

MQA-02 RECOGNITION

PART A: GENERAL INFORMATION ON THE MEDICAL SCHOOL

Part A of the MQA-02 Recognition seeks general information on the medical school.

1. Name of the medical school:
2. Date of establishment:
3. Date of registration (if applicable):
4. Reference no. of registration (if applicable):
5. Name of the chief executive officer (however designated):
6. Address:
 - i. Address:
 - ii. Correspondence (if different from above):
7. Tel.:
8. Fax:
9. Email:
10. Website:
11. Names and addresses of Faculties/Schools/Departments/Centres (if located outside the main campus):
 - i.
 - ii.
 - iii.
12. Names and addresses of branch campuses (if applicable):
 - i.
 - ii.
 - iii.
13. List of Faculties/Schools/Departments/Centres in the medical school (and its branch campuses) and number of programmes offered:

No.	Name of Faculties/Schools/ Departments/Centres/ MOE- approved Regional Centres	Location	Number of Programmes Offered

14. Details of all programmes currently conducted by the medical school (and its branch campuses including any offshore arrangements):

No.	Name of Programme	Awarding Body	Location conducted	Type of Programme (collaboration/ own/ external programme/ joint award/ joint degree)	Approving Authority and Date of Approval	Date and Duration of Professional Body	Student Enrolment	Programme Status*

* For public medical school, indicate status of each programme as follows: active, inactive (approved but currently not conducted).

* For private medical school, indicate status of each programme as follows: active or inactive (approved but currently not conducted).

15. Total number of academic staff:

Status	Academic Qualification	Number of Staff		
		Malaysian	Non-Malaysian	Total
Full-time (all types of designation, including those on 1 year contract or more)	Doctorate (Level 8)			
	Masters (Level 7)			
	Bachelors (Level 6 - including professional qualification)			
	Diploma (Level 4)			
	Others			
	Sub-total			
Part-time	Doctorate (Level 8)			
	Masters (Level 7)			
	Bachelors (Level 6 - including professional qualification)			
	Diploma (Level 4)			
	Others			
	Sub-total			
	Total			

16. Total number of students:

	Number of students		Total	Disabled Student
	Local	International		
Male				
Female				
Total				

17. Student attrition:

	Year	Total students (A)	Number of students leaving the institution without graduating (B)	Attrition Rate (%) (B/A)*100	Main reasons for leaving
Past 1 year					
Past 2 years					
Past 3 years					

Note: The attrition rate should be provided for each individual year.

18. Total number of administrative and support staff:

No.	Classification by Function (e.g.: technical, counselling, financial, IT, human resource, etc.)	Number of Staff

19. Provide audited financial statement for the last three consecutive years:

Year	Financial statement (RM)	
	Profit/Surplus	Loss/Deficit
Past 1 year		
Past 2 years		
Past 3 years		

Note: Profit and loss reporting is based on after tax.

20. Provide the latest, dated and signed organisational chart of the medical school.

21. Contact person for the submission:

- i. Name and Title:
- ii. Designation:
- iii. Tel.:
- iv. Fax:
- v. Email:

PART B: PROGRAMME DESCRIPTION

Part B of the MQA-02 Recognition requires the medical school to furnish information on the programme. The information required includes the name of the programme, the graduating credits, the duration of study, entry requirement, mode of delivery and the awarding body.

1. Name of the Medical School:
2. Name of the programme (as in the scroll to be awarded):
3. Graduating credit: (as stated in the license)
4. Has this programme underwent any quality assurance process by relevant authority in the respective country? If yes, please provide the following details:

No.	Name and Location of the Premises (main campus / branch campuses / regional centre)	Mode of Delivery	Status of Quality Assurance with Duration (if any)	
			Provisional	Full
1.				
2.				
3.				

