**Prefixes**

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

PREFIX owl: <http://www.w3.org/2002/07/owl#>

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX ksr: <http://www.semanticweb.org/sehrish/ontologies/2023/1/interedu#>

**G1: Admission**

|  |  |
| --- | --- |
| **ID** | **Question** |
| G1-A: | What are the attributes in the admission form? |
| G1-B: | Which institutes offer the intended program? |
| G1-C: | What is the duration of Inter program? |
| G1-D: | Which programs are available for Inter students? |

**Admission form for each student**

SELECT \*

WHERE { ?student a ksr:Student;

ksr:Fills ?Form.

}

|  |  |
| --- | --- |
| **G1-B:** | **Which institutes offer the intended program?** |

1. **Which college offers ICS Program**

SELECT \*

WHERE { ?student a ksr:ICS;

ksr:Offerd\_by ?College. }

1. **Which college offers I.Com Program**

SELECT \*

WHERE { ?student a ksr:I.Com;

ksr:Offerd\_by ?College.

}

1. **Which college offers FSc. Program**

SELECT \*

WHERE { ?student a ksr:FSc;

ksr:Offerd\_by ?College.

}

|  |  |
| --- | --- |
| **G1-C:** | **What is the duration of Inter program?** |

1. **Duration of Inter Program**

SELECT \*

WHERE { ?Program a ksr:Inter\_Program;

ksr:Duration ?Duration.

}

1. **Duration of ICS Program**

SELECT \*

WHERE { ?Program a ksr:ICS;

ksr:Duration ?Duration.

}

1. **Duration of FSc Program**

SELECT \*

WHERE { ?Program a ksr:FSc;

ksr:Duration ?Duration.

}

1. **Duration of FA Program**

SELECT \*

WHERE { ?Program a ksr:FA;

ksr:Duration ?Duration.

}

1. **Duration of I.Com Program**

SELECT \*

WHERE { ?Program a ksr:I.Com;

ksr:Duration ?Duration.}

|  |  |
| --- | --- |
| **G1-D:** | **Which programs are available for Inter students?** |

SELECT \*

WHERE { ?Program a ksr:Inter\_Program.

}

**G2: Facilities & Non-Academic Aspects**

|  |  |
| --- | --- |
| **ID** | **Question** |
| G2-A: | Which facilities are given to students in college? |
| G2-B: | Which scholarships are available? |
| G2-C: | Which sources will be used to acquire scholarships? |
| G2-D: | What is the summer and winter vacations’ duration? |
| G2-E: | Which co-curricular functions take place at colleges? |

|  |  |
| --- | --- |
| **G2-A:** | **Which facilities are given to students in college?** |

SELECT \*

WHERE { ?Program a ksr:College\_Campus\_Facilities.

}

|  |  |
| --- | --- |
| **G2-B:** | **Which scholarships are available?** |

SELECT \*

WHERE { ?Program a ksr:Scholarships.

}

|  |  |
| --- | --- |
| **G2-D:** | **What is the summer and winter vacations’ duration?** |

SELECT \*

WHERE { ?Holidays a ksr:Holidays;

ksr:Duration ?Duration.}

|  |  |
| --- | --- |
| **G2-E:** | **Which co-curricular functions take place at colleges?** |

SELECT \*

WHERE { ?Holidays a ksr:Events.}

**G3: Boards**

|  |  |
| --- | --- |
| **ID** | **Question** |
| G3-A: | Which boards in Punjab are offering the Inter Programs? |
| G3-B: | Which attributes are there in the board registration form? |
| G3-C: | How many students are registered in each board? |

|  |  |
| --- | --- |
| **G3-A:** | **Which boards in Punjab are offering the Inter Programs?** |

SELECT \*

WHERE { ?Program a ksr:BISE.

}

|  |  |
| --- | --- |
| **G3-B:** | **Which attributes are there in the board registration form?** |

|  |  |
| --- | --- |
| **G3-C:** | **How many students are registered in each board?** |

1. **Without Count**

SELECT ?student ?Board

WHERE { ?student a ksr:Student;

ksr:Gets\_registered\_in ?Board.

}

1. **With Count**

SELECT ?Board (count(?student) as ?numberOfstudents)

WHERE {

?student a ksr:Student;

ksr:Gets\_registered\_in ?Board.

}

group by ?Board

order by desc(?numberOfstudents)

**G4: Institutional Requirements**

|  |  |
| --- | --- |
| **ID** | **Question** |
| G4-A: | When are Intermediate program classes starting? |
| G4-B: | When to End an Intermediate program? |

|  |  |
| --- | --- |
| **G4-A:** | **When are Intermediate program classes starting?** |

SELECT \*

WHERE { ?College a ksr:College;

ksr:Class\_Commencement\_Date ?Classes\_commencement.}

|  |  |
| --- | --- |
| **G4-B:** | **When to End an Intermediate program?** |

SELECT \*

WHERE { ?College a ksr:College;

ksr:Class\_End\_Date ?Classes\_commencement.}