

**Generating Questions and corresponding responses “UG Student Handbook”**

<b>Sr.</b>	<b>Question</b>	<b>Expected Answer</b>	<b>LLAMA 3.2</b>	<b>QWEN</b>	<b>Mistral</b>
1.	<b>What is the minimum CGPA required to obtain a Bachelor's degree at NUST?</b>	The minimum CGPA required to obtain a Bachelor's degree at NUST is <b>2.00</b> . However, for certain programs like BBA, BS Economics, BS Public Administration, BS Mass Communication, BS Accounting & Finance, and BS Psychology, the minimum CGPA requirement is <b>2.50</b>	The minimum CGPA required to obtain a Bachelor's degree at NUST for most programs is 2.50, except for BBA where it is 2.00 and other specific programs mentioned on page 44 of UG-Student-Handbook-1.pdf.	2.00	2.00 for Bachelors degree (General), 2.50 for specific programs like BBA, BS Economics, BS Public Administration, BS Mass Communication, BS Accounting & Finance, and BS Psychology.
2.	<b>What is the minimum attendance requirement to appear in the End Semester Examination?</b>	The minimum attendance requirement to appear in the End Semester Examination at NUST is <b>75%</b> .	75% attendance is a must for a student to be allowed to appear in the End Semester Examination of a subject.	75%attendance is a must for a student to be allowed to appear in the End Semester Examination of a subject.	75% attendance is a must for a student to be allowed to appear in the End Semester Examination of a subject.
3.	<b>What does "XF" grade signify?</b>	The "XF" grade signifies that a student was <b>debarred from the course</b> due to a shortage of attendance (less than 75%). It indicates that the student is ineligible to appear for the End Semester Examination in that course	The "XF" grade signifies a grade due to shortage of attendance, indicating that a student is not allowed to appear in the final examination of a subject because their attendance is less than 75%.	XF grade signifies a failing grade due to shortage of attendance, and it can only be cleared by repeating the course whenever offered.	The "XF" grade signifies a failure due to shortage of attendance in a subject, which can only be cleared by repetition of the course whenever it is offered.
4.	<b>What is the maximum duration allowed to complete a Bachelor's program (except Architecture)?</b>	The maximum duration allowed to complete a Bachelor's program (except Architecture) at NUST is <b>7 years</b> . For the Bachelor of Architecture program, the maximum duration is <b>8 years</b>	The maximum duration allowed to complete a Bachelor's program (except Architecture) is 7 years.	7 years	The maximum duration allowed to complete a Bachelor's program (except Architecture) is 8 years. This information applies to programs like the Bachelor of Industrial Design. For the Bachelor of Architecture, the maximum duration remains 8 years as well.
5.	<b>What are the consequences of using unfair means during an examination?</b>	Any student found using unfair means or assisting another student during a test/examination shall be liable to disciplinary action. A student found guilty of such an act by the institution Discipline Committee, will be dealt with in the light of policy in vogue.	A student found guilty of using unfair means during an examination shall be liable to disciplinary action. Additionally, a student found using unfair means or assisting another student during a test/examination shall be liable to disciplinary action and will be dealt with in the light of policy in Heading: vogue.	A student found guilty of using unfair means during an examination will be liable to disciplinary action. The matter will be dealt with by the institution Discipline Committee in accordance with the NUST Code of Conduct.	15. Any student found using unfair means or assisting another student during a test/examination shall be liable to disciplinary action. A student found guilty of such an act by the institution Discipline Committee, will be dealt with in the light of policy in Heading: vogue.  The consequences are disciplinary actions decided upon by the institution's Discipline Committee based on their policies (Heading: vogue).</div>
6.	<b>What is the duration of the mandatory internship for undergraduate programs?</b>	The duration of the mandatory internship for undergraduate programs at NUST is <b>at least 6 weeks</b> . This internship is a graded course and must be performed in an industry or a relevant public/private sector organization. It is an essential component for the award of the degree	The minimum duration of mandatory internship for 2nd / 3rd / 4th year undergraduate students is 6 weeks.	Minimum duration of 6 weeks.	The minimum duration of a mandatory internship for undergraduate students is 6 weeks. This applies to 2nd, 3rd, or 4th year students once during their degree program.
7.	<b>What is the minimum number of credit hours required for a Bachelor of Science in Computer Science?</b>	The minimum number of credit hours required for a Bachelor of Science in Computer Science at NUST is <b>133 credit hours</b> .	The minimum number of credit hours required for a Bachelor of Science in Computer Science is 133.	133	The minimum number of credit hours required for a Bachelor of Science in Computer Science is 133.
8.	<b>What are the core values of NUST?</b>	Integrity, Pursuit of Excellence, Inspiring, Diversity, Equity, and Inclusion, Sustainability.	a. Integrity. b. Pursuit of Excellence. c. Inspiring Partnerships. d. Diversity, Equity, and Inclusion. e. Sustainability.	a. Integrity. b. Pursuit of Excellence. c. Inspiring Partnerships. d. Diversity, Equity, and Inclusion. e. Sustainability.	1. Integrity 2. Pursuit of Excellence 3. Inspiring Partnerships 4. Diversity, Equity, and Inclusion 5. Sustainability

9.	<b>How are the final results computed and approved?</b>	<p>The final results at NUST are computed and approved through the following process:</p> <ol style="list-style-type: none"> <li><b>Computation:</b> The results are compiled by the Examination Branch after receiving them from each department. The results include the grades for each course, the Semester GPA, and the Cumulative GPA (CGPA) of each student.</li> <li><b>Approval:</b> The results are reviewed and approved in a meeting of the Faculty Board of Studies (FBS) within two weeks of the End Semester Examinations. The approved results are then formally announced by the Examination Branch of the respective institution.</li> <li><b>Provisional Result:</b> The result approved by the FBS is considered provisional until it is formally notified. The provisional result cannot be used in legal matters</li> </ol>	<p>The final results are computed by the Examination Branch of the institution after receiving results from each Department, showing the grades obtained in each course of the semester, the Semester GPA, and the CGPA of each student. The result sheets also indicate tentative disposal (probation, warning, suspension, withdrawal) of students failing to achieve the required standard.</p> <p>The institution holds an FBS meeting within two weeks of the conclusion of the End Semester Examination to approve the result, which is then formally announced by the Examination Branch of the concerned institute after being approved by the FBS.</p>	<p>After the results are received from each Department, the Examination Branch of the institution compiles the final results of each class. The final results show the grades obtained in each course of the semester, the Semester GPA, and the CGPA of each student. They also indicate the tentative disposal (probation, warning, suspension, withdrawal) for students failing to meet the required standard. The institution holds an FBS meeting within two weeks of the conclusion of the End Semester Examination to approve the result. The result is formally announced by the Examination Branch after approval by the FBS meeting and is considered a Provisional Result.</p>	<ol style="list-style-type: none"> <li>After receiving the results from each department, the Examination Branch of the institution compiles the final results for each class. These results show the grades obtained in each course of the semester, the Semester GPA, and the Cumulative Grade Point Average (CGPA) of each student.</li> <li>The results also indicate the tentative disposal (probation, warning, suspension, withdrawal) of students who fail to meet the required standards.</li> <li>The institution holds a Faculty Board of Study (FBS) meeting within two weeks of the conclusion of the End Semester Examination to approve the results.</li> <li>Once approved by the FBS, the result is formally announced by the Examination Branch of the concerned institute.</li> <li>The final result is recorded on a standard grade sheet and uploaded on Qalam, and copies are submitted to the Dean, Director, and Principal for their records.</li> <li>The grade sheets of each course duly approved by the Dean (through the HoD) are sent to the Deputy Controller of Examination.</li> <li>It is important to note that the result approved by the FBS meeting shall be considered a Provisional Result and shall not be</li> </ol>
10.	<b>What are the strategic thrusts of NUST?</b>	<p>The strategic thrusts of NUST are:</p> <ol style="list-style-type: none"> <li><b>Excellence in Teaching and Education</b></li> <li><b>Focus on Research</b></li> <li><b>Spirit of Enterprise</b></li> <li><b>Internationalization and Global Vision</b></li> <li><b>Positive Social Impac</b></li> </ol>	<p>The strategic thrusts of NUST are:</p> <ol style="list-style-type: none"> <li>Excellence in Teaching and Education.</li> <li>Focus on Research.</li> <li>Spirit of Enterprise.</li> <li>Internationalization and Global Vision.</li> </ol> <p>Additionally, the University also focuses on:</p> <ol style="list-style-type: none"> <li>Diversity, Equity, and Inclusion.</li> <li>Sustainability.</li> </ol>	<ol style="list-style-type: none"> <li>Excellence in Teaching and Education.</li> <li>Focus on Research.</li> <li>Spirit of Enterprise.</li> <li>Internationalization and Global Vision.</li> </ol>	<ol style="list-style-type: none"> <li>Excellence in Teaching and Education</li> <li>Focus on Research</li> <li>Spirit of Enterprise</li> <li>Internationalization and Global Vision</li> <li>Diversity, Equity, and Inclusion</li> <li>Sustainability</li> </ol>