5. Type of award (e.g., single major, double major, etc.):
6. Field of study:
7. Language of instruction:
8. Type of programme (e.g., own, collaboration, external, joint award/joint degree, etc.):
9. Mode of study (e.g., full-time/part-time):
10. Mode of offer (please (/) where appropriate):

Undergraduate Programme		Postgraduate Programme	
Coursework		Coursework	
Industry Mode (2u2i)		Mixed mode	
		Research	

11. Method of learning and teaching (e.g. lecture/tutorial/lab/field work/studio/blended learning/e-learning, etc.):
12. Mode of delivery (please (/) as appropriate):

Conventional (traditional, online and blended learning)	
Open and Distance learning (ODL)	

13. Duration of study:

No. of Weeks	Full-time		Part-time	
	Long Semester	Short Semester	Long Semester	Short Semester
No. of Semesters				
No. of Years				

Note: Number of weeks should include study and exam week.

14. Entry requirements (for Malaysian applicants, must follow the Minimum Qualifications for Entry into Medical Programme of the Malaysian Medical Council):

15. Estimated date of first intake: month/year

16. Projected intake and enrolment: (applicable for provisional accreditation)

Year	Intake	Enrolment
Year 1	e.g.: 100	e.g.: 100
Year 2	e.g.: 100	e.g.: 200
Year 3	e.g.: 100	e.g.: 300
Total		

17. Total enrolment of student (applicable for full accreditation):

Year	Intake	Enrolment
Year 1	e.g.: 60	e.g.: 60
Year 2	e.g.: 70	e.g.: 130
Year 3	e.g.: 90	e.g.: 220
Year 4		
Year 5		
Total		

18. Estimated date of first graduation: month/year

19. Types of job/position for graduate:

20. Awarding body:

- Own
- Others (Please name)

(Please attach the relevant documents, where applicable)

- i. Proof of collaboration between medical school and the collaborative partner such as copy of the Validation Report* of the collaborative partner** and the Memorandum of Agreement (MoA)
- ii. Approval letter from the Higher Education Department (*Jabatan Pendidikan Tinggi*, JPT) of the Ministry of Higher Education for programmes in collaboration with Malaysian public universities, if applicable
- iii. Proof of approval and supporting letter to conduct the programme from certification bodies/awarding bodies/examination bodies
- iv. A copy of the programme specification as conducted by the collaborative partner (eg. Handbook)
- v. Proof of collaboration with Quality Partners*** for the programme, where applicable
- vi. For programmes which require clinical training, please attach proof of approval from the relevant authority
- vii. Any other document where necessary

21. A sample of scroll to be awarded should be attached.

22. Address(s) of the location where the programme is/to be conducted:

23. Contact person for the submission:

- i. Name and Title:
- ii. Designation:
- iii. Tel.:
- iv. Fax:
- v. Email:

Note:

- * Validation report is an evaluation by the collaborative partner on the readiness and capability of the institution to offer the programme.

- ** Collaborative partner is the institution who owned the curriculum of the programme and conferred the award (franchisor), while the programme delivery is conducted by another institution (franchisee).
- *** Quality partners are usually better-established universities which attest to the quality of a programme through the involvement or oversight of curriculum design, teaching and learning, or assessment.

PART C: PROGRAMME STANDARDS

Part C of the MQA-02 Recognition requires the medical school to furnish information on all the standards in the seven areas of evaluation for quality assurance on the programme to be recognised. The following pages provide a series of questions and statements that guide the medical school in furnishing such information.

In Area 1 (Programme Development and Delivery), there are 22 questions and statements related to the 16 standards.

In Area 2 (Assessment of Student Learning), there are 20 questions and statements related to the 11 standards.

In Area 3 (Student Selection and Support Services), there are 28 questions and statements related to the 19 standards.

In Area 4 (Academic Staff), there are 22 questions and statements related to the 15 standards.

In Area 5 (Educational Resources), there are 25 questions and statements related to the 12 standards.

In Area 6 (Programme Management), there are 23 questions and statements related to the 16 standards.

In Area 7 (Programme Monitoring, Review and Continual Quality Improvement), there are 11 questions and statements related to the 8 standards.

