Maharashtra State Secondary and Higher Education Board, Pune
Bio focal Syllabus As per NSQF Guideline
EVALUATION SCHEME
For Feb-March-2027 and on words Examination
STD-XII Subject Code:
Paper II
Junior Software Developer (SSC/Q0508)

Scheme of Examination:

Sr. No.	Method of Assessment	Weightage of Marks	Evaluator
1	Written Test	30 Marks (80 Marks converted 30 Marks)	Maharashtra State Board of Secondary and Higher Secondary Education
2	Practical Test	30 Marks	Maharashtra State Board of Skill Vocational Education and Training, Mumbai/State Board
3	Oral Test	10 Mark	Maharashtra State Board of Skill Vocational Education and Training, Mumbai/State Board
4	Direct Observation during the Practical Test	10 Mark	Maharashtra State Board of Skill Vocational Education and Training, Mumbai/State Board
5	Term Work (Journal)	10 Mark	Internal – Junior Collage
6	Project Work	10 Mark	Internal – Junior Collage
	Total Marks	**100 Marks**	

1] Unit wise Marks Distribution of written test paper:

Paper Time: 3 hours **Marks: -80**

Sr. No	Unit (Contains)	Mark	Mark With option
1	Communication Skills-IV	00	00
2	Self-Management Skills-IV	00	00
3	Information and Communication Technology Skills-IV	05	11
4	Entrepreneurial Skills-IV	12	12
5	Green Skills-IV	03	07
6	Relational Database Management System – MySQL	16	25
7	Advanced Python Programming	22	33
8	Software Engineering	16	23
9	Emerging Trends and Social Impact	06	09
	Total	**80**	**120**

2] Practical Exam:

• **Practical Time**	• **3 Hours**
• Practical Subject	As per **Junior Software Developer** book
• Any one practical should be given from the text book by lot system to each group / individual.	
• **Total Marks of Practical**	• **30 Marks**

3] Term Work (Journal):

• Term Work (Journal)	• Journal maintained by the students during the academic year.
• Term Work (Journal) Subject	• As per **Junior Software Developer** Book
• **Total Marks**	• **10 Marks**

4] Project Work:

• The project work given in syllabus is only for guideline. • Candidate, with approval from the Instructor/Trainer may choose any one project and prepare it. • He has full liberty to prepare any useful project other than the mentioned projects. • He may write a visit report about any nearest Industry and their product. • One project should be compulsory for each student or a group of maximum 4 students.	
• **Total Marks**	• **10 Marks**

5] Oral/Viva vocu:	**10 Marks**
6] Direct Observation:	**10 Marks**

Written Test Paper - STD-XII

STD-XII Subject Code:

Paper II

Junior Software Developer (SSC/Q0508)

Question Wise Distribution of Marks.

Sr. No	Types of Questions	Marks	Marks with option
1	Objectives (1 Mark)	20	20
2	Short Answer Type (3 Marks)	24	36
3	Long Answer Type (4 Marks)	24	40
4	Long Answer Type (6 Marks)	12	24
	Total Marks	**80**	**120**

Pattern of Question Paper
STD-XII Subject Code:
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Time: 3 hrs. Marks: 80

Notes: 1.All questions are compulsory.
2. Draw diagrams wherever necessary.

Q. No. 1.A) Select the correct alternative and rewrites the sentence 5

1. Information and Communication Technology Skills-IV
   a) ……. b) ……. c) …….
2. Relational Database Management System – MySQL
   a) ……. b) ……. c) …….
3. Advanced Python Programming
   a) ……. b) ……. c) …….
4. Software Engineering
   a) ……. b) ……. c) …….
5. Relational Database Management System – MySQL
   a) ……. b) ……. c) …….

B) Match the following pairs. 5

	Column 'A'	Column 'B'
1	Entrepreneurial Skills-IV	a)
2	Relational Database Management System – MySQL	b)
3	Advanced Python Programming	c)
4	Software Engineering	d)
5	Emerging Trends and Social Impact	e)

C) State the following statement is true or false and rewrites the correct statements. **5**

1 Information and Communication Technology Skills-IV

2 Relational Database Management System – MySQL

3 Advanced Python Programming

4 Software Engineering

5 Advanced Python Programming

D) Answer the following questions in ONE sentence. 5

1 Relational Database Management System – MySQL

2 Advanced Python Programming

3 Entrepreneurial Skills-IV

4 Emerging Trends and Social Impact

5 Advanced Python Programming

Q. No. 2) Answer the following questions in short. (Any four) 12

1. Relational Database Management System – MySQL
2. Advanced Python Programming
3. Software Engineering
4. Information and Communication Technology Skills-IV
5. Software Engineering
6. Software Engineering

Q. No. 3) Answer the following questions in short. (Any four) 12

1. Relational Database Management System – MySQL
2. Advanced Python Programming
3. Green skills
4. Software Engineering
5. Emerging Trends and Social Impact
6. Advanced Python Programming

Q. No. 4) Answer the following questions in brief. (Any three) 12

1. Relational Database Management System – MySQL
2. Advanced Python Programming
3. Entrepreneurial Skills-IV
4. Software Engineering
5. Emerging Trends and Social Impact

Q. No. 5) Answer the following questions in brief. (Any three) 12

1. Relational Database Management System – MySQL
2. Advanced Python Programming
3. Green skills
4. Advanced Python Programming
5. Software Engineering

Q. No. 6.A) Answer any one questions in brief. 06

1. Relational Database Management System – MySQL
2. Information and Communication Technology Skills-IV

Q. No. 6.B) Answer any one questions in brief. 06

1. Advanced Python Programming
2. Entrepreneurial Skills-IV

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STD-XII:
Blue Print
STD-XII Subject Code:
Paper II
Junior Software Developer (SSC/Q0508)
Unit wise Marks Distribution

SR.NO	Units	Knowledge						Understanding						Application						Total Marks	Total Marks with option
		OB		SA		LA		OB		SA		LA		OB		SA		LA			
		Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions	Marks	Questions		
1	Communication Skills-IV	**This Topic mark weightage transfer to Paper II**																		00	00
2	Self-Management Skills -IV	**This Topic mark weightage transfer to Paper II**																		00	00
3	Information and Communication Technology Skills-IV	1	1	3	1			1	1			**6**	**1**							05	11
4	Entrepreneurial Skills-IV	1	1									4	1	1	1			6	1	12	12
5	Green Skills-IV															3	1	**4**	**1**	03	07
6	Relational database Management System MySQL	1	1			4	1	1	2	**3**	**1**	4	1	1	2	3	1	**6**	**1**	**16**	**25**
7	Advanced Python Programming	1	2	3	1	4	1	1	2	3	1	**4**	**2**	1	2	**3**	**1**	6	1	**22**	**33**
8	Software Engineering	1	1	**3**	**1**			1	1	3	2	4	1	1	1	3	1	**4**	**1**	**16**	**23**
9	Emerging Trends and Social Impact	1	1					1	1	**3**	**1**							4	1	6	9
		1	**7**	**3**	**3**	**4**	**2**	**1**	**7**	**3**	**5**	**4** / **6**	**5** / **1**	**1**	**6**	**3**	**4**	**4** / **6**	**3** / **3**	**80**	**120**
		24						**48**						**48**						**120**	

Note: Bold and underline question are optional

O.B – Objective.

S.A.- Short answer type (3marks)

L.A.- Long answer type (4 marks & 6 marks)