



Prabodhan Education Society's  
Vidya Prabodhini College of Commerce, Education, Computer and Management Parvari-Goa  
S.Y.B.A.B.Ed. (GEOGRAPHY)  
THIRD SEMESTER END PRACTICAL EXAMINATION OCTOBER 2016  
PRACTICAL IN CARTOGRAPHIC TECHNIQUES

Time 3 Hours

Total Marks: 50

- Instructions**
1. Q.1, Q.5 and Q.6 is compulsory
  2. Solve any Two from Q.2 to Q.4
  2. Figures to the right indicate full marks.
  3. Draw map, sketch and diagrams wherever necessary

- Q.1 Answer the following (Any Two) (10)**
- A. What is relief? Explain the various method of relief feature representation
  - B. Discuss the major types of projection with suitable example
  - C. Define the projection and its need
- Q.2 Draw a simple Cylindrical equal-area projection with following information and explain the properties (10)**
- A. Map Scale: R.F. = 1: 25,00,00,000
  - B. Latitudinal interval = 15°
  - C. Longitudinal Interval = 30°
  - D. Projection extent = Whole World
- Q.3 Draw a Conical projection with one standard parallel by using following details and explain the properties (10)**
- A. Map Projection: R.F. = 18,00,00,000
  - B. Latitudinal Interval = 15°
  - C. Latitudinal extent 15° to 75° North Latitude
  - D. longitudinal Interval = 15°
  - E. Longitudinal extent = 0° to 120° East and West
  - F. Standard parallel = 45°
- Q.4 Draw a Zenithal orthographic projection by using following information and explain the properties (10)**
- A. Map scale : R.F. = 1: 35,00,00,000
  - B. Latitudinal Interval = 15°
  - C. Longitudinal Interval = 30°
  - D. Latitudinal Extent = 0° to 90° South
- Q.5 Draw the profile features by using contour lines (Any Two) (10)**
- A. Hills
  - B. V shaped Valley
  - C. Mesa
  - D. Fiord Coast
- Q.6 Journal and Viva (10)**



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Vidya Prabodhini College of Commerce, Education, Computer & Management  
Vidyanagar, Alto-Parvari, Goa

**SEMESTER END EXAMINATION – OCTOBER 2016(Regular/Repeat)**

**Sub:** Geography

**Title :-** Introduction to Cartography

**Class :-** F Y B.A.B.Ed.

**Semester:** I

**M. Marks:** 50

**M. Time:** 3 hours

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- Instructions :-**
1. All questions are compulsory.
  2. Figures to right indicates full marks .
  3. Use of map stencil and calculators are allowed.
  4. Draw sketches/ diagram wherever necessary

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- 2 Marks
- Q 1. Draw a neat diagram to show important latitude of the planet earth
- Q 2. Find out the following. 8 Marks
- A) It is time 8 am at  $40^{\circ}$  E on Monday . What will be time on  $90^{\circ}$  E.
  - B) If the time at Greenwich is 7.00 pm on April 10. What will be the longitude at which the time is 1.00 am on April 11 ?
  - C) The longitude of place A is  $90^{\circ}$  W. It is 2.00 pm according to local time. What will be the time at place B situated  $40^{\circ}$  W ?
  - D) It is time at Greenwich is 5.00 am , What will be the longitude at which the time is 1.00am?
- Q 3. On the supplied map of India show following. 4 Marks
- A) The longitude that determine Indian Standard time (IST)
  - B) Give longitude and latitude extent of Goa.
- Q 4. Define Map and write characteristics of Maps 4 Marks
- Q 5. Write any four characteristics of Longitude. 2 Marks
- Q.6 A) Distance between two point on a map is 5 cm . The distance between same two point on ground is 2.50 km . find out RF and construct a plain scale showing km and meters. 4 Marks
- B) Draw a plain scale in km and meter for RF 1: 50 000 and write in verbal scale.
- Q 7. Do as directed. 4 Marks
- A) Convert the following RF scale into statement scale.
    - i) 1: 50 00 000 (Metric System)
    - ii) 1: 30 00 000 (Metric System)
    - iii) 1 : 506880 (British System)
    - iv) 1: 25344 (British System)



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2. Figures to right indicates full marks .

3. Use of map stencil and calculators are allowed.

4. Draw sketches/ diagram wherever necessary

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- Q 1. Draw a neat diagram to show equator, tropic of Capricorn, South Pole and Arctic circle of the planet earth. 2 Marks
- Q 2. Find out the following. 8 Marks
- A) It is time 5 am at  $50^{\circ}W$ . What will be time at  $120^{\circ}W$  ?
- B) If the time at Greenwich is 8.00 am. What will be the longitude at which the time is 1.00 pm ?
- C) The longitude of place A is  $100^{\circ}E$ . It is 4.00 pm according to local time. What will be the time at place B situated  $50^{\circ}E$  ?
- D) What is the longitude of a place it is 4.00 pm. While the time at Greenwich is 1.00 pm on same day ?
- Q 3. On the supplied map of India show following. 4 Marks
- A) The longitude that determine Indian Standard time (IST)
- B) Give longitude and latitude extent of Maharashtra.
- Q 4. Define globe and write characteristics of globe. 4 Marks
- Q 5. What is latitude ? Write any four characteristics of latitude. 2 Marks
- Q.6 A) The scale of map is 2 cm to 1 km . Find out the RF and draw a plain scale for map. 4 Marks
- B) Draw a plain scale in km and meter for RF 1: 100 000 and write it in verbal scale.
- Q 7. Do as directed. 4 Marks
- A) Convert the following RF scale into statement scale.
- i) 1: 18 00 000 (Metric System)
- ii) 1: 22 00 000 (Metric System)
- iii) 1 : 253440 (British System)
- iv) 1: 316800 (British System)