Medical schools are required to use Evaluation Instrument of Undergraduate Medical Programme (Excel) to conduct self-review for each Area which should include the following:

- i. Strengths of the programme in meeting its goals;**
- ii. Steps taken in maintaining and enhancing the strengths/practices of the programme;**
- iii. Areas of concern that need to be addressed; and**
- iv. Steps taken to address the problem areas.**

INFORMATION ON AREA 1: PROGRAMME DEVELOPMENT AND DELIVERY

1.1. Statement of Objectives of Academic Programme and/ or Learning Outcomes

1.1.1. Explain how the programme is in line with, and supportive of, the vision, mission, and goals of the medical school and university.

1.1.2. a) State the programme objectives, and/ or learning outcomes, learning, and teaching strategies, and assessment methods of the programme.

b) Describe the strategies for the attainment of programme objectives or learning outcomes in terms of learning and teaching strategies, and assessment methods.

1.1.3. Explain how the medical programme fulfills the outcomes below:

1. Knowledge and understanding
2. Cognitive skills
3. Functional work skills with focus on:
 - a. Practical Skills
 - b. Interpersonal skills
 - c. Communication skills
 - d. Digital skills
 - e. Numeracy skills
 - f. Leadership, autonomy, and responsibility
4. Personal and entrepreneurial skills.
5. Ethics and professionalism.

1.1.4. How are the programme objectives and/ or learning outcomes related to students' preparedness for housemanship/ internship and postgraduate medical education options upon completion of the programme?

1.2. Programme Development: Process, Content, Structure and Teaching-Learning Methods

1.2.1. Describe the provisions and practices that indicate the autonomy of the medical school in the design of the curriculum, and its utilisation of the allocated resources.

1.2.2. Describe the processes to develop and approve the curriculum by the highest academic authority of the medical school.

1.2.3. a) Who and how are the stakeholders consulted in the development of the curriculum?

b) Explain the involvement of educational experts in this curriculum development.

1.2.4. a) Describe how the curriculum fulfils the requirements of the programme standards and best practices in medical education.

b) Explain how the following core competencies are achieved in the medical curriculum.

Refer to Section 4 of the Standards for Undergraduate Medical Education (Appendix 1)

c) Provide a brief description for each course offered in the programme. Please arrange the courses by year and semester as in Table 3.

No.	Semester/ block Year Offered	Name And/ or Code of Course	Credit Value / weeks	Prerequisite/ co-requisite	Name(s) of Academic Staff

d) Provide the information for each course in a separate document, using the table below where applicable

1.	Name of the course
2.	Synopsis: (Kindly include details on when the course is conducted, its duration, the training hospitals, the teaching and learning strategies, and the assessment

	methods used)															
3.	Name(s) of academic staff															
4.	Semester/ block and year offered															
5.	Credit value/ weeks															
6.	Prerequisite/Co-requisite (if any)															
7.	<table border="1"> <thead> <tr> <th>Assessment method</th> <th>Weightage (%)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </tbody> </table>		Assessment method	Weightage (%)											Total	100%
	Assessment method	Weightage (%)														
Total	100%															
8.	Identify special requirements or resources to deliver the course (e.g., software, nursery, computer lab, simulation room):															
9.	References (include required and further readings, and should be the most current):															
10.	Other additional information:															

1.2.5. Explain the appropriateness of teaching and learning methods applied to achieve the programme objectives and/ or learning outcomes of the programme.

1.2.6. What are the co-curricular activities available to the students of this programme? How do these activities enrich student learning experience and foster personal development and responsibility?

1.3. Programme Delivery

- 1.3.1. Provide evidence on how the curriculum committee has responsibility and authority for planning, implementing, and reviewing the curriculum with representation of relevant stakeholders.
- 1.3.2. Show evidence (including those available in the learning management system) that the students are provided with, and briefed on, the current information about the programme, for example, the Student Study Guide, Student Handbook, and Student Project Handbook.
- 1.3.3. a) Provide details of the leadership and the management structure of the programme, including members of the team responsible for the programme (for example, Dean, head of the departments, coordinators, etc.). State the manner in which the academic team manages the programme. What are their qualifications, authority, and responsibility?

b) Does the programme team have access to adequate resources? Provide evidence.
- 1.3.4. Describe how the medical school ensures that its curriculum is designed based on recent advances in medical education and the availability of its educational resources.
- 1.3.5. Describe the medical school's initiatives to encourage innovations in teaching, learning, and assessment.
- 1.3.6. State how the medical school obtains feedback to improve the delivery of the programme outcomes. Provide evidence.

