

# **Criteria – 2.6.2**

**Attainments of POs & Cos  
are Evaluated**

## Attainment of CO/PO –

Attainment is the action of achieving a standard result.

CO-PO attainment tools – There are two types of tools or programs for CO-PO attainment, as

- A. Direct attainment method
  - B. Indirect attainment method
1. Direct attainment method – It involves performance of students in the continuous internal assessment (tests, seminars, project, research, internal exam, and term end examination).
  2. Indirect attainment method – It involves surveys of students, parents, alumni, employee, and employer.
- Steps for CO-PO mapping –
    - Step I – To obtain CO, PO
    - Step II – Setting weightages.
    - Step III – PO, CO measurements through assessment
    - Step IV – PO, CO measurements through feedback
  - Direct assessment method and end semester examination assessment examination are considered for 80% and 20% weightages respectively.
  - Indirect assessment (20%) and term end examination (80%) weightages taken for attainment.
3. The Rubrics considered as given below:-
    - a. Attainment level 1 – 60% of students score more than 40%
    - b. attainment level 2 – 70% of students score more than 40%
    - c. attainment level 3 – 75% of students score more than 40%
    - d. The total attainment is the sum of 20% of internal assessment and 80% University attainment.
    - e. Indirect assessment is done through program end survey and alumni survey (50% each weightage).
    - f. CO attainment – T.Y.B.Sc. (HS) VI Sem result to refer of 2021-22

The procedure to calculate the attainment of CO. PO by using rubrics – Direct – Indirect method

In Sem VI of 2021-22. Total no. of students is 105. Out of these 104 students passed. The analysis of result of T.Y.B.Sc. (HS) Sem VI of 2021-22 shows that out of 105 appeared 104 candidates passed the examination. It means 104 candidates / successful candidates secured more than 40% minimum marks. It means about 99% students secured more than 40% marks. This analysis of CO-PO is called as direct assessment based on 60% of data of term end examination.



CO-OP attainment is also done at Internal examination level.

For that purpose, CO-1 (paper I) to CO-6 (Paper VI) i.e. course (paper) are considered for assessment. The assessment year is 2021-22, T.Y.B.Sc. (HS), Sem VI examination. For each Course -I to course- VI, 105 students appeared. Out of 105 appeared candidates, 104 student candidates passed the internal examination. It also counts to 99% of total % of students who passed means secured minimum 40% marks.

As per the rubrics, attainment level three is attained because more than 95-99% students attainment achieved. Thus, direct attainment of PO+CO is over 99% with term end examination and internal examination.

Indirect attainment is done through program end survey and alumni survey. In this method the 50% weightage was given to the present stakeholders & 50% weightage to alumni that is past student. The feedback of stakeholders was collected, analyzed and found that over 90-99% of stakeholders are satisfied with 90-99% of stakeholders are satisfied with curriculum length, knowledge, content and its outcome.

The total attainment of CO-PO by direct and indirect method is over 99%

### Sem VI 2021-22

Class	Total no. of Students for Sem VI 2021-22	Passed students total	Total % of students with minimum 40% of Marks
T.Y.B.Sc.(H.S)	105	104	99.04%

### CO Attainment of Internal Examination 2021-22

Class/Subject	Total No of Students for Semester VI	Passed Students Total	Total % of students with minimum 40 % Marks
Organizational Behavior	105	105	100
Strategic Management	105	105	100
Advanced Food Production	43	43	100
Advanced Food & Beverage Operations & Mgmt.	105	104	99.04
Advanced Housekeeping	7	7	100
Advanced Front Office	41	41	100
Advanced Bakery & Confectionary	14	14	100
Services Marketing	52	52	100
Strategic Human Resource Mgmt.	53	53	100