

Seat No. : _____

ND-110

November-2021

BCA., Sem.-V

301 (A) : Software Project Management (New)

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (1) All questions in **Section – I** carry equal marks.
 - (2) Attempt any **Two** questions in **Section – I**.
 - (3) Question – **5** in Section – **II** is **COMPULSORY**.

Section – I

1. (A) Give the difference between Software Project and other types of projects. **10**
(B) Define Stakeholder. Explain the categories of stakeholders. **10**
2. (A) Explain Albrecht Function Point Analysis. **10**
(B) Explain Waterfall model in detail. **10**
3. (A) Explain Risk Planning. **10**
(B) Draw the activity of node network diagram for the following problem. Find critical path and total duration. **10**

Activity	Duration(Days)	Precedents
A	4	–
B	2	A
C	5	A
D	3	A
E	4	D
F	3	D
G	3	C
H	3	E
I	2	F
J	6	B
K	5	–
L	5	A, K

4. (A) List out nature of resources and explain them in brief. **10**
(B) What is Contracts ? List out types of contracts. Explain fixed price contract. **10**

Section – II

10

5. MCQs :

- (1) $CPI = \frac{\quad}{\quad}$.
 - (a) EV, AC
 - (b) AC, EV
 - (c) AC, PV
 - (d) EV, PV
 - (2) _____ Package is known as shrink-wrapped software.
 - (a) Off-the-shelf
 - (b) bespoke
 - (c) Customized-off-the-shelf
 - (d) None of above
 - (3) _____ is a method of reported progress by recording on the chart by shading activity bars.
 - (a) 0/75
 - (b) Timeline chart
 - (c) Percentage
 - (d) Gantt chart
 - (4) A very jagged slip line indicates need for _____.
 - (a) Redrawing
 - (b) Recalculating
 - (c) Rescheduling
 - (d) None of above
 - (5) The total service time divided by the number of failures is known as _____.
 - (a) Availability
 - (b) Mean time between failure
 - (c) Failure on demand
 - (d) Supporting activity
 - (6) WTO stands for _____.
 - (a) World Trade Organization
 - (b) World Traditional Organization
 - (c) World Trade Object
 - (d) None of above
 - (7) _____ is a method for calculating 'loss' in days rather than money.
 - (a) Analogy
 - (b) Surrogate
 - (c) Both (a) & (b)
 - (d) None of above
 - (8) $Effort = \frac{\quad}{\quad} * \frac{\quad}{\quad}$.
 - (a) System Size, Productivity Rate
 - (b) System Size, Project Size
 - (c) Project Size, Productivity Rate
 - (d) None of above
 - (9) Which is not of risk planning task ?
 - (a) Risk acceptance
 - (b) Risk avoidance
 - (c) Risk reduction
 - (d) Risk deduction
 - (10) Which is not a category of resources ?
 - (a) Labour
 - (b) Equipment
 - (c) Service
 - (d) Software
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