11.	<b>What is the purpose of the community service course?</b>	The purpose of the Community Service course at NUST is to provide students with an opportunity to engage in practical work that benefits society. It is designed to develop a sense of social responsibility and contribute to the students' holistic education. Students who do not complete this course may be at a disadvantage during job placements and practical life	The purpose of the community service course is to enable students to develop a sense of social responsibility and civic awareness, as well as to foster skills such as teamwork, communication, and problem-solving.	The purpose of the community service course is to provide practical experience and enhance students' understanding, preparing them for practical life and job placements. Students who do not complete this course are usually at a disadvantage during job placements and practical life.	The purpose of the community service course is to provide each student with a 2-Credit Hour (CHs) experience as part of the standard curriculum. Students who do not complete this course may be at a disadvantage during job placements and practical life.
12.	<b>What are the different types of assessments used in undergraduate programs?</b>	<p>The different types of assessments used in undergraduate programs at NUST are:</p> <ol style="list-style-type: none"> <li>1. <b>Minor Test (Quiz)</b></li> <li>2. <b>Major Tests</b> <ul style="list-style-type: none"> <li>○ Mid Semester Examination/One Hour Test (OHT)</li> <li>○ End Semester Examination (ESE)</li> </ul> </li> <li>3. <b>Class Assignments</b></li> <li>4. <b>Practical/Lab Tests</b></li> <li>5. <b>Projects</b></li> <li>6. <b>Attendance</b> (75% minimum required to appear for End Semester Examinations)</li> </ol>	<p>The two types of assessments used in undergraduate programs are:</p> <ol style="list-style-type: none"> <li>1. Formative Assessments (Assessment for Learning)</li> <li>2. Summative Assessments (Assessment of Learning)</li> </ol>	Two types of assessments are used: Formative Assessment and Summative Assessments..	The different types of assessments used in undergraduate programs include Formative Assessment and Summative Assessment. Formative assessment is used during the learning process to guide instruction and encourage student learning, while summative assessment evaluates overall achievement at the conclusion of a program or significant phase.
13.	<b>What is the process for academic probation and suspension?</b>	<p>The process for academic probation and suspension at NUST is as follows:</p> <ol style="list-style-type: none"> <li>1. <b>Academic Probation:</b> A student is placed on academic probation if their <b>Cumulative GPA (CGPA)</b> falls below <b>2.00</b> after any semester. The student is given a warning and must improve their GPA. If a student fails to raise their CGPA in the subsequent semester, they may face <b>suspension</b>.</li> <li>2. <b>Academic Suspension:</b> If a student's CGPA remains below <b>2.00</b> for two consecutive semesters, or if they fail to meet the required academic standards, they may be <b>suspended</b> from the program. Suspension may also occur if the student has a <b>low attendance</b> (below 75%) without a valid excuse.</li> </ol>	<p>For Academic Probation:</p> <ol style="list-style-type: none"> <li>1. A student's CGPA is less than 2.00 but greater than or equal to 2.00.</li> <li>2. On disciplinary grounds when recommended by the respective discipline committee of the School.</li> </ol> <p>For Suspension:</p> <ol style="list-style-type: none"> <li>1. On disciplinary grounds when recommended by the Discipline Committee of the school, and Discipline Committee of NUST.</li> <li>2. Suspension on medical grounds.</li> <li>3. Suspension on prolonged absence (including the research phase).</li> <li>4. Suspension on reasons beyond student's control or authorized grounds / sanctioned leave from the competent authority.</li> </ol>	<p>Academic Probation: - CGPA less than 2.00 but not qualifying for withdrawal (excluding first semester) - On disciplinary grounds as recommended by discipline committees</p> <p>Suspension:</p> <ul style="list-style-type: none"> <li>• Defined as not allowed to continue regular academic activities for a specified time</li> <li>• Recommended by Faculty Board of Studies and approved by Main Office, NUST</li> <li>• Can be due to disciplinary grounds, medical reasons, prolonged absence, or other uncontrolled circumstances</li> </ul>	<p>Academic Probation: A student is placed on academic probation if they are deficient in academic/discipline standards but are allowed to continue their studies. The conditions for academic probation include:</p> <ol style="list-style-type: none"> <li>1. Having a Cumulative Grade Point Average (CGPA) less than 2.50, and not qualifying for withdrawal (this clause does not apply in the first semester). This is according to the Undergraduate Student Handbook of NUST.</li> <li>2. On disciplinary grounds when recommended by the respective discipline committee of the institution and the Discipline Committee of NUST.</li> </ol> <p>During academic probation, students are required to:</p> <ul style="list-style-type: none"> <li>• Contact concerned faculty for guidance</li> <li>• Keep a complete record of the semester work comprising home assignments,</li> </ul>

					<p>laboratory reports, quizzes, mid-semester/OHTs, and the marks obtained</p> <p>Academic Suspension: A student may be recommended for academic suspension by the Faculty Board (FBS) for approval by the Main Office of NUST, under any of the following conditions:</p> <ol style="list-style-type: none"><li>1. On disciplinary grounds when recommended by the institution discipline committee and Discipline Committee of NUST.</li><li>2. On academic grounds if a student's CGPA is less than 2.00, and they do not qualify for withdrawal (this clause will not be applicable to the first semester).</li></ol> <p>During academic suspension, students are not allowed to continue regular academic activities for a specified time. They may resume their studies after their suspension period has ended, subject to the rules and regulations applicable to the entry they join upon re-admission.</p>
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**Generating Questions and corresponding responses “PG Student Handbook”**

