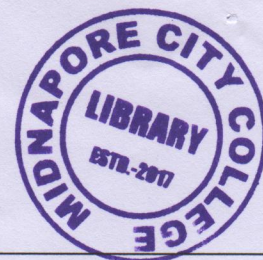


Second Semester Examination-2018

Acc No. QP 52

M.Sc. GEOGRAPHY

Paper Code: GEO-205



Full Marks : 25

Time: 2 Hours

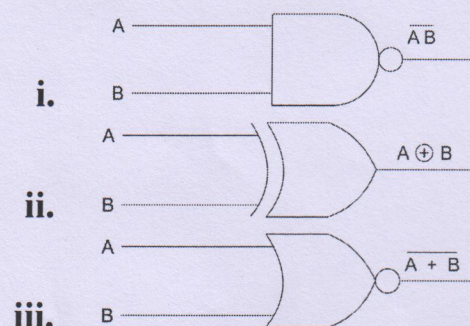
Unit-21

Computer Basics and Applications

Answer All The Question:

1. Convert the following from binary to decimal: 3
- i) 11001010
- ii) 10011
- iii) 0011011

2. Identify and prepare a truth table for the following logic gate: 3



3. i) Write a short note on system software. 2+3
- ii) What are the main parts of CPU and mention their function.

4. Make a regression, table of the following data using SPSS.

Per-capita health expenditure and percentage of – one year old that are fully immunized in ten selected countries are given below:

Country	Per-capita health exp. (in US\$)	% of fully immunized one year old
Indonesia	113	82
Vietnam	164	96
Srilanka	121	99
China	278	94
Thailand	260	99
India	82	73
Bangladesh	58	95
Pakistan	48	80
Mayanmar	51	85
Nepal	64	85

5. Draw trend line by 3 – year moving average from the given wheat production of India during 1995-1996 to 2004-2005 using Ms-Excel. 4

Year	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
Wheat-production (Lakh tons)	620	690	665	711	707	685	715	600	720	740

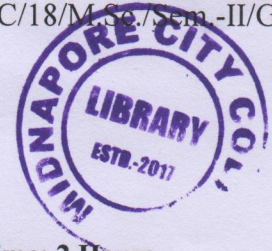
6. Laboratory note book and viva-voice

5

Acc No.

Second Semester Examination-2018**M.Sc. GEOGRAPHY**

Paper Code: GEO-205



Full Marks : 25

Time: 2 Hours

Unit-22**Sedimentological Analysis****Answer all the question:**

1. Estimate the roundness index of given sixes of sediments (5 Nos.) and plot them into a histogram. 4+1=5
2. Draw a log of depositional preserve of fluvial environment on sedlog software title as "Fluvial D" with 5 no. of beds sequentially arrange from bottom to top as follow – 6+2=8
- i) Very coarse sand to coarse sand base to top with 65 cm planar cross bed dip 42° tilted 165° .
- ii) Medium grain size hummocky cross structure with thickness.
- iii) Medium to coarser through bed structures with 53cm.
- iv) Fine to Medium 32 cm. horizontal bed structure with erosional base boundary.
- v) Very fine to fine 45 cm cross ripple lamination with tilted 135° save the log as PDF format against your roll no. and given folder. Interpret the log in relation to its depositional process and environment.
3. Following is the weight of different grain sizes of sediments measured by sieve method in the laboratory. Estimate the gross weight (gm) of sediment sizes in percentage weight (%) and plot them into frequency curve, and interpret the nature of sediment. 3+3=1=7

ASTM No.	Sieve Size (mm)	Weight (gm)	Weight (%)
10	>2.0	1.002	
12	1.41	4.226	
15	1	12.355	
18	0.71	14.254	
30	0.50	18.956	
35	0.35	20.995	
45	0.25	17.251	
60	0.17	7.502	
80	0.13	1.556	
120	0.08	1.215	
170	0.05	0.512	
PAN	<0.06	0.136	
Total		100	