

**Table-1**

**NEP 2020 COLLEGES SCIENCE TEMPLATE: STUDENTS OPTING FOR SINGLE MAJOR AND SINGLE MINOR IN B.SC, B.SC HONOURS AND B.SC HONOURS WITH RESEARCH**

Semester	Subject-A (4 Cr)	Subject-B (4 Cr)	MDSC (3 Cr)	AEC (2 Cr)	VAC (2 Cr)	SEC (3 Cr)	Internship/ Community Work (4 Cr)	Pbi/HCP (2 Cr)	Total
I	MAJ A -1	MIN B-1 MIN C-1	MDC-1	Eng-1	VAC-1	SEC-1		Pbi-1/ HCP-1	24
II	MAJ A - 2	MIN B-2 MIN C-2	MDC-2	Eng-2	VAC-2	SEC-2		Pbi-2/ HCP-2	24
<b>The candidate has to select Major and Minor out of the 3 subjects studied in the 1st and 2nd semester at the end of the 2nd semester.</b>									
<b>The student exiting the programme after one year, securing 48 credits, will be awarded UG Certificate provided he/she secures 4 credits from summer internship/community work.</b>									
III	MAJ A- 3 MAJ A- 4	MIN B-3/ MIN C-3 MIN B-4/ MIN C-4	MDSC-3	Eng-3/ MIL-1		SEC-3			24
IV	MAJ A- 5 MAJ A- 6 MAJ A- 7 MAJ A- 8	MIN B-5/ MIN C-5		Eng-4/ MIL-2	VAC-3				24
<b>The student exiting the programme after two years securing 96 credits will be awarded UG Diploma provided he/she secures 4 credits from summer</b>									
V	MAJ A- 9 MAJ A- 10 MAJ A-11 MAJ A-12 MAJ A-13						Internship/ Community Work		24
VI	MAJ A-14 MAJ A-15 MAJ A-16 MAJ A-17 MAJ A-18	MIN B-6/ MIN C-6							24

	72	32	09	08	06	09	04	04	144
<b>The student successfully securing 144 credits will be awarded BSc degree</b>									
VII	MAJ A-19 MAJ A-20 MAJ A-21 MAJ A-22 MAJ A-23	MIN B-7/ MIN C-7							24
VIII	MAJ A-24 MAJ A-25 MAJ A-26 MAJ A-27 MAJ A-28	MIN B-8/ MIN C-8							24
	112	40	09	08	06	09	04	04	192
<b>Students opting for Research:</b>									
VII	MAJ A-19 MAJ A-20 MAJ A-21 MAJ A RM-22 AND Dissertation of 4 credits	MIN B-7/ MIN C-7							24
VIII	MAJ A-24 MAJ A-25 MAJ A-26 AND Dissertation of 08 credits	MIN B-8/ MIN C-8							24
	112	40	09	08	06	09	04	04	192

**NOTES:-**

1. In the first semester student will offered three different subjects A, B & C.
2. At the end of second semester each student may choose any one of the two streams namely Single Major or Multi-Disciplinary. The student choosing Single Major stream is required to give his/her Major and Minor at end of the second semester.
3. The student opting for Single Major must secure 50% credits of the total credits in the Major Subject and obtain 24 credits from the Minor Subject(s). To qualify for minor in a particular subject, the student must attain at least 12 credits in that subject(s).
4. A student who secures 75% or more marks in aggregate till semester 6 (up to 3 year degree) shall be eligible for 4 YEAR DEGREE B.SC HONOURS with research, on the condition that the Institution is a PU approved Research Centre
5. The candidate opting for B.Sc Honours with Research is required to secure 12 credits from research (Dissertation Papers) instead of three Major Core Papers.
6. 'MAJ A RM' shows research methodology paper of Subject A.
7. Language paper chosen as MIL-1 and MIL-2 should be in the same subject.
8. Once Major and Minor papers are chosen in 3<sup>rd</sup> semester, the same will continue as Major and Minor subject in the subsequent semesters.
9. RM=Research Methodology

**Table-2**

**NEP 2020 COLLEGES SCIENCE TEMPLATE: STUDENTS OPTING FOR MULTI-DISCIPLINARY/ INTER-DISCIPLINARY  
B.SC.,B.SC.HONOURS AND B.SC. HONOURS WITH RESEARCH (BATCH 2024 to 2028)**

