

CES COLLEGE OF ARTS AND COMMERCE,
CUNCOLIM, SALCETE – GOA

SEMESTER END EXAMINATION OCTOBER 2019

Introduction to Cartographic Techniques

Class: F.Y.B.A
Semester: I
Subject: Geography (DSC) Practical

04/10/2019
Date: 28/10/2019
Duration: 2 Hours
Maximum marks: 25

- Instructions:** 1) All questions are compulsory.
2) Use of calculator is allowed.
3) Draw diagram / sketches wherever required.

Q.1 A) Fill in the blanks:

(2 marks)

- i) 3 feet is equal to _____ inches.
- ii) 30 millimetres is equal to _____ centimetres.
- iii) 70,000 meters is equal to _____ kilometres.
- iv) 9 miles is equal to _____ furlongs.

B) Draw a neat labelled diagram to show the network of latitudes and longitudes and distinguish the same:

(3 marks)

Q.2 A) Find out the area of Satari taluka by square method with a scale of 1cm= 5km.

(2 marks)

B) Calculate and prepare reduction map of Quepem taluka when the original scale is 1:6000 and the new scale is 1:10000.

(3 marks)

OR

C) Calculate and prepare an enlargement of the Ponda taluka, with the original scale=1:11000 and new scale= 1:7000, with the side of the original square= 2cms.

Q.3 A) Draw a linear scale for the following: (any2)

(2 marks)

- i) 1 inch= 25 miles
- ii) 2cm = 6.5 km
- iii) 1 cm = 15 meters

B) Calculate and draw a comparative scale for the following.

(2 marks)

A bus is moving at a speed of 30 kilometres per hour from place X to Y. The map distance between X and Y is 6 cm and the map scale is 1cm= 30 km. Calculate the ground distance and the time taken to reach from X to Y. Draw a time and distance scale for the same.

Or

C) Construct a comparative scale having the R.F. 1:4,00,000 and draw a scale to show kilometres and miles

Q.4 A) Convert the following verbal scale to representative fraction **(2 marks)**

- i) 1 cm = 6.5 km ii) 1 inch = 5 miles iii) 1 cm = 5000 mtr iv) 1 inch to 5280 feet

B) Convert the following representative fraction to verbal scale. **(2 marks)**

- i) 1: 900000 ii) 1: 790 iii) 1: 36 iv) 1: 63360

B) Calculate the time difference for the following: **(any 2)** **(2 marks)**

- i) What would be the day, date and time at 170° east when it is 04 pm at 0° on Friday 21/06/19.
- ii) Find out time at California 110° when it is 2 pm at Cape Town 18°E.
- iii) Calculate time at Mumbai 74°E when it is 12 pm at Kolkata 88°E.
- iv) Calculate time at 50°E when it is 9.00 am at 10°E

Q.NO.5) Journal and Viva-Voce. **(5 marks)**

THE END