Sr.	Question	Expected Answer	LLAMA 3.2	QWEN 2.5	Mistral
1.	<b>What are the components of the requirement for the award of a Ph.D. degree?</b>	<p>The components required for the award of a Ph.D. degree at NUST include:</p> <ol style="list-style-type: none"> <li>1. <b>Coursework:</b> A minimum of 18 credit hours of 800/900 level courses, with a CGPA of 3.5 out of 4.0 in the coursework.</li> <li>2. <b>Ph.D. Qualifying Examination:</b> The student must pass: <ul style="list-style-type: none"> <li>o Part A: Subject examination with a minimum of 65% marks</li> <li>o Part B: Oral examination (defense of synopsis)</li> </ul> </li> <li>3. <b>Approval of Thesis Synopsis:</b> The student must prepare and present a research plan and literature survey at the beginning of Part B of the Qualifying Examination.</li> <li>4. <b>Thesis Credits:</b> A minimum of 30 credits of doctoral research must be completed.</li> <li>5. <b>Publications:</b> A minimum of two research publications related to the Ph.D. research work, with at least one publication in a WoS-JCR Impact Factor journal.</li> <li>6. <b>Successful Thesis Defense:</b> The thesis must be defended successfully before the Doctoral Defense Committee</li> </ol>	<p>The components of the requirement for the award of a Ph.D. degree, as stated in the provided text, are:</p> <ol style="list-style-type: none"> <li>1. Coursework: A minimum of 18 credits of 800/900 level courses or equivalent.</li> <li>2. Cumulative Grade Point Average (CGPA): A minimum cumulative GPA of 3.5 out of 4.0 in the 18 credit hours of 800/900 level courses to be counted towards a Ph.D.</li> <li>3. Ph.D. Qualifying Examination: Each student must pass each paper of Part A - the subject examination of Ph.D. comprehensive examination with a minimum of 65% marks and Part B – the Oral Examination, (defence of synopsis) by majority vote.</li> </ol> <p>Note that there are some additional requirements mentioned in the text, such as withdrawing from the Ph.D. programme, improving cumulative GPA, research during a Ph.D. programme, guidance and examination committee (GEC), evaluation of the research thesis, thesis defence, specific requirement/provisions, evaluator selection, and permission for foreign universities' research or visit by Ph.D. scholars. However, these are not necessarily "components" of the basic requirements for awarding a Ph.D. degree.</p>	<p>The requirements for the award of a Ph.D. degree as stated include:</p> <ol style="list-style-type: none"> <li>1. Coursework: Minimum of 18 credits of 800/900 level courses or equivalent, in addition to pre-requisites specified by the PEAC.</li> <li>2. No migration allowed in the Ph.D. program; students must complete all requisite courses according to NUST/HEC policy.</li> <li>3. Cumulative Grade Point Average (CGPA) of at least 3.5 out of 4.0 in the 18 credit hours of coursework.</li> <li>4. Passing each paper of Part A - the subject examination of Ph.D. comprehensive examination with a minimum of 65% marks, and</li> <li>5. Passing Part B – the Oral Examination (defense of synopsis) by majority vote.</li> </ol> <p>For students pursuing a Ph.D. in Business Administration, there is an additional requirement:</p> <ul style="list-style-type: none"> <li>• Passing two examinations under Part A (the Subject Examination), specifically Comprehensive Examination 1 covering themes and topics included in compulsory core courses.</li> </ul> <p>These requirements are generally consistent across multiple sections of the provided handbook.</p>	<p>The components of the requirement for the award of a Ph.D. degree at NUST, as per the Postgraduate Student Handbook, include the following:</p> <ol style="list-style-type: none"> <li>1. Coursework: A minimum of 18 credits of 800/900 level courses or equivalent. These 18 credit hours will be in addition to any pre-requisites specified by the Ph.D. Evaluation and Acceptance Committee (PEAC) of the concerned Institution.</li> <li>2. Cumulative Grade Point Average (CGPA): A minimum cumulative GPA of 3.5 out of 4.0 in the 18 credit hours of 800/900 level courses to be counted towards a Ph.D.</li> <li>3. Migration: Any student joining the Ph.D. program shall complete all the requisite courses in line with NUST/HEC policy. Migration is not allowed in the Ph.D. Programme.</li> <li>4. Qualifying Examination: Each student must pass each paper of Part A - the subject examination of the Ph.D. comprehensive examination with a minimum of 65% marks and Part B – the Oral Examination (defence of synopsis) by majority vote. For Ph.D. in Business Administration, each student will have to pass two examinations in respect of Part A (the Subject Examination), viz, Comprehensive Examination 1, covering themes and topics included in the compulsory core courses, and Comprehensive Examination 2, covering research methodology.</li> <li>5. Research during a Ph.D. programme: Each student is required to conduct original research that contributes to their field of study.</li> <li>6. Guidance and Examination Committee (GEC): A GEC will be constituted for each student, which will provide guidance throughout the program and oversee the evaluation of the research thesis.</li> </ol>

					<p>7. Evaluation of the Research Thesis: The research thesis will be evaluated by the GEC and an external examiner.</p> <p>8. Thesis Defence: After successful completion of the research, the student must defend their thesis before a panel.</p> <p>9. Specific Requirement/Provisions: Each institution may specify additional requirements if considered necessary.</p> <p>10. Other Academic Provisions: These include rules related to withdrawal from the Ph.D. program, improving CGPA, and suspension of registration among others.</p>
2.	<b>What is the Student Advisory System?</b>	<p>The <b>Student Advisory System (SAS)</b> at NUST is designed to provide guidance and support to students throughout their academic journey. It helps students understand the NUST academic regulations and offers a platform for overcoming both personal and academic challenges.</p> <ul style="list-style-type: none"> <li>• <b>Structure:</b> Each freshman is assigned an advisor who serves as a mentor. Freshmen are required to attend sessions in the first week of each month, with additional mandatory sessions for students with academic deficiencies (e.g., CGPA less than the required threshold or failing grades).</li> <li>• <b>Key Benefits:</b> SAS helps with the adjustment phase of new students, provides grooming and personality development, ensures understanding of academic regulations, monitors academic progress, and helps in detecting signs of radicalization or personal issues</li> </ul>	<p>The Student Advisory System (SAS) is a platform available to NUST UG students for informal interaction and guidance during their stay at NUST. It helps students to become well conversant with the NUST Academic Regulations and to overcome their personal and academic issues.</p> <p>In addition, for PG students:</p> <p>Desirous MS students may request to the department for the provision of Student Advisor.</p> <p>The key benefits of SAS are:</p> <ol style="list-style-type: none"> <li>1. facilitation of students in their adjustment</li> <li>2. imbed a system of grooming, personality development, regular advice, and guidance to the students during their course of studies;</li> <li>3. ensure that all students understand academic regulations/policies as vividly as possible through regular coaching;</li> <li>4. install and nurture an effective system for monitoring of academic progress of students and provide guidance for improvement;</li> <li>5. ensure regular dissemination and understanding of important information/revised policies down at the student level;</li> </ol>	<p>Student Advisory System (SAS) is a platform available to NUST UG and PG students for informal interaction and guidance during their stay at NUST. It helps students become well conversant with NUST Academic Regulations and overcome personal and academic issues. For UG freshmen, an Advisor is assigned as a guardian/mentor to provide necessary guidance, with mandatory sessions and evaluations.</p>	<p>The Student Advisory System (SAS) is a platform available to NUST students for informal interaction and guidance during their stay at NUST. It helps students to become well versed with the NUST Academic Regulations and to overcome their personal and academic issues.</p>

