

# Table of contents

	Preface to the 4th revised edition	9
<b>Part A</b>	<b>Fundamentals</b>	<b>13</b>
<b>1</b>	<b>Introduction</b>	<b>14</b>
1.1	The project management system	14
1.2	What is a project?	16
1.3	What is a programme and a portfolio?	18
1.4	Project types	20
1.5	What is project management?	22
1.6	What is the point of project management?	22
	Summary	23
	Practice questions	24
<b>2</b>	<b>Strategy</b>	<b>25</b>
2.1	Project, mission and vision	26
2.2	Identifying and exploiting opportunities	29
2.3	Justification for the project	29
2.4	Determine, assess and review critical success factors	30
2.5	Determine, assess and review key performance indicators	32
	Summary	32
	Practice questions	33
<b>3</b>	<b>Governance, structures and processes</b>	<b>34</b>
3.1	Principles of project management	36
3.2	Principles of programme management	40
3.3	Principles of portfolio management	43
3.4	Align project with support functions	45
3.5	Align project with decision-making and reporting structures	46
3.6	Align project with HR processes and functions	47
3.7	Align project with finance and controlling processes	48
	Summary	49
	Practice questions	50
<b>4</b>	<b>Self-reflection and self-management</b>	<b>51</b>
4.1	Identify and reflect on own values and personal experience	52
4.2	Build self-confidence	55
4.3	Identify and reflect on personal motivations	55
4.4	Organise personal work	57
4.5	Take responsibility for personal learning and development	58
	Summary	60
	Practice questions	61
<b>5</b>	<b>Culture and values</b>	<b>62</b>
5.1	Culture and values of society	63
5.2	Project, formal culture and values of the organisation	65
5.3	Informal culture and values of the organisation	65
	Summary	66
	Practice questions	67
<b>6</b>	<b>Personal communication</b>	<b>68</b>
6.1	Provide clear and structured information	69
6.2	Promote open communication	70
6.3	Types and means of communication	71
6.4	Virtual teams	72
6.5	Humour and change of perspective	73
	Summary	73
	Practice questions	74

<b>7</b>	<b>Compliance, standards and regulations</b>	<b>76</b>
7.1	Identify and comply with relevant legislation	77
7.2	Regulations for health, safety, security and environment (HSSE)	78
7.3	Comply with rules of conduct and professional regulations	80
7.4	Principles and objectives of sustainability	81
7.5	Evaluate, use and further develop standards and tools	82
7.6	Improve project management competence of the organisation	82
	Summary	84
	Practice questions	84
<b>8</b>	<b>Project design</b>	<b>85</b>
8.1	Success criteria	87
8.2	Lessons learned	90
8.3	Project complexity	90
8.4	Project management approach	93
8.5	Project execution	97
	Summary	98
	Practice questions	99
<b>9</b>	<b>Organisation and information</b>	<b>100</b>
9.1	Stakeholder needs	101
9.2	Structure, roles and responsibilities	104
9.3	Infrastructure, processes and information systems	112
9.4	Implement, monitor and adapt project organisation	116
	Summary	117
	Practice questions	118
<b>Part B</b>	<b>Objectives and initiation</b>	<b>119</b>
<b>10</b>	<b>Requirements, objectives and benefits</b>	<b>120</b>
10.1	Define hierarchy of project objectives	121
10.2	Identify needs and requirements	126
10.3	Prioritise requirements and acceptance criteria	130
	Summary	131
	Practice questions	132
<b>11</b>	<b>Scope</b>	<b>133</b>
11.1	Define project deliverables	134
11.2	Structure project scope	135
11.3	Define work packages	139
11.4	Establish and maintain scope configuration	143
	Summary	144
	Practice questions	145
<b>12</b>	<b>Quality</b>	<b>146</b>
12.1	Develop quality management plan	147
12.2	Review deliverables	149
12.3	Verify achievement of quality objectives	151
12.4	Plan and organise validation of project outcomes	153
12.5	Assure quality	153
	Summary	154
	Practice questions	154
<b>13</b>	<b>Finance</b>	<b>156</b>
13.1	Estimate project costs	157
13.2	Create project budget	159
13.3	Secure project funding	160
13.4	Financial management and reporting system	161
13.5	Monitor funding	162
	Summary	165
	Practice questions	166
<b>14</b>	<b>Power and interests</b>	<b>167</b>
14.1	Personal ambitions and interests of third parties	167
14.2	Informal power of individuals and groups of individuals	168
14.3	Third-party personalities and working styles	169
	Summary	170
	Practice questions	170