INFORMATION ON AREA 2: ASSESSMENT OF STUDENT LEARNING

2.1. Relationship between Assessment and Learning Outcomes

2.1.1. Explain how assessment principles, methods, and practices are aligned to the achievement of learning outcomes of the programme.

2.1.2. Describe how the alignment between assessment and learning outcomes is regularly reviewed to ensure its effectiveness (please provide policy on the review, if any). Provide evidence.

2.2. Assessment Methods

2.2.1. a) Describe how a variety of assessment methods and tools are used in assessing programme learning outcomes and competencies.

b) Show evidence that the variety of the assessment methods is valid to measure the learning outcomes and competencies. Provide an assessment blueprint.

c) Show evidence of the utilisation of both summative and formative assessment methods within the programme.

d) Show evidence of external review of assessment practices.

2.2.2. a) Explain how the medical school ensures the validity, reliability, integrity, currency, and fairness of student assessment over time and across sites (if applicable).

b) Indicate the authority and processes for verification and moderation of summative assessments.

c) What guidelines and mechanisms are in place to address assessment misconduct among students (plagiarism, cheating, etc.)?

d) Are the assessment methods reviewed periodically? Describe the review of the assessment methods in the programme conducted (e.g., the existence of a permanent review committee on assessment and consultation with external assessors and examiners, students, alumni, and other relevant stakeholders).

2.2.3. a) Describe the documentation of assessment procedures, methods, and regulations, and how it is communicated to the students. It should include information on frequency, weightage, criteria, grading, and how appeals are dealt with.

b) Explain how the department provides feedback to the students on their academic performance to ensure that they have sufficient time to undertake remedial measures.

c) How are results made available to the students for purposes of feedback on performance, review, and corrective measures?

d) Describe the progression criteria.

2.2.4. Explain the processes in making changes to the assessment method. How are the changes made known to the students?

2.3. Management of Student Assessment

2.3.1. Explain the roles, rights, and autonomy of the medical school and the academic staff in the management of student assessment.

2.3.2. Describe how the integrity of student assessment documents, as well as academic records, is ensured. Procedures and the consequences of a security breach must also be documented and communicated.

2.3.3. Explain how and when continuous and final assessment results are made available to students.

2.3.4. Provide information on the appeal procedure. What are the policies or guidelines on students' appeals against assessment results?

- 2.3.5. Explain how the medical school periodically reviews the management of student assessment and measures it takes to address the issues highlighted by the review.

INFORMATION ON AREA 3: STUDENT SELECTION AND SUPPORT SERVICES

3.1. Student Selection

- 3.1.1. a) State the criteria and the mechanisms for student selection, including that of transfer students and any other additional requirements, for example, those in relation to students with special needs.
- b) Provide evidence that the students selected fulfil the admission policies that are consistent with applicable requirements.
- c) Describe the admission mechanisms and criteria for students with other equivalent qualifications (where applicable). Provide entry criteria.
- 3.1.2. a) Explain how the selection criteria are accessible to the public.
- b) If other additional selection criteria are utilised, describe them.
- c) Show evidence that the admission policy and mechanisms are free from unfair discrimination and bias.
- 3.1.3. a) Provide information on student intake for each session since commencement and the ratio of the applicants to intake.
- b) Describe how the size of student intake is determined in relation to the capacity of the medical school and explain the mechanisms for adjustments, taking into account the admission of visiting, elective, exchange, and transfer students.
- 3.1.4. Describe the policies, mechanisms, and practices for appeal on student selection, if applicable.

3.1.5. State the support provided for those who are selected but need additional developmental and remedial assistance.

3.2. Articulation and Transfer

3.2.1. Describe how the medical school facilitates student mobility, exchanges, and transfers, nationally and internationally.

3.2.2. Describe how students accepted for transfer demonstrate comparable achievements in their previous programme of study (Evidence can be in the form of mapping of learning outcomes and assessment of competencies of the transferring medical school).