			6. provide an effective system for prompt detection of any signs of radicalization/extremism on the campus and handling of students' personal issues.		
3.	<b>What types of financial assistance are available for postgraduate students?</b>	<p>The types of financial assistance available for postgraduate students at NUST include:</p> <ol style="list-style-type: none"> <li>1. <b>Need-based Scholarships:</b> These are offered to students who demonstrate financial need.</li> <li>2. <b>Merit-based Scholarships:</b> Scholarships are awarded to students based on their academic performance.</li> <li>3. <b>Teaching Assistantships:</b> Full-time Ph.D. students are eligible for teaching assistantships, which provide financial support.</li> <li>4. <b>External Scholarships:</b> Students can also apply for scholarships provided by external bodies like the Higher Education Commission (HEC)</li> </ol>	<p>The following types of financial assistance are available for postgraduate students:</p> <ol style="list-style-type: none"> <li>1. Tuition Fee Reimbursement Scheme for Ph.D. Students of developing areas of Pakistan, AJK, and Gilgit Baltistan under “Prime Minister’s Fee Reimbursement Scheme”</li> <li>2. Punjab Educational Endowment Fund (PEEF) scholarship</li> <li>3. Need-based scholarships through their respective institutions in exceptional cases</li> <li>4. Scholarships offered by: a. Higher Education Commission (HEC) b. Lady Viqar-un-Nisa and Feroz Khan Noon Trust for Education c. Pakistan Scottish Scholarship Scheme (PS3) through British Council d. Provincial Government Endowment Fund Schemes, etc.</li> <li>5. HEC scholarships specifically for postgraduate studies of candidates from FATA and Balochistan</li> </ol>	<p>- Deferred payment of tuition fee for financially under-privileged students. - Need-based scholarship for students facing sudden/unprecedented changes in financial profile after admission.</p>	<p>1. Scholarships: These are awarded based on the student's performance and can be availed regardless of any other scholarship from another source, but a restriction may apply if the combined total exceeds the tuition fee and living expenses. (Refer to section 5.b in the UG-Student-Handbook-1.pdf)</p> <p>2. Deferred Payment of Tuition Fee: Financially under-privileged students can request for this option on a case-to-case basis. (Refer to section 5.c in the PG-HandBook-4-Aug-2022.pdf)</p> <p>3. Need-Based Scholarship: Students facing sudden changes in their financial profile after admission can apply for this scholarship in exceptional cases through their respective institutions. (Refer to section 5.e in the PG-HandBook-4-Aug-2022.pdf)</p> <p>4. Engagement Opportunities: Full-time Ph.D. students are eligible for temporary engagement as Temporary Visiting Faculty, Lab Engineer, Tutor, Teaching Assistant and Administrative Assistant, with remuneration paid on a monthly basis. (Refer to section 7.f in the PG-HandBook-4-Aug-2022.pdf)</p> <p>5. Punjab Educational Endowment Fund (PEEF) Scholarship: Specifically mention</p>

4.	<b>How can a postgraduate student participate in a student exchange program?</b>	<p>To participate in a student exchange program as a postgraduate student at NUST, the following steps are involved:</p> <ol style="list-style-type: none"> <li><b>Eligibility Criteria:</b> <ul style="list-style-type: none"> <li>The student must be enrolled as a full-time student at NUST.</li> <li>For MS students, a minimum CGPA of <b>3.0</b> is required; for Ph.D. students, the CGPA must be <b>3.5</b> or higher.</li> <li>Ph.D. students must have passed the Qualifier Examination Part B and obtained satisfactory remarks from their supervisor.</li> </ul> </li> <li><b>Application Process:</b> <ul style="list-style-type: none"> <li>Students must apply through their institution's <b>International Office</b> and submit an application to be considered for the program.</li> <li>They need to check the <b>NUST International Office</b> webpage regularly for the call for nominations.</li> </ul> </li> <li><b>Procedure:</b> <ul style="list-style-type: none"> <li>Once selected, students are required to obtain clearance (NOC) from NUST before departure.</li> <li>The host university's courses will be evaluated for compatibility, and the grades earned will be considered for transfer</li> </ul> </li> </ol>	<p>A postgraduate student can apply for an exchange programme through their Institutional Focal Person for Internationalization (IFPI) / PG Coordinators. They must also submit an application to obtain clearance from NUST, and the institution will forward the applications to PGP Dte for further submission to the host university for consideration.</p>	<p>A postgraduate student can participate in a student exchange program by following the procedures outlined in the NUST Postgraduate Student Handbook. They must apply through their Institutional Focal Persons for Internationalization (IFPI) or PG Coordinators, who will collect and forward applications to the NUST International Office (NIO). Students need to ensure they meet eligibility criteria such as having a clean record of discipline and being proficient in English. Additionally, they must accept the terms of the exchange as agreed between NUST and the host university/institution.</p>	<p>A postgraduate student can participate in a student exchange program by meeting the following eligibility criteria:</p> <ol style="list-style-type: none"> <li>The applicant must be enrolled as a full-time student at NUST and be in semesters third, fourth or fifth.</li> <li>The student should have qualified at least three semesters with a minimum CGPA of 2.50/4.00 to apply for an exchange program.</li> <li>The applicant must have a clean record of discipline.</li> <li>The applicant must be proficient in English to meet the language requirement of the host university.</li> <li>The student must apply to obtain clearance (NOC/Clearance to Leave) from NUST.</li> <li>The student can apply to two different exchange programs, but within an exchange program, can only choose one university. Specifically, for Mevlana Exchange, students can give their university choices in order of preference. Out of their preferences, one university will be allocated based on merit.</li> <li>The applicant must accept the terms of the exchange as agreed between NUST and the host university/institution.</li> </ol> <p>The institutional focal persons for internationalization (IFPI) / PG Coordinators are the point of contact for exchange program nominations. Students are advised to regularly check the NIO webpage for call of nominations for exchange programs at <a href="https://nio.nust.edu.pk/mobility/exchanges/outbound/">https://nio.nust.edu.pk/mobility/exchanges/outbound/</a>.</p>
5.	<b>What is the purpose of the comprehensive examination in a Master's program?</b>	<p>The purpose of the comprehensive examination in a Master's program at NUST is to assess the student's understanding of the core and specialized subjects within their field of study. It is an essential part of evaluating whether the student is ready to proceed with their research or thesis work.</p>	<p>According to Chapter 2 Salient Academic Regulations: Postgraduate Programmes on page 14, the last comprehensive examination (two to three hours duration) is given in each course on its completion, also referred to as "End Semester Examination".</p>	<p>To assess the student's understanding and application of the course material comprehensively upon completion of the course.</p>	<p>The purpose of the comprehensive examination in a Master's program is to evaluate the student's understanding of the subject matter they have studied during their coursework, and their ability to apply that knowledge in a comprehensive manner. This examination typically covers a broad range of topics related to the student's field of study and may include written exams, oral presentations, or both. It serves as a final</p>



