SH-III/GEO-305/SEC-1(P)/19

B.Sc. 3rd Semester (Honours) Examination, 2019-20

GEOGRAPHY

Course ID : 31925 **Course Code : SH/GEO305/SEC-1**

Course Title: Computer Basics and Computer Applications

Time: 4 Hours **Full Marks: 40**

The figures in the right hand side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all questions.

SET-III

1. (a) What is the difference between operating software and application software? 2

(b) Define Binary number system. 2

(c) Convert binary 101101 into decimal and decimal number 39 into binary number. 2

(d) What do you mean by Spread sheet? 2

(e) What do you know about cloud computing? 2

2. (a) Marks obtained by 20 students in Geography paper are given in the following table. Find out the GRADE of each student with the help of the mentioned scale using Microsoft Excel. 6

Roll No.	Marks Obtained	Roll No.	Marks Obtained	Roll No.	Marks Obtained	Roll No.	Marks Obtained	GRADE SCALE
01	81	06	69	11	72	16	78	≥ 90 = A
02	77	07	85	12	87	17	62	< 90–≥ 80 = B
03	92	08	74	13	91	18	74	< 80–≥ 70 = C
04	78	09	66	14	63	19	69	< 70–≥ 60 = D
05	62	10	52	15	77	20	74	< 60–≥ 50 = E

(b) Table shows the decadal changes of population of India from 1901-2011 census. Draw a time series graph from the given data.

Census Year	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001	2011
Population (in Million)	238	252	251	278	318	361	439	548	683	846	1024	1208

Also draw a lrend tine in the same graph. 4

3. The following table shows the area and population of the C.D.Blocks of Bankura District (10 selected blocks).

Sl. No.	Name of the C.D. Blocks	Population	Area (Sq. Km)
1.	Indus	132344	255·10
2.	Bishnupur	171414	419·01
3.	Ranibandh	93748	428·40
4.	Barjora	159060	393·40
5.	Onda	191078	502·20
6.	Simlapal	111308	309·20
7.	Bankura-I	199313	186·70
8.	Mejia	69297	162·90
9.	Chatna	156147	441·00
10.	Taldangra	111573	349·70

Bases on the given data using excel—

(a) Calculate Population Density of the given districts. 2

(b) Rank Population Density data from highest (1) to lowest (10). 2

(c) Calculate Mean, Median, Mode and Standard deviation from the population density data. 4

(d) Arrange the district names in alphabetical order. 2

4. Laboratory Notebook 5

5. Viva voice 5

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