

MAR'02 Q.1.

a)

i- DISTANCE (G/c) = 3598'.5.

FOR DISTANCE FROM GOUGH ISLAND, NEED INITIAL COURSE  
AND VERTEX POSITION. OR Tan Lat L Formula.

INITIAL COURSE = S 67° 38'.1 E

VERTEX = 40° 53'.3 S

020° 42'.5 W

ii DISTANCE FROM GOUGH IS = D.LAT = 40° 20'S ~ 40° 23'S  
= 3' South.

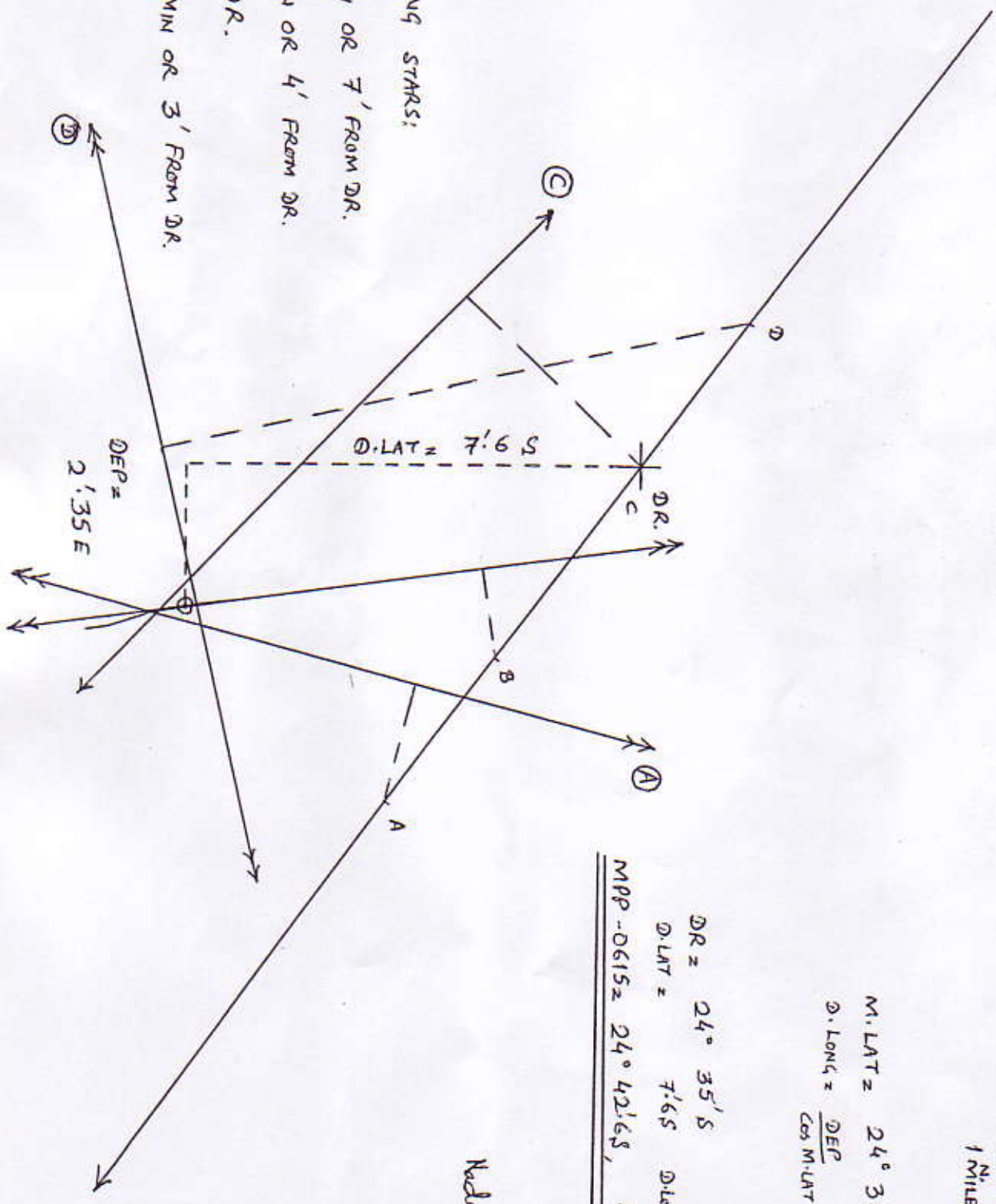
Nadeem

MAR '02

Q 2

POINTS FOR PLOTTING STARS:

- A = RUN ON 21 MIN OR 7' FROM DR.
- B = RUN ON 12 MIN OR 4' FROM DR.
- C = PLOT FROM DR.
- D = RUN BACK 9 MIN OR 3' FROM DR.