					assessment before the student is awarded their Master's degree.
6.	<b>What are the consequences of plagiarism in a postgraduate program?</b>	<p>The consequences of plagiarism in a postgraduate program at NUST are:</p> <ol style="list-style-type: none"> <li>1. <b>Disciplinary Action:</b> Students may face suspension or expulsion.</li> <li>2. <b>Revocation of Degree:</b> If plagiarism is discovered after graduation, the degree may be revoked.</li> <li>3. <b>Cancellation of Results:</b> Exam results may be canceled if plagiarism is detected.</li> </ol>	<p>According to the NUST Postgraduate Student Handbook (Page 116), the consequences of plagiarism are:</p> <ul style="list-style-type: none"> <li>• Cause for formal school discipline</li> <li>• Justification for any faculty member to award a failing grade</li> <li>• For the DBS/FBS to cancel grade previously awarded only in that assignment/project.</li> </ul>	<p>The consequences of plagiarism in a postgraduate program include formal school discipline, and justification for any faculty member to award a failing grade or for the DBS/FBS to cancel a previously awarded grade only in that assignment/project.</p>	<p>The consequences of plagiarism in a postgraduate program include formal school discipline and justification for any faculty member to award a failing grade, as well as the possibility for the DBS/FBS to cancel the grade previously awarded only in that assignment/project.</p>
7.	<b>What is the role of the supervisor in a postgraduate research project?</b>	<p>The supervisor's role in a postgraduate research project at NUST includes:</p> <ol style="list-style-type: none"> <li>1. <b>Chairing the Research Guidance and Examination Committee (GEC).</b></li> <li>2. <b>Supervising the student</b> in conducting original research.</li> <li>3. <b>Being present</b> during the Preliminary Ph.D. Comprehensive Meeting (PPCM) and thesis defense.</li> <li>4. <b>Appointing a co-supervisor</b> from the institution if leaving or going on long leave.</li> <li>5. <b>Requiring students to publish at least one journal paper</b> to continue as their supervisor and proceed outside of NUST.</li> </ol>	<p>The supervisor's role includes:</p> <ol style="list-style-type: none"> <li>1. Chairing the Research Guidance and Examination Committee (GEC)</li> <li>2. Supervising the student in conducting original research</li> <li>3. Being physically present during PPCM and thesis defence</li> <li>4. Appointing a co-supervisor from the institution when leaving or going on long leave.</li> <li>5. Requiring students to publish at least 1 journal paper if they want to continue as supervisor and proceed out of NUST.</li> </ol>	<p>Supervisor must be physically present during PPCM and thesis defence, and preferably during these events. A co-supervisor from the institution must also be appointed.</p>	<p>The supervisor in a postgraduate research project, according to the provided context, has several roles.</p> <ol style="list-style-type: none"> <li>1. The supervisor must chair the Guidance and Examination Committees (GEC) meetings.</li> <li>2. They are responsible for ensuring that their student attains a CGPA of <math>\geq 3.0</math> in coursework before thesis defence is allowed.</li> <li>3. The supervisor should be preferably physically present during the PPCM (Progress Committee Meeting) and thesis defence of the concerned student.</li> <li>4. The research supervisor/advisor must be a Ph.D. holder in the relevant field, with prior necessary experience for this job by initially nominating them as members of GEC or Co-Supervisors. However, the DBS (Dean's Board of Study) may decide to allow for supervision without prior experience on a case-to-case basis.</li> <li>5. The supervisor is involved in agreeing upon the subject of research with the student, ensuring that it is original and not plagiarized.</li> <li>6. If a supervisor leaves the institution or proceeds on long leave (i.e., leave for more than six months), they may be appointed as co-supervisor if required, provided the student has published at least one journal paper of the required category before the supervisor's departure.</li> </ol>

8.	<b>How are grievances of postgraduate students addressed?</b>	The grievances of postgraduate students at NUST are addressed through the <b>Student Grievance Committee (SGC)</b> , which handles unresolved academic and administrative issues.	The grievances of postgraduate students are addressed by the Student Forum and the Students Grievance Committee (SGC).	The grievances of postgraduate students are addressed through the Students Grievance Committee (SGC), which handles unresolved complaints related to academic and administrative matters, as well as misconduct by individuals within the university.	The grievances of postgraduate students at NUST are addressed by the Students Grievance Committee (SGC). The SGC's aim is to address unresolved complaints from individual students. The scope of the SGC includes academic and administrative matters, as well as misconduct of any individual within the University.
9.	<b>What are the requirements for submitting a thesis in a Master's program?</b>	<p>The requirements for submitting a thesis in a Master's program at NUST include:</p> <ol style="list-style-type: none"> <li>1. <b>Completion of Coursework:</b> Students must complete the required coursework, including a minimum of 6 credits for the thesis.</li> <li>2. <b>Approval of Thesis Topic:</b> The research topic must be approved by the supervisor and the Graduate Evaluation Committee (GEC).</li> <li>3. <b>Research:</b> The thesis should be based on original research that contributes significantly to the field.</li> <li>4. <b>Minimum CGPA:</b> A minimum CGPA of 3.0 is required.</li> <li>5. <b>Thesis Defense:</b> The student must successfully defend the thesis before the thesis evaluation committee.</li> </ol>	<p>According to the provided text, the requirements for submitting a thesis in a Master's program are:</p> <ol style="list-style-type: none"> <li>1. The subject of research must be agreed upon by the student and the research Supervisor/Advisor (thesis advisor), in consultation with GEC, when required.</li> <li>2. The topics must be original and not plagiarized, and relevant to the needs of the country.</li> <li>3. A thesis is graded and counted towards the calculation of CGPA for all programmes.</li> </ol> <p>Additional requirements may include:</p> <ol style="list-style-type: none"> <li>4. A student who cannot complete the thesis work in the assigned on-campus time may continue to do so at own arrangements to complete the thesis work within the maximum allowed time.</li> <li>5. Students desirous of continuing their research after the on-campus time are required to maintain their registration with the University and accordingly pay the registration fee as per the policy.</li> </ol> <p>Note that these requirements may vary depending on the specific Master's program and institution.</p>	<p>Based on the information provided, the key requirements for submitting a thesis in a Master's program include:</p> <ol style="list-style-type: none"> <li>1. The student must complete a minimum of 6 credits in their master's thesis.</li> <li>2. The topic of research must be agreed upon by the student and the research supervisor/advisor (thesis advisor). This agreement can involve consultation with the Guidance and Examination Committee (GEC) if required.</li> <li>3. The research topic should be original, non-plagiarized, and relevant to the needs of the country.</li> <li>4. Students who cannot complete their thesis work during the assigned on-campus time may continue working on it through alternative arrangements outside of campus.</li> <li>5. For students who wish to continue their research after the on-campus period, they must maintain registration with the university and pay the corresponding registration fees according to the university's policy.</li> <li>6. The thesis will be graded and counted towards the student's CGPA for all programs.</li> </ol> <p>These requirements ensure that the thesis work is both academically rigorous and relevant while also accommodating students who may need additional time beyond the initial on-campus period.</p>	<ol style="list-style-type: none"> <li>1. In a Master's program, the thesis is typically a requirement for many programs. The specific number of credits required may vary but usually involves completing a minimum of 6 credits based on an individualized, investigative study that makes a significant contribution to knowledge.</li> <li>2. The topic of the thesis must be agreed upon by the student and their research supervisor or advisor (thesis advisor), in consultation with the Graduate Education Committee (GEC) when necessary. The topics must be original and not plagiarized, and relevant to the needs of the country.</li> <li>3. A thesis is graded and contributes towards the calculation of the student's Cumulative Grade Point Average (CGPA).</li> <li>4. Students who cannot complete their thesis work within the assigned on-campus time may continue doing so at their own arrangements, provided they maintain their registration with the university and pay the required registration fee as per the policy.</li> <li>5. If a student desires to continue their research after the on-campus time, they are required to maintain their registration with the University and accordingly pay the registration fee as per the policy.</li> </ol>