Semester	Subject-A (4 Cr)	Subject-B (4-Cr)	Subject-C (4 Cr)	MDC /IDC (3 Cr)	AEC (2 Cr)	VAC (2 Cr)	SE (3 Cr)	Internship / Communit y Work (4 Cr)	Pbi/ HCP (2 Cr)	Total
I	Subject A-1	SubjectB-1	Subject C-1	MDC-1	Eng-1	VAC-1	SEC-1		Pbi-1/ HCP-1	24
II	Subject A-2	Subject B-2	SubjectC-2	MDC-2	Eng-2	VAC-2	SEC-2		Pbi-2/ HCP-2	24
<ul style="list-style-type: none"> <li>• The student exiting the programme after one year, securing 48 credits will be awarded UG Certificate provided he/she secures 4 credits from summer internship/community work.</li> <li>• The candidate will have to declare one of the three subjects as Minor in the 3rd semester.</li> <li>• The other 02 subjects will remain his/her Major subjects</li> </ul>										
III	MAJ A-3	MAJ B-3	MIN C-3 MIN C-4	MDC-3	Eng / MIL		SEC-3			24
IV	MAJ A-4 MAJ A-5	MAJ B-4 MAJ B-5	MIN C-5		Eng/ MIL	VAC-3				24
<ul style="list-style-type: none"> <li>• The student exiting the programme after two years securing 96 credits will be awarded UG Diploma provided he/she secures 4 credits from summer internship.</li> <li>• The Institution shall ask the student to opt for Hons. Subject well advance before the end of semester IV.</li> <li>• Subject A shall be the subject in which the candidate shall pursue Honours degree (if opted)</li> </ul>										
V	MAJ A-6 MAJ A-7 MAJ A-8	MAJ B-6	MIN C-6					Internship/ Community Work		24
VI	MAJ A-9 MAJ A-10 MAJ A-11	MAJ B-7	MIN C-7 MIN C-8							24
	<b>44</b>	<b>28</b>	<b>32</b>	<b>09</b>	<b>08</b>	<b>06</b>	<b>09</b>	<b>04</b>	<b>04</b>	<b>144</b>
<p><b>The student successfully securing 144 credits will be awarded BA degree.</b></p>										

<b>Students opting for B.Sc.(Hons.):</b>										
VII	MAJ A-12 MAJ A-13 MAJ A-14 MAJ A-15 MAJ A-16		MIN C-9							24
VIII	MAJ A-17 MAJ A-18 MAJ A-19 MAJ A-20 MAJ A-21		MIN C-10							24
	<b>84</b>	<b>28</b>	<b>40</b>	<b>09</b>	<b>08</b>	<b>06</b>	<b>09</b>	<b>04</b>	<b>04</b>	<b>192</b>
<b>Students opting for Research i.e. B.Sc.(Hons.) with Research:</b>										
VII	MAJ A-12 MAJ A-13 MAJ A-14 MAJ A RM (1)-15 And Dissertation(P1) of 04 credits		MIN C-9							24
VIII	MAJ A-16 MAJ A-17 MAJ A-18  Dissertation(P2) of 08 credits		MIN C-10							24
	<b>84</b>	<b>28</b>	<b>40</b>	<b>09</b>	<b>08</b>	<b>06</b>	<b>09</b>	<b>04</b>	<b>04</b>	<b>192</b>

**NOTES:-**

- Subject A shall be the subject in which the candidate shall pursue Honours degree (if opted)**
- The Institution shall ask the student to opt for Hons. Subject well advance before the end of semester IV.**

3. In the first semester student will be offered three different subjects A, B & C.
4. At the end of second semester each student may choose any one of the two streams namely Single Major or Multi-Disciplinary. The student choosing Single Major stream is required to give his/her Major and Minor at end of the second semester.
5. A student who secures 75% or more marks in aggregate till semester 6 (up to 3 year degree) shall be eligible for 4 YEAR DEGREE B.A. HONOURS with research, on the condition that the Institution is a PU approved Research Centre/offering M.Sc. courses in that subject.
6. Language paper chosen as MIL-1 and MIL-2 should be in the same subject.
7. Once Major and Minor papers are chosen in 3<sup>rd</sup> semester, the same will continue as Major and Minor subject in the subsequent semesters.
8. The candidate opting for Honours in research is required to study one paper of Research Methodology (RM) of 04 credits and write a Dissertation of 12 credits in the Major subject.
9. **The first major paper in any semester shall be offered as minor paper to other discipline/courses.**
10. **The RM MAJ Subject represents research methodology paper of Subject-A**
11. **The Dissertation (P1) opted by the candidates pursuing B.Sc.(Hons.) with Research:** A synopsis of at most 3000 words shall be prepared by the candidate and a presentation before faculty members of department shall be arranged immediately after the end of odd semester examination to evaluate the performance of candidate. Marks out of 100 shall be awarded to assess candidate's performance.
12. **The Dissertation (P2) opted by the candidates pursuing B.Sc.(Hons.) with Research:** The dissertation submitted to the Department/College/Institution, before a pre-fixed date announced by the Department/College/Institution, shall be evaluated by two subject experts. The supervisor shall be one of these two experts. The second expert for an affiliated College/Institution shall be an external examiner either from university campus or from another affiliated college/institution of Panjab University, Chandigarh. The external expert appointed from an affiliated College/Institution shall also be an approved Ph.D. supervisor of Panjab University, Chandigarh. However, for a department on campus offering these programme, the external expert shall be appointed from an institution beyond the administrative jurisdiction of Panjab University, Chandigarh (i.e., expert from another university or research institute not affiliated with the Panjab University). The open viva-voce shall be conducted by the external expert in the mandatory presence of the supervisor. Marks out of 200 shall be awarded by the external expert only. The bifurcation of 200 marks shall be as follows:
  - i) Marks out of 150 shall be awarded for the quality of dissertation work; and
  - ii) Marks out of 50 shall be awarded on the basis of candidate's performance in viva-voce.

Hence, the dissertation Course in 4<sup>th</sup> semester shall carry 8 credits (200 marks) and the grade in this Course shall be decided on the basis of the percentage marks obtained out of 200. Passing marks for a dissertation paper shall be 40% (i.e., 80 out of 200) with a grade letter 'P'.
  - iii) It is not necessary to score passing marks/grade separately but a sum of marks obtained from dissertation evaluation (marks out of 150) and viva-voce examination (marks out of 50) shall be considered to fulfill passing grade criterion.