3.3. Student Support Services

3.3.1. What support services are available to students? What additional support arrangements are provided by different organisations that are accessible to students?

3.3.2. a) Describe the qualifications and experience, roles, and responsibilities of staff in charge of student support services.

b) Describe the organisation and management of the student support services.

3.3.3. Describe the induction process, focusing on orientation programmes for international students, students with special needs, and students requiring help.

3.3.4. a) Describe the provision of the academic, non-academic, and career counselling services to students.

b) How are the effectiveness of the academic, non-academic, and career counselling services measured, and the progress of those who seek their services monitored? What plans are there to improve services, including enhancing counsellors' skills and professionalism?

- 3.3.5. Describe the mechanisms that exist to identify and assist students who require academic, spiritual, psychological, and social support.
- 3.3.6. Describe the processes and procedures in handling students' disciplinary cases in academic and non-academic settings.
- 3.3.7. What mechanism is available for students to complain, voice grievances, seek counselling, and obtain resolution on academic and non-academic matters confidentially?

3.4. Student Representation and Participation

- 3.4.1. Describe the communication of policy/ guideline and processes in place for active student engagement in areas that affect their interest and welfare?
- 3.4.2. Explain and show evidence of student representation and organisation at the institutional and medical school levels.
- 3.4.3. a) Describe the medical school facilitation for students to develop linkages with external stakeholders?

b) Explain how the medical school facilitates students to gain managerial, entrepreneurial, and leadership skills in preparation for the workplace?
- 3.4.4. Explain how the medical school facilitates student activities and organisations that encourage character building, inculcate a sense of belonging and social responsibility, as a change advocate, and promote active citizenship?

3.5. Alumni

- 3.5.1. a) Describe the linkages established by the Medical School with the alumni.

b) Describe the role of the alumni in the development, review, and continuous improvement of the programme.

INFORMATION ON AREA 4: ACADEMIC STAFF

4.1. Recruitment and Management

4.1.1. a) Describe how the medical school's academic manpower planning is consistent with the medical school's policies and programme requirements.

b) Explain how the balance between the basic biomedical sciences and the clinical sciences ensures an appropriate balance between teaching, research, and service functions.

4.1.2. a) State the policy, criteria, procedures, terms, and conditions of service for the recruitment of academic staff.

b) Explain the due diligence exercised by the department in ensuring that the qualifications of academic staff are from bona fide institutions.

4.1.3. Provide data on the staff–student ratio appropriate to the teaching-learning methods and consistent with the programme requirements. (Kindly ensure the same table as 3.1.3)

4.1.4. a) Provide summary information on every academic staff member involved in conducting the programme in Table 5.

Table 5: Summary information on academic staff involved in the programme

No.	Name and designation of academic staff	Appointment status (full-time, part-time, contract, etc.)	Nationality	Courses taught in this programme	Courses taught in other programmes	Academic qualifications		Research focus areas (Bachelor and above)	Past work experience		
						Qualifications, Field of Specialisation, Year of Award	Name of Awarding Institution and country		Positions held	Employer	Years of Service (Start and End)
1.											
2.											
3.											
4.											

b) Provide Curriculum Vitae of each academic staff teaching in this programme containing the following:

- i. Name
- ii. Academic Qualifications
- iii. Full Registration number
- iv. Current Professional Membership
- v. Current Teaching and Administrative responsibilities
- vi. Previous Employment
- vii. Conferences and Training
- viii. Research and Publications
- ix. Consultancy
- x. Community Service
- xi. Other Relevant Information

c) Provide information on turnover of academic staff for the programme.

4.1.5. Describe how the department ensures equitable distribution of duties and responsibilities among the academic staff.

4.1.6. Describe how the recruitment policy or document for the medical programme seeks diversity among the academic staff.

4.1.7. a) State the policies, procedures, and criteria (including involvement in professional, academic, and other relevant activities, at national and international levels) for appraising and specialized academic staff.

b) How is the above information made known to the academic staff?

4.1.8. Describe the nature and extent of the national and international linkages to enhance teaching and learning in the programme.