10.	<b>What is the minimum duration for completing an MS program?</b>	The minimum duration for completing an MS program at NUST is <b>1.5 years</b> .	1½ Years	1½ Years	The minimum duration for completing a Master of Science (MS) program, according to the provided table in the NUST Postgraduate Student Handbook, is 1.5 years. However, it's important to note that this is the minimum duration and students might require more time depending on various factors such as the complexity of the coursework or individual study pace.
11.	<b>How can a postgraduate student apply for graduation</b>	<p>To apply for graduation as a postgraduate student at NUST:</p> <ol style="list-style-type: none"> <li>1. Filling the prescribed application form.</li> <li>2. The application being recommended by the head of the institution.</li> <li>3. The application being forwarded to the Main Office NUST through the concerned HoD (Head of Department).</li> <li>4. The application being considered by a committee comprising Registrar, Director Academics, and others.</li> <li>5. The final decision lying with the Rector.</li> </ol>	<p>According to the provided context, a postgraduate student can apply for graduation by:</p> <ol style="list-style-type: none"> <li>1. Filling the prescribed application form.</li> <li>2. The application being recommended by the head of the institution.</li> <li>3. The application being forwarded to the Main Office NUST through the concerned HoD (Head of Department).</li> <li>4. The application being considered by a committee comprising Registrar, Director Academics, and others.</li> <li>5. The final decision lying with the Rector.</li> </ol>	The context provided does not contain information on how to apply for graduation. The given text pertains to procedures related to subsistence allowance and deferment of tuition fees, but does not address the application process for graduation.	A postgraduate student can apply for graduation by following the procedure outlined in the NUST Postgraduate Student Handbook on page 105. The student should submit an application to their Head of Institution who will forward it to the Main Office NUST through the concerned HoD. Once the committee, consisting of the Registrar, Director Academics, Director Postgraduate Programmes (PGP), Director Finance, and representatives from the respective institution as a member, considers the application and approves it, the student can graduate. The exact page number may vary depending on the edition of the handbook, but this is the general process as per the context provided.
12.	<b>What are the facilities available for postgraduate students on campus?</b>	<p>The facilities available for postgraduate students on campus include:</p> <ol style="list-style-type: none"> <li>1. <b>Hostel Accommodation:</b> Provided for postgraduate students, with specific rules for accommodation duration, mess services, and discipline.</li> <li>2. <b>Library Services:</b> Access to the central library and digital resources.</li> <li>3. <b>Sports and Recreational Facilities:</b> Access to sports facilities, including a gymnasium and other recreational services.</li> <li>4. <b>Medical Services:</b> Access to the university's health services and medical center.</li> <li>5. <b>Cafeteria and Dining:</b> Meal services are provided in hostels and other campus area</li> </ol>	<p>The facilities available for postgraduate students on campus include:</p> <p>a. peaceful academic environment; b. halal meals, prepared under hygienic conditions; c. limited indoor recreational facilities i.e., (1) TV Room (2) Indoor games (3) Gymnasium; d. Heating System in each room; e. CCTV surveillance system installed in hostels; f. Uninterrupted electric supply; g. WiFi; h. Vending Machines; i. Hot water in winters</p>	<p>- Peaceful academic environment - Halal meals prepared under hygienic conditions - Indoor recreational facilities: TV Room, Indoor games, Gymnasium - Heating System in each room - CCTV surveillance system installed in hostels - Uninterrupted electric supply - WiFi - Vending Machines - Hot water in winters</p>	<p>The facilities available for Postgraduate students on NUST campus include:</p> <ol style="list-style-type: none"> <li>1. Peaceful academic environment</li> <li>2. Halal meals, prepared under hygienic conditions</li> <li>3. Limited indoor recreational facilities such as TV Room, Indoor games, Gymnasium</li> <li>4. Heating System in each room</li> <li>5. CCTV surveillance system installed in hostels</li> <li>6. Uninterrupted electric supply</li> <li>7. WiFi</li> <li>8. Vending Machines</li> <li>9. Hot water in winters</li> </ol>

13.	<p><b>What are the specific requirements for a Ph.D. thesis defense?</b></p>	<p>The specific requirements for a Ph.D. thesis defense are as follows:</p> <ol style="list-style-type: none"> <li>1. The defense schedule must be announced by the institution at least 4 weeks before the defense to all NUST institutions and Main Office NUST for maximum participation.</li> <li>2. The Defense Committee will comprise the student's GEC and four external experts (two local and two foreign, if possible through video conferencing).</li> <li>3. The student must provide copies of the research thesis to all members of the Defense Committee at least 4 weeks before the defense date and 8 weeks in case of foreign experts.</li> <li>4. The student will present their work to the Defense Committee on the given date.</li> </ol>	<p>The student will present their research work to the defence committee on the given date.</p> <p>Additionally, the following are required:</p> <ol style="list-style-type: none"> <li>1. The student will provide copies of the research thesis to all the members of the Defence Committee at least 4 weeks before the defence date and 8 weeks in case of foreign experts.</li> <li>2. The participation of two foreign experts will be arranged through video conferencing, if possible.</li> <li>3. Copies of the research thesis should be submitted by the student along with five bound copies after successful defence within 60 days from the date of the thesis defense.</li> </ol>	<p>- The schedule of thesis defense shall be announced at least 4 weeks before the defense. - The Defense Committee will consist of the student's GEC and four external experts (two local and two foreign, if possible via video conferencing). - The student must provide copies of the research thesis to all members of the Defense Committee at least 4 weeks before the defense date, with an 8-week deadline for foreign experts. - The student will present work to the defense committee on the given date.</p>	<p>The specific requirements for a Ph.D. thesis defense are as follows:</p> <ol style="list-style-type: none"> <li>5. The defense schedule must be announced by the institution at least 4 weeks before the defense to all NUST institutions and Main Office NUST for maximum participation.</li> <li>6. The Defense Committee will comprise the student's GEC and four external experts (two local and two foreign, if possible through video conferencing).</li> <li>7. The student must provide copies of the research thesis to all members of the Defense Committee at least 4 weeks before the defense date and 8 weeks in case of foreign experts.</li> <li>8. The student will present their work to the Defense Committee on the given date.</li> </ol>
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**Final-Student-Handbook-MBBS-shared-with-NSHS-dated-19-Aug-2024**