<b>15</b>	<b>Personal integrity and reliability</b>	<b>171</b>
15.1	Ethical values in decisions and actions	172
15.2	Sustainability of outputs and outcomes	173
15.3	Taking responsibility	174
15.4	Acting consistently	175
15.5	Creating trust	175
	Summary	176
	Practice questions	176
<b>16</b>	<b>Stakeholders</b>	<b>177</b>
16.1	Identify stakeholders	178
16.2	Stakeholder strategy and communication plan	185
16.3	Engage with executives, clients and higher management	187
16.4	Engage with users, partners and suppliers	188
16.5	Organise and maintain networks and alliances	189
	Summary	190
	Practice questions	191
<b>17</b>	<b>Resources</b>	<b>192</b>
17.1	Develop strategic resource plan	193
17.2	Quality and quantity	193
17.3	Identify sources of resources	194
17.4	Allocate and distribute resources	195
17.5	Resource utilisation	197
	Summary	198
	Practice questions	198
<b>18</b>	<b>Negotiations</b>	<b>199</b>
18.1	Identify and analyse interests	200
18.2	Evaluate options and alternatives	201
18.3	Define negotiation strategy	202
18.4	Reach agreements	203
18.5	Additional sales and acquisition opportunities	205
	Summary	205
	Practice questions	206
<b>19</b>	<b>Procurement</b>	<b>207</b>
19.1	Procurement needs	208
19.2	Evaluate and select suppliers	210
19.3	Negotiations and agreements	212
19.4	Execution of contracts	213
	Summary	215
	Practice questions	216
<b>20</b>	<b>Results orientation</b>	<b>217</b>
20.1	Evaluate decisions and actions	218
20.2	Align needs and means	219
20.3	Healthy, safe and productive working environment	219
20.4	Promote and sell a project	221
20.5	Deliver results and gain acceptance	222
	Summary	224
	Practice questions	225
<b>21</b>	<b>Time</b>	<b>226</b>
21.1	Define activities	227
21.2	Work effort and duration of activities	228
21.3	Handling dates and phases	229
21.4	Sequence of project activities in the process logic diagram and schedule	233
21.5	Monitor progress against the schedule	237
	Summary	242
	Practice questions	243

<b>Part C</b>	<b>Implementation and completion</b>	<b>245</b>
<b>22</b>	<b>Relationships and engagement</b>	<b>246</b>
22.1	Initiate and develop relationships	247
22.2	Build social networks	249
22.3	Demonstrate empathy	250
22.4	Show trust and respect	251
22.5	Communicate vision and objectives	252
	Summary	253
	Practice questions	254
<b>23</b>	<b>Leadership</b>	<b>255</b>
23.1	Take the initiative	256
23.2	Ownership and commitment	258
23.3	Coaching and mentoring	259
23.4	Power and influence	260
23.5	Take, implement and review decisions	261
	Summary	262
	Practice questions	263
<b>24</b>	<b>Teamwork</b>	<b>264</b>
24.1	Select and build team	265
24.2	Promote cooperation and networking	267
24.3	Development of team and team members	269
24.4	Empower teams by delegating	270
24.5	Learn from failure	271
	Summary	271
	Practice questions	272
<b>25</b>	<b>Resourcefulness</b>	<b>273</b>
25.1	Create an open and creative environment	274
25.2	Apply conceptual thinking	275
25.3	Apply analytical techniques	277
25.4	Promote and apply creative techniques	278
25.5	Promote a holistic view	280
	Summary	281
	Practice questions	281
<b>26</b>	<b>Risks and opportunities</b>	<b>283</b>
26.1	Develop and implement risk management	284
26.2	Identify risks and opportunities	285
26.3	Assess probability and impact of risks and opportunities	286
26.4	Select strategies and implement measures	289
26.5	Implement and monitor risks, opportunities and action	291
	Summary	293
	Practice questions	294
<b>27</b>	<b>Conflict and crises</b>	<b>295</b>
27.1	Anticipate conflict and crises	296
27.2	Causes and impacts of conflict and crises	299
27.3	Resolve conflict and crises	302
27.4	Identifying learnings from conflict and crises	304
	Summary	305
	Practice questions	306
<b>28</b>	<b>Plan and control</b>	<b>308</b>
28.1	Start project, develop project management plan	309
28.2	Transition to a new project phase	311
28.3	Compare project performance against the project plan	312
28.4	Report on project progress	314
28.5	Assess project changes	315
28.6	Close and evaluate a phase or project	321
	Summary	324
	Practice questions	325

<b>29</b>	<b>Change and transformation</b>	<b>327</b>
29.1	Assess adaptability	328
29.2	Identify change requirements	331
29.3	Develop change strategies	332
29.4	Implement change management	334
	Summary	339
	Practice questions	340
<b>Part D</b>	<b>Appendix</b>	<b>343</b>
	Answers to the practice questions	344
	Index	365