SUBJECT CODE NO:- B-2077
FACULTY OF SCIENCE
B.Sc. T.Y.(Sem-V) Examination Oct/Nov 2016
Computer Science Paper Code – CS015
(Software Engineering) (Revised)

Time:[1:30 Hours]   [Max. Marks: 50]

N.B

Please check whether you have got the right question paper.
i) Attempt all questions.

Q.1

a) Define software? Explain characteristics of s/w in detail?   10
b) Differentiate between product and process.   10

OR

c) Explain waterfall model with suitable diagram   10
d) Explain planning principles.   10

Q.2

a) What is an agile process? Enlist agility principles?   10
b) Explain principles that Guide the process?   10

OR

Write short notes on (any four)   20
a) Personal software process (PSP)
b) Enlist communication principles
c) Industrial XP
d) SDLC model
e) Problem portioning
f) Spiral model.

Q.3

Fill in the blanks and rewrite them.   10
1) Software engineering is a ------ technology.
   a) Wired   b) wireless   c) layered   d) layer less

2) The waterfall model, sometimes called ------ model.
   a) Class based   b) confidential   c) classic life cycle   d) Basic cycle

3) Software is developed or engineered it is not ------ in classical sense.
   a) Manufactured   b) logical   c) artificial   d) managed

4) The foundation for software engineering is the ------
   a) Product   b) human   c) effort   d) process layer.

5) The incremental model combines elements of linear and ------ process flows.
   a) Single   b) double   c) parallel   d) multiple

6) ------ is actually a process of elaboration.
   a) Working   b) finding   c) taking   d) refinement

7) Requirement analysis is an ----- process.
   a) Single   b) Iterative   c) multiple   d) none of these

8) ------- is considered to be collection of executable programming code, associated libraries and documentations.
   a) Hardware   b) process   c) method   d) software

9) In ------ development, lengthy documentation is created.
   a) Fertile   b) soil   c) agile   d) versatile

10) ------ Model is originally developped by Barry Bohem.
   a) Incremental   b) Iterative   c) spiral   d) viral

SUBJECT CODE NO:- B-2117
FACULTY OF SCIENCE
B.Sc. S.Y[Sem-III] Examination Oct/Nov 2016
Computer Science Code - CS07 (VII)
Advance C Programming
(Revised)

[Time:1:30 Hours]   [Max. Marks: 50]

N.B   Please check whether you have got the right question paper.
                           All questions are compulsory

Q.1   a)   What is structure? Explain different structure and union.   10
           b)   Write a program in C programming language to draw rectangle   10

                                              OR

           a)   What is pointer? Explain the different methods of pointer   10
           b)   What is function? Explain command line argument in C.   10

Q.2   a)   What is union? Explain union concept with suitable examples   10
           b)   Explain file handling functions in C with examples.   10

                                              OR

Write short notes on (Any four)   20

           a)   Random access function   b) String handling function
           c)   Getchar() and putchar()   d) Fread() and fwrite()
           e)   Typedef statements   f) Fucnction declaration in C

Q.3 Multiple choice questions: 10

1)   Structure is the name given to group of _____ variables
     a) Natural   b) Same   c) Different   d) All
2)   Call by value method of function passing of variable to function
3)   Strlen() function used for
     a) Copy   b) address   c) original   d) formal
     a) Lesson of char   b) length of char   c) local of char   d) base of char
4)   Every C program must have _____ functions
     a) Main   b) int   c) float   d) void
5)   Structure within structure is
     a) Netting   b) nesting   c)) block   d) group
6)   Variable that holds memory address is
     a) Memory   b) data   c) pointer   d) operator
7)   _____ function gives current position in File
     a) Fseek()   b) pseek ()   c) file()   d) all
8)   An array of pointer is same as pointer to
     a) Array   b) pointer   c) function   d) structure
9)   _____ is self contained block of code that performs a specific task
     a) Function   b) data   c) union   d) none
10) In order to use this function we need to involve it at a required place in program is called
     a) Function declaration   b) function call   c) function definition   d) all of above