

Roll No _____ (To be filled in by the candidate)

(Academic Sessions 2014-2016 to 2016-2018)

218-(INTERMEDIATE)

**COMPUTER SCIENCE
PRACTICAL**

GROUP - 11

Time Allowed : 3 hours

Maximum Marks : 50

Section-I (Part-I)

Note: 1. Perform the practical of the following questions on the Computer

- Write down the stepwise procedure/program on the Answer Sheet provided in first **one hour** of each selected problem from Q#1, Q#2 & Q#3. Return Answer sheet back to examiner even not a single Question was attempted after **first hour**.
- The procedure carries 5 marks for each Question 1 & 2.
- The performance carries 6 marks for each Question 1 & 2.

MS-WORD

Q #1 Prepare the following document in the same format and save it against your Roll number. 6

Provisional Marks Certificate BA/Bsc (Hons) 2018

Mr./Ms _____ S/D/ of _____ University Roll No: _____

Registration Number:	Year-1	Year-11	Project/Thesis		
_____ -15-2018	Core Subjects	Elective Subjects	Title:		
Max. Marks					
Marks Obtained					
External Examiner's Remarks			Approved	yes	No

OR

DATA TYPES USED IN C-PROGRAMMING

Data Type	Size in bytes	Storage Range	Remarks
Integer	16 bit (2 bytes)	-32768 to 32767	C reserved word
Float	32 bits (4 bytes)	10^{-38} to 10^{38}	The key float is in lowercase.
Character	8 bit(1 byte)	-128 to +127	C reserved word
Unsigned int	16 bit (2 bytes)	0 to 65535	C reserved word

(Turn Over)

(2)

MS-EXCEL

Q#2 Prepare the following worksheet and save it against your Roll number.
Perform as directed

6

- Enter sample data in 1st, 2nd & 3rd Columns for at least five consumers.
- Use formula to calculate Gas Consumed = present Reading – Previous Reading
- Use formula to calculate Gas Charges according to the following gas rates for each consumer.
 - 0001 to 999 (hm3) @ Rs.2.50 per/ 1000 (hm3)
 - 1000 to 1999 (hm3) @ Rs.4.50 per/ 1000 (hm3)
 - 2000 to 2999 (hm3) @ Rs.6.25 per/1000 (hm3)
 - 3000(hm3) and above @ Rs.8.00 per/1000(hm3)
- COMPUTE THE GST (General Sales Tax) as 17% of Gas Charges.
- Compute Due Amount as Due Amount= Gas Charges +GST

Sui-Northern Gas Pipeline Limited

Consumer Bill (Commercial) for the Month of July 2018

Consumer Name	Pervious Reading	Present Reading	Gas (hm3) Consumed	Gas Charges	GST @17%	Due Amount
Talha	15000	35000	formula	formula	formula	formula
Muneeb	34000	43210	formula	formula	formula	formula
Ayaz	54320	76540	formula	formula	formula	formula

OR

Prepare the following worksheet and save it against your Roll-number.

6

Perform as directed

1. Enter sample data in columns 2, 3, 4 and 5 for at least three candidates.
2. Apply formula to calculate **Total Score** (Admission Test + Interview + Academics)
3. Apply formula for Status (Admitted/Not Admitted) column according to criteria.

Admission will be granted to these candidates who will obtain at least 60% marks in Admission Test and their interview Score should be ≥ 15 .

Imperial School of Computer Science

Result Card June 2018 of BS (Software Engineering)

Sr.No	Admission Test Roll No	Admission Test (out of 30)	Interview (Out of 30)	Academics (Out of 40)	Total Score (Out of 100)	Status
1	xxx-00-000	23	18	32	Formula here	formula
2	xxx-00-000	24	14	34	Formula here	formula
3	xxx-00-000	29	16	24	Formula here	formula

(Contd....P/3)

(3)

Section-II (Part-II)

Note: Attempt either from C-Language or from Visual Basic.

C-Language

Q3. Write down the C-Language program (not the procedure) of the selected Question on the provided Answer sheet in first one hour (at the start of the practical) **12**

Write a program that takes temperature as an input from the user in Celsius and convert it into Fahrenheit using formula $(F=9/5*C+32)$

OR

Write a program in C-Language that display the following pattern on the output window/Console using nested loop.

```
#   #   #   #
    #   #   #
        #   #
            #
```

Q#4 Compile, Debug and execute the selected program of Q#3 in any of the following tools turbo C or Borland C or Visual Studio. Show the output/results to Examiner. **10**

VISUAL BASIC

Q#3 Write down the visual Basic program (not the procedure) of the selected Question on the provided Answer sheet in first one hour (at the start of the practical). **12**

Develop a project in Visual Basic Language that takes a 3-digit single integral value (100-999) as input from the user. Then program will determine whether the enter number is palindrome or not.

Note: A number is said to be palindrome if number will remain same when reversed e.g. 552 is not a palindrome because $552 \neq 255$ but 121,555,909....are palindrome because $121=121, 555=555, 909=909$.

OR

Write a program in C-Language that display the following pattern on the output window/Console using nested loop.

```
#   #   #   #
    #   #   #
        #   #
            #
```

Q#4 Compile, Debug and Execute the selected program of Q#3 in any of the following tools turbo C or Borland C or Visual Studio. Show the output/results to Examiner. **10**

3+3=6

Q#5 Viva Voce

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