Sr.	Question	Expected Answer	LLAMA 3.2	QWEN 2.5	Mistrial
1.	<b>What is the OSIS curriculum model?</b>	Outcome-Based, Systems-Based, Integrated, and Spiral curriculum.	<p>The OSIS curriculum models are:</p> <ol style="list-style-type: none"> <li>1. Outcome-based curriculum</li> <li>2. System-based curriculum</li> <li>3. Integrated curriculum</li> <li>4. Spiral curriculum.</li> </ol>	<p>Outcome-based curriculum: This curriculum model focuses on defining learning outcomes that students should achieve at the end of the undergraduate medical program. The curriculum is designed backwards from these outcomes, encompassing the knowledge, skills, and attitude necessary for medical practice. Teaching and assessment methods are aligned to ensure students meet desired outcomes and competencies.</p>	<p>The OSIS (Outcome-Based, System-Based, Integrated, and Spiral) curriculum model is a system of education for undergraduate medical programs that focuses on defining learning outcomes, organizing the program around body systems and themes rather than traditional disciplines, integrating basic and clinical sciences within each system, repeatedly revisiting core topics over different levels of complexity and depth to recognize learning as an iterative process.</p>
2.	<b>What are the learning outcomes of the MBBS program?</b>	<p>The MBBS program at NUST has 11 Program Learning Outcomes (PLOs) designed to ensure graduates have the necessary competencies for medical practice. These are detailed on pages 3-4 and include:</p> <ul style="list-style-type: none"> <li>• <b>Medical Knowledge, Clinical Skills, Professionalism and Ethics, Communication Skills, Team work, Professional Development</b></li> </ul>	<p>The learning outcomes of the MBBS program are defined in Outcome-based curriculum (Chapter 2: OSIS Curriculum) as follows:</p> <ol style="list-style-type: none"> <li>1. Knowledge, skills, and attitude necessary for medical practice.</li> <li>2. Competencies that students should achieve at the end of the undergraduate medical program.</li> </ol> <p>(Note: No specific details about these outcomes are provided in the given context.)</p>	<p>The MBBS program focuses on defining learning outcomes that students should achieve at the end of the undergraduate medical program. These outcomes encompass the knowledge, skills, and attitude necessary for medical practice.</p>	<p>The Learning Outcomes (PLOs) of the MBBS program can be found in Chapter 3 of the provided handbook, specifically on Page 3. However, for your convenience, I have extracted the relevant information:</p> <p>"MBBS Curricular / Program Learning Outcomes (PLOs)"</p> <p>The curriculum is designed to achieve learning outcomes that focus on knowledge, skills, and attitude necessary for medical practice. These outcomes are organized around and teaching and assessment methods are aligned to ensure that students meet desired outcomes and competencies.&lt;/div&gt;</p>
3.	<b>What are the different types of assessments used in the MBBS program?</b>	Formative and summative assessments, including written exams, OSCEs, and clinical assessments	<p>There are two types of assessments used in the MBBS program:</p> <ol style="list-style-type: none"> <li>1. Formative Assessment</li> <li>2. Summative Assessments</li> </ol>	<p>The different types of assessments used in the MBBS program include:</p> <ul style="list-style-type: none"> <li>• Formative Assessment (Assessment for Learning)</li> <li>• Summative Assessments (Assessment of Learning)</li> </ul>	<p>The different types of assessments used in the MBBS program are Formative Assessment and Summative Assessment. Formative Assessment is also known as Assessment for Learning, while Summative Assessment is Assessment of Learning.</p>
4.	<b>What are the study skills recommended for MBBS students?</b>	Recommended study skills include best practices like pre-reading, organization by layering concepts, use of elaboration, practice exams, active reading, and group study. Students should focus on conceptual understanding, integrate/cross-reference notes, and adapt to personal learning styles such as visual, auditory, or kinesthetic.	<p>The study skills recommended for MBBS students are:</p> <ol style="list-style-type: none"> <li>1. Best Study Practices: <ul style="list-style-type: none"> <li>o Know the difference between familiarity and recall.</li> <li>o Use elaboration to help remember (linking information to what you already know).</li> <li>o Reorganize, restate, reformat notes to process at a deeper level.</li> </ul> </li> </ol>	<p>- Know the difference between familiarity and recall. - Prove to yourself that you know something through various methods like saying it out loud, redrawing charts, or explaining to someone else. - Reorganize information using charts, outlines, or diagrams. - Use vivid visualization. - Act out situations using roleplay. - Organize studying by layering major concepts first. - Pre-read before lectures and review after lectures. - Integrate notes with previous lectures, books, and other study aids.</p>	<p>The study skills recommended for MBBS students include strategies like knowing the difference between familiarity and recall, thinking about how to prove knowledge, using elaboration (such as reorganizing information, vivid visualization, or roleplay), organizing studying by layering, pre-reading before a lecture and review/ organization after a lecture, thinking about what might be difficult in lecture, going through learning objectives, sitting where distractions will be minimized, noting where one stopped paying attention, brief review of notes and books within a day or two, reorganizing, restating, reformatting</p>

			<ul style="list-style-type: none"> <li>○ Integrate/cross-reference notes with previous lectures, books, other study aids.</li> </ul> <p>2. Study Atmosphere:</p> <ul style="list-style-type: none"> <li>○ Know where you learn best.</li> <li>○ Use the right environment for optimal focus (absolute silence or a bit of noise).</li> </ul> <p>3. Learning Strategies:</p> <ul style="list-style-type: none"> <li>○ Pre-reading before a lecture and review/organization after a lecture.</li> <li>○ Act out a situation using roleplay strategy.</li> <li>○ Think about what might be most difficult to understand in lectures and where you'll need to pay attention.</li> <li>○ Understand your own learning style(s).</li> <li>○ Plan for difficulty in focusing.</li> <li>○ Know when to take breaks.</li> </ul>		notes, integrating/cross-referencing notes with previous lectures and study aids, considering personal learning style, knowing where one learns best, understanding the study atmosphere (absolutely silent or a bit of noise, need to go somewhere or study in room, same place every day or variety helps, sitting at desk, on couch, walking around a room), not using bed for studying, planning for difficulty in focusing and knowing when to take a break.
5.	<b>What is the duration of the MBBS program at NUST?</b>	The MBBS program at NUST is a 5-year program.	The answer to the question "What is the duration of the MBBS program at NUST?" is not explicitly stated in the provided context. However, based on general knowledge, the typical duration of an MBBS program in Pakistan is 5 years and 6 months (including internships).	5 years	The MBBS program at NUST lasts for 5 years. This includes 1st to 4th Professional Examinations and a Final Professional Examination.
6.	<b>What is the role of formative assessments in the OSIS curriculum?</b>	Formative assessments aim to encourage learning, gauge progress, and provide feedback. They occur during lectures, practicals, SGDs, CBLs, or demonstrations and include tools like MCQs, SAQs, SEQs, assignments, and presentations. They do not carry weightage in the final examination.	Formative assessments encourage student learning, gauge their progress, and enable faculty to evaluate the effectiveness of their teaching methods. They are conducted during or after lectures, practical, as part of SGDs, CBLs and or demo/dissection, and include strategies such as critical reasoning, MCQs, SAQs/SEQs, Assignments, and presentations.	To encourage student learning, gauge their progress, and enable faculty to evaluate the effectiveness of their teaching methods.	The role of formative assessments in the OSIS curriculum is to encourage student learning, gauge their progress, and enable faculty to evaluate the effectiveness of their teaching methods. These assessments are regular and will be conducted during or after lectures, practical sessions, SGDs (Small Group Discussions), CBLs (Case-Based Learning) and demo/dissection. The strategies for formative assessment include critical reasoning, MCQs (Multiple Choice Questions), SAQs/SEQs (Short Answer Questions/Sequence of Questions), Assignments, and Presentations. These assessments do not carry weightage in the final examination but are used to provide comprehensive feedback to the students.
7.	<b>What are the clinical skills required for MBBS students?</b>	Clinical skills include history-taking, physical examination, diagnostic reasoning, communication, and professionalism necessary for patient assessment, diagnosis, and management.	According to Chapter 3 of the MBBS Student Handbook (Page 7), PLO 2 Clinical Skills:  "Develop clinical skills necessary for the assessment, diagnosis, and management of	Develop clinical skills necessary for the assessment, diagnosis, and management of patients. This includes history-taking, physical examination, diagnostic reasoning, communication skills, and professionalism.	The clinical skills required for MBBS students include history-taking, physical examination, diagnostic reasoning, communication skills, and professionalism.

