

Bago University
Department of Geography
First Semester Examination, March 2019

First Year (B.A)
(Geography Specialization)

Geog.1102
Map Work and Basic Techniques I
Time allowed (3) hours

Answer the All questions. Illustrate your answer with sketch maps and diagrams wherever necessary.

1. Given a magnetic declination of 5° E and a grid declination of 2° W, convert the following:

- (a) Magnetic bearing S 10° W to grid azimuth.
- (b) Grid bearing S 30° W to magnetic bearing.
- (c) Grid azimuth 330° to magnetic bearing.
- (d) Magnetic azimuth 340° to grid azimuth.
- (e) Grid bearing S 10° E to magnetic azimuth.

2. (a) Construct the open-divided scale diagram to read 500 yards with the scale of 2 inches to 3 miles.

(b) Using the above scale diagram draw a plan map of the following:

	Direction (True Azimuth)	Distance
From Cafe to Monastery	130°	12000 yards
From Cafe to Bridge	240°	6000 yards

(c) Find the distance and direction (true azimuth) from Bridge to Cafe.

3. Represent the major import in the Myanmar in 2008-2009 and 2010-2011, by mean of Comparative Circle with Sector Method.

Crop	Chemical Fertilizers (Metric Ton)	
	2008-2009	2010-2011
Paddy	291673	325577
Sesamum	7808	18708
Sugarcane	6996	12525
Sunflower	3914	20367
Total	354797	440741

4. Represent the following statistics on the given semi-log graph.

Sown acreage of selected crops by Ayeyarwady Region (Thousand Acres)

Year	Rubber	Coconut	Medicinal Plants
2000	1084	42192	19
2001	1375	42560	19
2002	1495	43360	19
2003	1613	48965	18
2004	2066	51008	32
2005	1973	52729	42
2006	2310	54968	29
2007	2310	56569	29
2008	2486	58027	19
2009	7364	60355	29
2010	12000	60400	45

5. Using the scale 1 square centimeter to 10,000 people, illustrate the following statistics Graphically on the given map by mean of square method.

Division	Population
Mandalay	20166
Magway	41259
Bago	84556
Yangon	23414
Ayeyarwady	31556