4.2. Service and Development

- 4.2.1. Provide information on the departmental policy on service, development, and appraisal of the academic staff.
- 4.2.2. How does the department ensure that the academic staff are given opportunities to focus on their respective areas of expertise, such as curriculum development, curriculum delivery, academic supervision of students, research and writing, scholarly and consultancy activities, community engagement, and academically related administrative duties?
- 4.2.3.
 - a) State the medical school policies on conflict of interest and professional conduct of academic staff.
 - b) State the medical school procedures for handling disciplinary cases.
- 4.2.4. Describe the mechanisms and processes for periodic student evaluation of the academic staff. Indicate the frequency of this evaluation exercise. Show how this evaluation is taken into account for quality improvement.
- 4.2.5.
 - a) State the policies for training, professional development, and career advancement (e.g., study leave, sabbatical, advanced training, specialized courses, retooling, etc.) of the academic staff.
 - b) Describe the mentoring system or formative guidance for new academic staff.
- 4.2.6. Describe the opportunities available to academic staff to obtain professional qualifications and to participate in professional, academic, and other relevant activities at national and international levels. How does this participation enhance the teaching and learning experience?
- 4.2.7. Describe how the medical school encourages and facilitates academic staff in community and industry engagement activities. Describe how such activities are rewarded.

INFORMATION ON AREA 5: EDUCATIONAL RESOURCES

5.1. Physical Facilities

5.1.1. a) List the physical facilities required for the programme in Table 6.

Table 6: List of physical facilities required for the programme

No	Facilities	No.	Capacity
1	Lecture Halls		
2	Tutorial Rooms		
3	Discussion Rooms		
4	Laboratories and Workshops		
	- IT lab		
	- Science lab		
	-Moot court		
	-Clinical lab		
	-Others		
5	Library and Information Centres		
	Learning Support Centres		
6	Learning Resources Support		
7	Student Social Spaces		
8	Other Facilities, including		

	ICT-related facilities		
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b) Describe and assess the adequacy of the physical facilities and equipment in accordance with student numbers and group sizes (e.g., clinical skill lab and laboratories) as well as human resources (e.g., laboratory professionals and technicians).

c) Provide information on the clinical and practical facilities for programmes that require such facilities. State the location and provide agreements if facilities are provided by other parties/hospital and clinics.

d) Provide information on scheduling/time tabling arrangement of clinical training if the hospital is used by more than one medical school.

e) How are these physical facilities user-friendly to those with special needs? Provide a copy of any technical standards that have been deployed for students with special needs.

5.1.2. Show that the physical facilities comply with the relevant laws and regulations, including issues of licensing. Provide information on how these processes are regularly monitored and audited.

5.1.3. a) Explain the database system used in the library and resource centre.

b) State the number of staff in the library and resource centre and their qualifications.

c) Describe resource sharing and access mechanisms that are available to extend the library's capabilities. Comment on the extent of use of these facilities by academic staff and students. Comment on the adequacy of the library to support the programme.

d) State the number of reference materials related to the programme in Table 7.

Table 7: Reference materials supporting the programme

Resources supporting the programme (e.g., books, online resources- specify, etc)		Journals		State other facilities such as CD ROM, video and electronic reference material
		Number of Title	Number of Collection	
Books:				
E.g.- Ovid:				

5.1.4. a) Describe how the medical school maintains, reviews, and improves the adequacy, currency, and quality of its educational resources and the role of the medical school in these processes.

b) Provide the information on, and provision for, the maintenance of the physical learning facilities and educational resources.

5.1.5. a) Describe the policy on ethical use of information and communication technology, including social media.

b) Provide information on the availability and accessibility of web-based or other electronic media to students and staff.

5.2. Research and Development

5.2.1. a) Describe the policies, facilities, and budget allocation available to support research.

b) Describe the research activities of the medical school and the academic staff involved in them.

5.2.2. a) Describe how the medical school encourages interaction between research and learning. Show the link between the medical school's policy on research and the teaching-learning activities in the medical school.

b) State any initiatives taken by the medical school to engage students in research.

5.2.3. Describe the processes by which the medical school reviews its research resources and facilities and the steps taken to enhance its research capabilities and environment.

