**Q.1**

**Pseudocode**

START

INPUT the order from customer

Biryani add on

IF add on THEN

SET price TO 900

PRINT the price

END

**Algorithm**

**STEP 1:** Start the process of taking order.

**STEP 2:** Receive order from the customer

**STEP 3:** Ask for add on or special request.

**STEP 4:** For add on request, send him to special counter.

**STEP 5:** If he is ordinary customer, print the bill.

**Q.2**

**Pseudocode**

START

INPUT cheque FROM customer

SET account TO 9000

IF cheque equal or less THAN account

INPUT amount to be deposited

PRINT cheque

ELSE

PRINT ‘insufficient amount’

END

**Algorithm**

**STEP 1:** Input the cheque from customer

**STEP 2:** Check the amount mentioned in cheque

**STEP 3:** Check the amount in account

**STEP 4:** If the amount in cheque is less than account

**STEP 5:** Ask for the amount of money to be deposited.

**STEP 6:** Output that amount

**STEP 7:** If the cheque is greater than amount

**STEP 8:** Output ‘insufficient balance’.

**Q.3**

**Pseudocode**

START

INPUT number 1

INPUT number 2

INPUT number 3

IF number 1 is greater than number 2 THEN

IF number 1 is greater than number 3 THEN

PRINT number 1 greatest

ELSE

PRINT number 3 greatest

ELSE

IF number 2 greater than number 3 THEN

PRINT number 2 greatest

END

**ALGORITHM**

**STEP 1:** Start the process

**STEP 2:** Take input of three numbers A, B and C

**STEP 3:** If A is greater than B and A is greater than C then output A is greatest.

**STEP 4:** If B is greater than C then output B is greater.

**STEP 5:** Output C is greater

**Q.4**

**Algorithm**

**STEP 1:** Start the process

**STEP 2:** Input the number 1 and 12

**STEP 3:** Validate the range between 1 and 12

**STEP 4:** Map the month in serial order

**STEP 5:** Output the month corresponding to the number entered

**Q.5**

**Pseudocode**

START

INPUT number 1

INPUT operator (+ or -)

INPUT number 2

IF operator is +

PRINT SUM of number 1 and number 2

IF operator is –

PRINT difference between number 1 and number 2

END

**Q.7**

**Algorithm**

**STEP 1:** Input a number 1 and number 2.

**STEP 2:** Input any operation like (+, -, \*, /) on a number to be applied.

**STEP 3:** If operation is + then add two numbers

**STEP 4:** If operation is – then make a difference of two numbers.

**STEP 5:** If operation is \* then make a product of two numbers.

**STEP 6:** If operation is / then divide two numbers.

**STEP 7:** Output the answer after applying operation.

**Q.9**

.gitignore file is used in a git repository to ignore the files and directories which are unnecessary to project this will be ignored by the git once the changes have been committed to the Remote repository. The type of file which will get ignored are mainly temporary files and the files which should not be versioned.

**Q.10**

* An algorithm is defined as a well-defined sequence of steps that provides a solution for a given problem, whereas a pseudocode is one of the methods that can be used to represent an algorithm.
* While algorithms are generally written in a natural language or plain English language, pseudocode is written in a format that is similar to the structure of a high-level programming language. Program on the other hand allows us to write a code in a particular programming language.
* There are no rules to write algorithms but there are certain rules to write pseudocode.
* Algorithm can be considered as pseudocode but pseudocode can not be considered as algorithm.