



PAPER ID-420260

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Subject Code: KOE068

Roll No:

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BTECH
(SEM VI) THEORY EXAMINATION 2021-22
SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours**Total Marks: 100****Note:** Attempt all Sections. If you require any missing data, then choose suitably.**SECTION A****1. Attempt all questions in brief.****2*10 = 20**

| Q.no | Questions | Marks | CO |
|------|--|-------|----|
| (a) | Define Software Project Management. | 2 | 1 |
| (b) | Briefly discuss about the Project Evaluation. | 2 | 1 |
| (c) | Define Project Life Cycle. | 2 | 2 |
| (d) | Discuss about the Effort Estimation. | 2 | 2 |
| (e) | Briefly discuss about the need of Activity Planning. | 2 | 3 |
| (f) | What do you mean by Risk Management? | 2 | 3 |
| (g) | What do you mean by Project Management and Control? | 2 | 4 |
| (h) | Define Framework for Management. | 2 | 4 |
| (i) | What do you understand by the Organizational behavior? | 2 | 5 |
| (j) | Discuss about the need of Staffing in Software Projects. | 2 | 5 |

SECTION B**2. Attempt any three of the following:****10*3 = 30**

| Q.no | Questions | Marks | CO |
|------|--|-------|----|
| (a) | Explain in detail about the Best methods of staff selection Motivation. | 10 | 5 |
| (b) | Write short notes on any two of the following: (i) Software process and Process Models (ii) Choice of Process models (iii) Rapid Application development(RAD) | 10 | 2 |
| (c) | What do you mean by Project schedules? Mention the Objectives of Activity planning. | 10 | 3 |
| (d) | Discuss about the concept and need of Cost monitoring Earned Value Analysis. | 10 | 4 |
| (e) | Describe the activities and Importance of Software Project Management. | 10 | 1 |

SECTION C**3. Attempt any one part of the following:****10*1 = 10**

| Q.no | Questions | Marks | CO |
|------|--|-------|----|
| (a) | What is the concept and need of Agile methods in Project Life Cycle? | 10 | 2 |
| (b) | Explain about the Oldham Hackman job characteristic model under the Staffing in Software Projects. | 10 | 5 |



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4. Attempt any *one* part of the following: 10 *1 = 10

| Q.no | Questions | Marks | CO |
|------|---|-------|----|
| (a) | Discuss in detail about the Categorization of Software Projects. | 10 | 1 |
| (b) | Discuss about the Forward Pass and Backward Pass techniques in Activity Planning and Risk Management. | 10 | 3 |

5. Attempt any *one* part of the following: 10*1 = 10

| Q.no | Questions | Marks | CO |
|------|--|-------|----|
| (a) | Discuss in detail about the Change control Software Configuration Management. | 10 | 4 |
| (b) | Explain in detail about any two of the following. (i) Stress. (ii) Health and Safety. (ii) Ethical and Professional concerns. | 10 | 5 |

6. Attempt any *one* part of the following: 10*1 = 10

| Q.no | Questions | Marks | CO |
|------|--|-------|----|
| (a) | Describe any two of the following. (i) Basics of Software estimation. (ii) Effort and Cost estimation. (iii) Dynamic System Development Method. | 10 | 2 |
| (b) | Write down about any two of the following. (i) Critical path (CRM) method. (ii) Risk identification. (iii) PERT technique. | 10 | 3 |

7. Attempt any *one* part of the following: 10*1 = 10

| Q.no | Questions | Marks | CO |
|------|---|-------|----|
| (a) | Briefly discuss any two of the following through an example. (i) Cost-benefit evaluation technology (ii) Risk evaluation (iii) Stepwise Project Planning | 10 | 1 |
| (b) | Write down about the concept of Contract Management under the Management Technique. | 10 | 4 |