frac{63}{15}$ (B) $\frac{13}{3}$</p> | <p>(C) $\frac{26}{15}$ (D) none of these</p> <p>30. If $\frac{4}{5}$ of $2\frac{5}{2}$ of a sum of money is ` 4900, find the sum.</p> <p>(A) ` 612.50 (B) ` 2450</p> <p>(C) ` 4900 (D) ` 1225</p> <p>31. 3 thousandths + 2 thousands + 3 tens + 4 tenths + 3 ones = ?</p> <p>(A) 323.43 (B) 343.23</p> <p>(C) 233.403 (D) 2033.403</p> <p>32. Two 70 paise + four 30 paise + eight 50 paise = ?</p> <p>(A) ` 6.60 (B) 60 paise + 6 paise</p> <p>(C) ` 66.0 (D) 606 paise</p> <p>33. Rounded off the time 11:48 pm to the nearest 5 minute unit.</p> <p>(A) 11:50am (B) 11:50pm</p> <p>(C) 11:45am (D) 11:45pm</p> |
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SPACE FOR ROUGH WORK

49. An article is sold for ₹480. If the profit is one-fifth of its cost price, then C.P. is :

- (A) ₹440 (B) ₹420
(C) ₹400 (D) ₹384

50. A pot full of milk weighs 6.4kg. When half filled with milk, the pot weighs 3.4 kg. The weight of empty pot (in kg) is

- (A) 0.8 (B) 0.4
(C) 6.0 (D) 3.0

SPACE FOR ROUGH WORK

24thMV
(MATHEMATICS)

Time Allowed 1 hour

Maximum

Marks : 100

Read the following instructions carefully before you begin to answer the questions.

1. This booklet contains 50 questions in all.
2. All questions are compulsory and each question carries 2 marks.
3. Before you start to answer the questions you must check up this booklet and ensure that it contains all the pages 7(Seven) and see that no page is missing or repeated. If you find any defect in this Booklet, you must replace it immediately.
4. There will **NOT** be any negative marking for wrong answers.
5. You are required to fill the information on the answer sheet which you will get in the examination hall by **H.B. pencil or BALL point pen.**
6. **Answer Sheet** and **Question Paper** will be supplied in examination hall. After the test is over, you should hand over the answer sheet to the invigilator before leaving the room.
7. You should write your **Name, Roll No.**, carefully on the space provided in the answer sheet. Otherwise you will be awarded **ZERO** mark.
8. If you wish to change your answer, **ERASE** completely the darkened circle by using an **ERASER** and then blacken the new circle. If not erased completely, smudges will be left on the erased circle and the question will be read as having two answer and will be ignored for giving any credit.
9. Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
10. You are not allowed to leave the examination hall until you are advised to do so by the invigilator.