



K P S T A STATE ACADEMIC COUNCIL

USS Model Examination -2025

UE

PAPER I

Time : 1.30hrs

Malayalam AT, Malayalam BT , Maths

Total Marks : 45

INSTRUCTIONS

Candidates are advised to read the instructions given in the cover pages of Question Booklet and in the OMR Sheet very carefully.

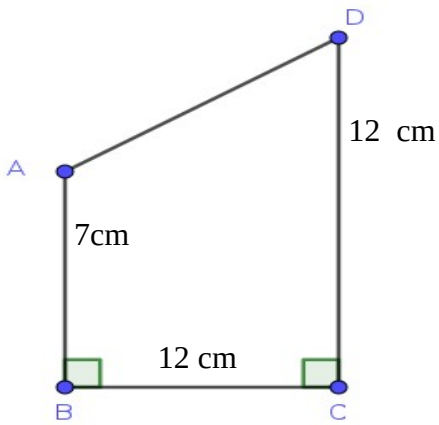
1. There is 'cool off time' of 15 minutes in addition to the writing time of 1 1/2 hrs. Time 9.30am to 11.30am
2. You are not allowed either to write the answer or to discuss anything with others during the "cool off time".
3. Use the 'cool off time' to get familiar with question and to plan your answers.
4. In paper I there are 50 questions. Among these answer 45 questions. Part A Malayalam AT-15 questions- answer all questions. Part B Malayalam BT – 15 questions- answer any 10 questions, Part C – Mathematics –20 questions answer all questions
5. There will be no negative marks
6. For answering questions, candidates are advised to follow instructions strictly given in the question paper and on the OMR Sheet
7. Fill in all entries on the top part of the OMR sheet before beginning to answer questions.
8. Use only Blue/Black Ball point Pen for answering questions on OMR answer sheet.
9. No, identification mark, other than where asked for, OMR answer sheet, is permitted. If done so, the OMR answer sheet is liable to be treated as cancelled.
10. Don't use back side of OMR answer sheet for rough work. For rough work use only the pages marked as rough work in the question paper booklet.
11. The candidate must return the answer sheet (OMR) to the invigilator before leaving the examination centre.
12. If you darken more than one circle, your answer will be treated wrong.
13. Cutting or overwriting in any box provided for answering question will be deemed to be an incorrect answer.
14. Don't rub, erase, cut, fold or overwrite on the OMR answer sheet.
15. Pen marking once made is final.
16. Use of white fluid or any other correction fluid to erase the pen marking once made is not permitted
17. In case of improper bubbling/erasing/whitening etc. the reading of the OMR machine will be taken as final and any arguments to defend which action will not be entertained.
18. Since the sheet will be processed by a machine, write and mark the circles in the appropriate space only.

Signature of Candidate

Signature of the Invigilator

PART C Mathematics

31. The average of 5 numbers is 20. If one number is removed, the average becomes 23. What is the removed number?
A. 8 B. 7 C. 6 D. 9
32. The sum of natural numbers from 1 to 30 is 465. What is the sum of natural numbers from 11 to 40?
A. 665 B. 820 C. 465 D. 765
33. If pipes A and B fill a tank in 30 minutes and 20 minutes respectively, how long will it take to fill the tank if both pipes are opened together?
A. 25 minutes B. 50 minutes C. 10 minutes D. 12 minutes
34. What is equivalent to $a + b - c$?
A. $a-(b-c)$ B. $a+(c-b)$ C. $a-(b+c)$ D. $a-(c-b)$
35. $\frac{1111}{3333} + \frac{222}{666} + \frac{33}{99} + x = \frac{4}{3}$ What is the value of x ?
A. $\frac{2}{3}$ B. $\frac{4}{7}$ C. $\frac{1}{3}$ D. $\frac{1}{4}$
36. How many parts is 58.351 of the number 58351?
A. $\frac{1}{100}$ B. $\frac{1}{1000}$ C. $\frac{1}{10}$ D. $\frac{1}{10000}$
37. If the length of a rectangle is 21 cm and the breadth is 29 cm, what is the area?
A. 420 cm^2 B. 441 cm^2 C. 841 cm^2 D. 400 cm^2
38. How many times must $\frac{2}{5}$ be multiplied to get 1?
A. $1\frac{1}{2}$ B. $1\frac{1}{4}$ C. $2\frac{1}{2}$ D. $2\frac{1}{4}$
39. $(y+n)-n=-----?$
A. n B. y C. $n-y$ D. $n+y$
40. $(5\frac{1}{2} \times 23)-(4\frac{1}{2} \times 23)= ---?$
A. 40 B. 23 C. 30 D. 60
41. What is half of $\frac{1}{100}$?
A. $\frac{1}{200}$ B. $\frac{1}{50}$ C. $\frac{1}{150}$ D. $\frac{1}{400}$
42. Which of the following is not a measurement of a right-angled triangle?
A. 3,7,6 B. 3,5,4 C. 6,8,10 D. 12, 5,13
43. If a number increases by 12 percent and becomes 560, what is the original number?
A. 480 B. 400 C. 520 D. 500
44. If the difference between 30% and 40% of a number is 1000, what is the number?
A. 4000 B. 5000 C. 6000 D. 10000
45. How many factors does $11^3 \times 10^4$ have?
A. 12 B. 20 C. 100 D. 110
46. If $2^x = 64$ what is the value of x ?
A. 3 B. 4 C. 5 D. 6
47. $\sqrt{.81} + \sqrt{.0081} + \sqrt{.000081} =$
A. 0.9 B. 0.09 C. 0.009 D. 0.999
48. What is the length of AD in the figure?

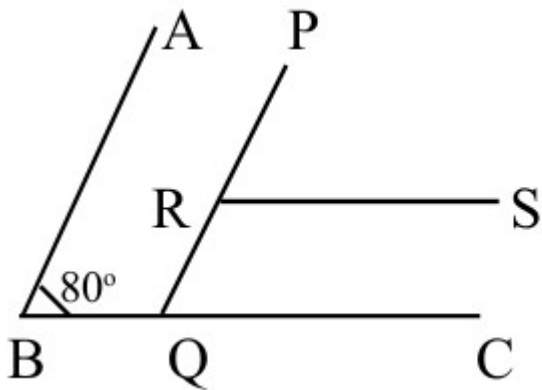


- A. 13cm B. 12cm C. 8cm D. 11cm

49 $2^5 + 2^5 + 2^5 + 2^5 = \dots\dots?$

- A. 2^{20} B. 8^5 C. 2^7 D. 4^{10}

50



In the figure $AB \parallel PQ$ and $BC \parallel RS$. Find the angle QRS.

- A) 80° B) 100° C) 90° D) 50°