5.3. Financial Resources

5.3.1. Explain the financial viability and sustainability for the last three consecutive years with certified supporting documents.

5.3.2. Demonstrate that the medical school has clear procedures to ensure that its financial resources are sufficient and managed efficiently.

5.3.3. a) Indicate the responsibilities and lines of authority in terms of budgeting and resource allocation in the medical school.

b) Describe the medical school's financial planning for the programme in the next two years.

5.4. Educational Expertise

5.4.1. a) Describe the clear policy on the use of educational expertise in curriculum development and development of teaching-learning and assessment methods.

b) Provide evidence on the use of in-house or external educational expertise in staff development.

INFORMATION ON AREA 6: PROGRAMME MANAGEMENT

6.1. Programme Management

- 6.1.1. a) The medical school must define its management structure, functions, and decision-making components, including their relationships, and ensure these are clearly communicated to all stakeholders.
- b) The medical school must establish major committees with defined Terms of Reference (TOR) and scheduled meetings.
- 6.1.2. The medical school must have policies and procedures to ensure that accurate, relevant, and current information about the programme is publicly accessible, particularly to prospective students.
- 6.1.3. a) The medical school must implement policies and mechanisms for the regular review of its structures, functions, and core activities to ensure Continuous Quality Improvement (CQI), under the oversight of designated responsible personnel.
- b) The medical school must demonstrate substantial improvements resulting from these mechanisms.
- 6.1.4. The medical school must demonstrate, through formal documentation (such as terms of reference and minutes), that its academic board functions as an effective decision-making body with adequate autonomy to implement the curriculum.
- 6.1.5. The medical school must have formalized agreements between the HEP and its different campuses or partner institutions to ensure functional integration and the comparability of educational quality.
- 6.1.6. The medical school must:
- a) demonstrate constructive interaction with the health sector, government, and relevant societal sectors;

b) provide evidence of internal and external consultations; and

c) for new programme, substantiate the market need.

6.2. Program Leadership

6.2.1. The medical school must clearly define the appointment criteria and scope of duties for the programme leader.

6.2.2. The medical school must have a designated programme leader and clearly specify the required qualifications, experience, tenure, and responsibilities of the position.

6.2.3. The medical school must establish clear mechanisms for communication and decision-making between the programme leader, the medical school, and the HEP regarding staff recruitment, student admission, resource allocation, and strategic planning.

6.3. Administrative Staff

6.3.1. a) The medical school must have a defined administrative staffing structure that supports the programme.

b) The number of administrative staff must be determined by the operational needs of the programme, based on clear recruitment policies and terms of service.

c) The medical school must document that the available administrative staff are sufficient in number and appropriately qualified. (Table 8)

Table 8: Administrative staff for the programme

No.	Job Category	Minimum qualification	Number of staff required	Current number
1				
2				
3				

6.3.2. The medical school must implement mechanisms for the regular monitoring and performance appraisal of administrative staff.

6.3.3. The medical school must have a professional development scheme for administrative staff that addresses the current and future needs of the programme.

6.4. Academic Records

6.4.1. a) The medical school must have established policies regarding the nature, content, and security of student and academic staff records, ensuring alignment with HEP policies.

b) The medical school must implement protocols for the retention, preservation, and disposal of these records.

6.4.2. The medical school must maintain student records regarding admission, performance, completion, and graduation in a systematic manner that ensures their preservation for future verification.

6.4.3. The medical school must ensure the protection of individual privacy and the confidentiality of records in compliance with applicable laws.

6.4.4. The medical school must regularly review its record security policies and safety systems to address technological changes and implement continuous improvements.

