	B.M.S. COLLEGE OF ENGINEERING, BANGALORE-19 (Autonomous Institute, Affiliated to VTU) Department Name: Computer Science and Engineering

INTERNALS		
Course Code : 20CS5HSSPM	Course Title : Software Project Management and Finance	
Semester : 5	Maximum Marks: 40	Date: 24/10/2020
Faculty Handling the Course: Pradeep S, Rekha G S		
Instructions: *Part A and Part B are compulsory.Internal choice is provided in Part C.*		

PART-A

No Choice

No.	Question	Marks
1	List and explain the factors that affect the success of a Project.	5

PART-B

No choice

No.	Question	Marks
2a.	Your association is thinking about running a venture which will involve a speculation of $1,000,000. The item from the venture is determined to make incomes of $250,000 in the primary year after the end of the venture and of $420,000 in each of the two after years. Calculate the NPV and analyze NPV value to answer which of the answer is valid for the net present estimation of the venture over the three years cycle at a rebate rate of 10%? A. The net present value is positive, which makes the project attractive. B. The net present value is positive, which makes the project unattractive. C. The net present value is negative, which makes the project attractive. D. The net present value is negative, which makes the project unattractive.	5
2b.	Discuss the importance of scoring Matrix. Consider the scoring matrix given below: The allocated Budget is 50,000. Budget for Project #1, Project #2, Project #3, Project #4 are 30,000, 20,000,10,000 and 10,000 respectively. Calculate the Scores for all the Projects and analyze which project can be funded by a company and Justify your Answer.	5
2c.	Assume you are a Project Manager in a company. You are facing some problems like bad attitude of team members and less desire to work and also less support from upper management. Analyze how this environment affects the Project completion and also list the responsibilities of a Project Manager in this situation to complete the project on time.	5

Criteria	Unique	Innovative	ROI
Weight	**5**	**4**	**2**
Project #1	8	7	3
Project #2	2	2	8
Project #3	0	9	6
Project #4	0	8	7

PART- C

No.	Question	Marks

<table>
<tr><td>3a.</td><td>The table below shows the cash flow forecasts for 2 projects:
<table><tr><th>Year</th><th>Project A</th><th>Project B</th></tr><tr><td>0</td><td>-9000</td><td>-11000</td></tr><tr><td>1</td><td>5000</td><td>3000</td></tr><tr><td>2</td><td>5000</td><td>3000</td></tr><tr><td>3</td><td>3000</td><td>7000</td></tr><tr><td>4</td><td>2000</td><td>3000</td></tr><tr><td>5</td><td>1000</td><td>3000</td></tr><tr><td>6</td><td>1000</td><td>3000</td></tr></table>Calculate the net present value for each of the projects A and B using each of the discount rates 7% and 11%. Decide which is the best project. Draw your conclusion on the results.</td><td>10</td></tr>
<tr><td colspan="3">OR</td></tr>
<tr><td>3b.</td><td>Given the cash flows of the four projects, A, B and C and using the Payback Period decision model, which projects do you accept and which projects do you reject with a three-year cut-off period for recapturing the initial cash outflow? Assume that the cash flows are equally distributed over the year for Payback Period calculations.
<table><tr><th>Projects</th><th>A</th><th>B</th><th>C</th></tr><tr><td>Cost</td><td>$10,000</td><td>$25,000</td><td>$45,000</td></tr><tr><td>Cash Flow Year One</td><td>$4,000</td><td>$2,000</td><td>$10,000</td></tr><tr><td>Cash Flow Year Two</td><td>$4,000</td><td>$8,000</td><td>$15,000</td></tr><tr><td>Cash Flow Year Three</td><td>$4,000</td><td>$14,000</td><td>$20,000</td></tr><tr><td>Cash Flow Year Four</td><td>$4,000</td><td>$20,000</td><td>$20,000</td></tr><tr><td>Cash Flow year Five</td><td>$4,000</td><td>$26,000</td><td>$15,000</td></tr><tr><td>Cash Flow Year Six</td><td>$4,000</td><td>$32,000</td><td>$10,000</td></tr></table></td><td>10</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>4a.</td><td>Design a Project plan for Online book store management system.</td><td>10</td></tr>
<tr><td colspan="3">OR</td></tr>
<tr><td>4b.</td><td>Write the Vision and Scope document for Cafeteria Ordering System.</td><td>10</td></tr>
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