



Time:- 3hrs

Final practical examination  
Yeshwant Mahavidyalaya seloo Dist - Wardha  
Subject - Math's - Session - 2025-26  
Class - XI<sup>th</sup> Science

Marks

(30)

Attempt any three. [15]

Q1 If  $\tan A = \frac{5}{6}$  &  $\tan B = \frac{1}{11}$  Prove that  $A + B = \frac{\pi}{4}$  (05)

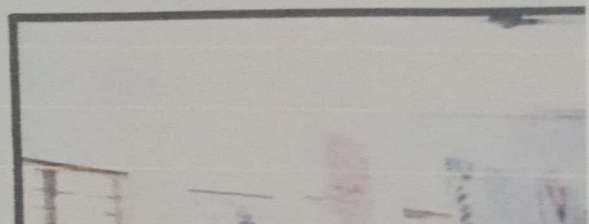
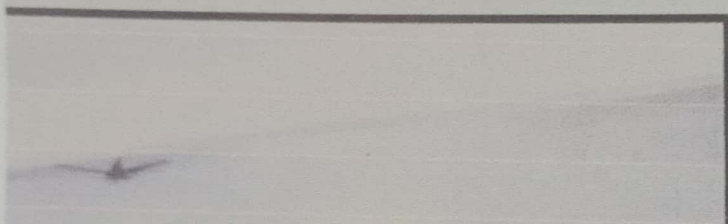
Q2 The Perimeter of a Sector of a circle of area  $64\pi$  sq cm is 56 cm. Find the area of a sector. (05)

Q3 If  $\log\left(\frac{x-y}{4}\right) = \log\sqrt{x} + \log\sqrt{y}$  show that  $(x+y)^2 = 20xy$  (05)

Q4 - Prove that  $\sqrt{2 + \sqrt{2 + \sqrt{2 + 2\cos x}}} = 2\cos\frac{x}{4}$  (05)



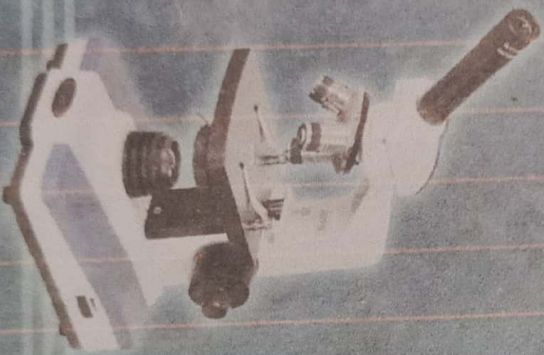








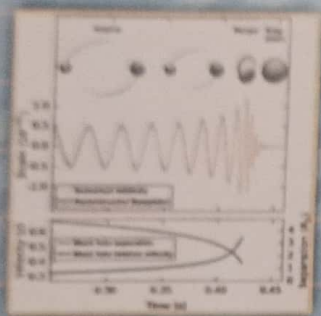
**BIOLOGY  
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STANDARD XI**



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**PHYSICS  
PRACTICAL  
NOTEBOOK  
STANDARD XI**



**PHYSICS**  
**Practical Notebook**  
**Standard XII**