			patients. This includes history-taking, physical examination, diagnostic reasoning, communication skills, and professionalism."		
8.	<b>What are the requirements for graduation from the MBBS program?</b>	Graduation requires passing all professional exams with at least 50% marks in both theory and practical components, fulfilling attendance requirements (75%), and completing the academic curriculum as prescribed in the OSIS framework.	<p>Based on the provided context, to be declared successful in the professional examination, a student must obtain minimum 50% marks separately in both theory and practical parts of the examination. Also, a student who fails to clear the first and second Professional MBBS examinations in four attempts either availed or un-availed shall cease to become eligible for further medical education at NSHS.</p> <p>Additionally, to be eligible for graduation from the MBBS program, a student must complete the degree requirements within the minimum prescribed duration of 8 regular semesters. If a student completes the degree requirements beyond this duration without any adjustment in the award date of their batch, they are not eligible for top academic honours or Rector's Gold Medal.</p>	Min of 75% attendance is mandatory to appear in the professional exam. Additionally, students who complete the degree requirements beyond the minimum prescribed duration (8 regular semesters) with a date of award of degree beyond the date of their batch mates are not eligible for top academic honours / award or Rector's Gold Medal.	1. The student must complete the degree requirements within the prescribed duration of 8 regular semesters (4 years). 2. The student is not eligible for top academic honors/award if they complete the degree requirements beyond the date of award of their batch's degree. 3. The student who completes the degree requirements beyond the prescribed duration or the date of award of their batch's degree is not eligible for the Rector's Gold Medal.
9.	<b>What is the role of the student advisor in the MBBS program?</b>	Student advisors assist with academic deficiencies, medical conditions, and personal or administrative matters. They are accessible for guidance during scheduled meetings or urgent situations.	<p>The Student Advisor plays a crucial role in guiding and counseling students in their academic and personal issues. The specific roles and responsibilities of a Student Advisor include:</p> <ol style="list-style-type: none"> <li>1. Counseling and guidance to students during their stay at NUST.</li> <li>2. Helping students become well conversant with the NUST Academic Regulations.</li> <li>3. Overcoming personal and academic issues through informal interaction.</li> </ol> <p>The Student Advisor also helps students by facilitating regular coaching on academic regulations/policies, monitoring academic progress, providing guidance for improvement, disseminating important information/revised policies, and detecting any signs of radicalization/extremism on campus.</p>	The student advisor acts as a guardian/mentor to counsel and provide necessary guidance to UG freshmen. Additionally, advisors conduct mandatory advisory sessions for students with academic deficiencies and can be requested by any student for an advisory session at their discretion or as decided by the Head of the Institution. Advisors also raise evaluation reports covering students' personality traits, trends, and academic performance.	<p>The role of a Student Advisor in the MBBS program includes:</p> <ol style="list-style-type: none"> <li>1. Guiding and counseling freshman students during their adjustment phase.</li> <li>2. Embedding a system of grooming, personality development, regular advice, and guidance to students throughout their course of studies.</li> <li>3. Ensuring that all students understand academic regulations/policies as vividly as possible through regular coaching.</li> <li>4. Installing and nurturing an effective system for monitoring the academic progress of students and providing guidance for improvement.</li> <li>5. Ensuring regular dissemination and understanding of important information/revised policies down at the student level.</li> <li>6. Providing an effective system for prompt detection of any signs of radicalization/extremism on the campus and handling of students' personal issues.</li> <li>7. Assisting students who request advisory sessions due to academic deficiency or other</li> </ol>

					<p>personal issues, as decided by the Head of the Institution.</p> <p>8. Raising an evaluation report at the end of each semester in respect of each student in his/her group that covers the students' personality traits, trends, and academic performance during the semester.</p>
10.	<b>What is the role of the Clinical Skills Lab in the MBBS program?</b>	The Clinical Skills Lab (CSL) provides a simulated environment for students to practice and enhance clinical and procedural skills before engaging with real patients.	<p>According to page 7 of the provided handbook, under PLO 2 Clinical Skills, there is no mention of a specific lab. However, it does mention the Clinical Skill Lab (CSL) as a separate entity which isn't defined here but mentioned under PLO 1 Medical Knowledge: Acquire a broad and in-depth understanding of the basic and clinical sciences related to medicine.</p> <p>Note that there is another lab work activity for Engineering/IT/Sciences section where "Lab Work" is mentioned.</p>	Develop the ability to perform procedures, interpret diagnostic tests, and manage common medical conditions.	The provided data does not explicitly mention any extracurricular activities for MBBS students, but it does list a few academic provisions such as Summer Semester & Summer Camps (Source: PG-HandBook-4-Aug-2022.pdf, Page: 38), Student Advisory System (Source: PG-HandBook-4-Aug-2022.pdf, Page: 41), Student Counselling (Source: PG-HandBook-4-Aug-2022.pdf, Page: 42), and Clubs & Societies (Source: Final-Student-Handbook-MBBS-shared-with-NSHS-dated-19-Aug-2024.pdf, Page: 54). However, it is important to note that these activities might not be specific to MBBS students as they are also mentioned in the Postgraduate Student Handbook. For a comprehensive list of extracurricular activities available for MBBS students, further research may be required.
11.	<b>How is the final professional examination for the MBBS program conducted?</b>	It includes three theory papers (150 MCQs each, 3 hours), OSPE/OSCE (15 stations, 5 minutes each), and structured viva. A minimum of 50% in theory and practical is required	The final professional examination for the MBBS program consists of three papers corresponding to EOBs of specific years (Paper I - EOB I, Paper II - EOB II, and Paper III - EOB III). Each paper includes theory, practical (OSPE/OSCE), and viva examinations. A student must obtain a minimum of 50% marks separately in both the theory and practical parts to be declared successful in the examination.	Each paper in the final professional examination consists of theory, practical (OSPE/OSCE), and Viva examinations. The theory paper includes 150 MCQs with a duration of 3 hours. Practical sessions consist of 15 stations, each lasting 5 minutes and carrying 5 marks. A student must obtain at least 50% in both the theory and practical parts separately to pass.	The final professional examination for the MBBS program consists of a total of 3 papers. Each paper corresponds to the End-Of-Block (EOB) of that specific year. The theory part of each paper contains 150 Multiple Choice Questions (MCQs) and lasts for 3 hours. The practical sessions consist of 15 stations each, with each station lasting 5 minutes and carrying 5 marks. The student must obtain a minimum of 50% marks in both theory and practical parts separately to be declared successful in the examination.