SCALE  
1 N. MILE = 1 cm.

↑ N

$$M.LAT = 24^{\circ} 38' 8 S$$

$$D.LONG = \frac{DEP}{\cos M.LAT} = \frac{2' 35}{\cos 24^{\circ} 38' 8} = 2' 6 E$$

$$DR = 24^{\circ} 35' S \quad 003^{\circ} 24' W$$

$$D.LAT = 7' 6 S \quad D.LONG = 2' 6 E$$

$$\underline{\underline{MPP - 0615 = 24^{\circ} 42' 6 S, \quad 003^{\circ} 21' 4 W}}$$

*Nidharshini*

127° T  
x 20 KTS.

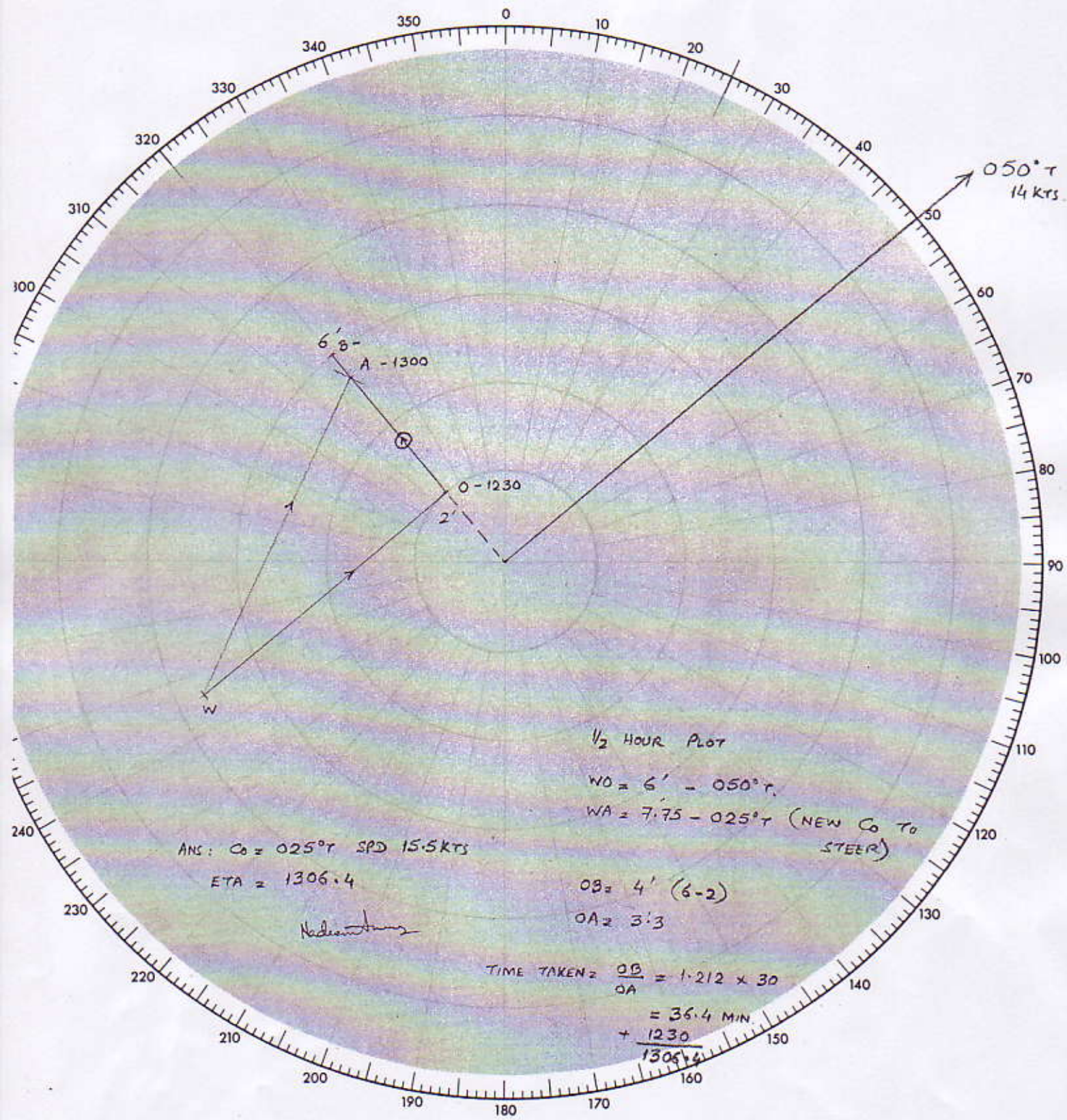
Q.3

MAR '02

Exn. 30E

TIME STUDIES

# EXAMINATION PLOTTING SHEET



(This is not a metric scale)

Signature of Candidate.....