INFORMATION ON AREA 7: PROGRAMME MONITORING, REVIEW AND CONTINUAL QUALITY IMPROVEMENT

7.1. Mechanisms for Programme Monitoring, Review and Continual Quality Improvement

- 7.1.1. The medical school must describe the policies and mechanisms for the regular monitoring and review of the programme.
- 7.1.2. The medical school must describe the roles and responsibilities of the designated Quality Assurance (QA) unit responsible for internal quality assurance.
- 7.1.3.
 - a) The medical school must describe the structure and procedures of the internal programme monitoring and review committee.
 - b) The medical school must describe the frequency and mechanisms for monitoring.
 - c) The medical school must describe how feedback is utilized for continuous improvement.
 - d) The medical school must explain how the programme keeps abreast with scientific and technological developments.
- 7.1.4. The medical school must describe the involvement of relevant stakeholders in the programme review and show how their views are taken into consideration.
- 7.1.5. The medical school must explain the mechanism to inform stakeholders of assessment results and how their views are considered for future programme development.
- 7.1.6. The medical school must explain how data on student performance, progression, attrition, graduation, and employability are analyzed for Continuous Quality Improvement (CQI) and provide evidence.

- 7.1.7. The medical school must describe how the findings of the review are presented to the Higher Education Provider (HEP) and the subsequent actions taken.
- 7.1.8. The medical school must explain the integral link between quality assurance processes and the achievement of the institutional purpose.

**APPENDIX 1:
SECTION 4
CORE
COMPETENCIES**

SECTION 4: Core Competencies

[Approved by Council on 19th August 2025 and 25th November 2025]

TABLE OF CONTENTS:

No	Discipline	Page
1.	Internal Medicine	53
2.	Paediatrics	65
3.	Psychiatry	79
4.	Public Health	83
5.	Primary Care	90
6.	Radiology	96
7.	Anaesthesiology	99
8.	Emergency Medicine	102
9.	Principle of Surgical Practices	113
10.	General Surgery	116
11.	Obstetrics and Gynaecology	126
12.	Orthopaedic/Traumatology	135
13.	ENT	143
14.	Ophthalmology	148
15.	Forensic Medicine	153
16.	Medical Ethics & Law	158
17.	Professionalism	162
18.	Interpersonal and Communication Skills	167

DISCIPLINE: INTERNAL MEDICINE**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems/Presentation

System: Respiratory

No	Problem (Respiratory)	Level
1	Haemoptysis	3
2	Cough	3
3	Stridor	3
4	Breathlessness	3

System: Gastroenterology

No	Problem (Gastroenterology)	Level
1	Anorexia	2
2	Vomiting	3

3	Diarrhoea	3
4	Dysphagia	3
5	Constipation	3
6	Abdominal pain	3
7	Abdominal distension	3
8	Hematemesis	3
9	Melaena	3
10	Weight loss	3
11	Jaundice	3

System: Rheumatology

No	Problem (Rheumatology)	Level
1	Joint complaint (pain, swelling and stiffness)	3
2	Muscle pain	2

System: Neurology

No	Problem (Neurology)	Level
1	Headache	3
2	Vertigo	2
3	Weakness	2
4	Loss of sensation	2
5	Incoordination	2
6	Speech disorders	2
7	Seizures	3
8	Acute confusion	3
9	Syncope/Loss of consciousness	3
10	Cognitive impairment	2

System: Skin

No	Problem (Skin)	Level
1	Blisters	2
2	Skin redness	2
3	Lump	2
4	Dry skin	3
5	Keloid	2
6	Hair loss	2
7	Oral ulcers	2

System: Immunology/Haematology

No	Problem (Haematology)	Level
1	Spontaneous bleeding	3
2	Pallor	3

System: Cardiology

No	Problem (Cardiology)	Level
1	Chest pain	3
2	Breathlessness	3
3	Palpitation	3

System: Endocrine

No	Problem (Endocrine)	Level
1	Polyuria, polydipsia, increased urinary frequency	3
2	Neck swelling	3

System: Nephrology

No	Problem (Nephrology)	Level
1	Frothy urine	2

2	Reduced urine volume	3
3	Haematuria	3
4	Dysuria	3

System: Infectious Disease

No	Diagnosis	Level
1	Fever	3
2	Needlestick Injuries	3

System: Palliative Care

No	Diagnosis	Level
1	Pain Management	3
2	End of Life Care	2
3	Palliative Care Needs Assessment	1

System: Geriatrics

No	Diagnosis	Level
1	Falls	2

2. List of Diagnosis

System: Infectious Disease

No	Diagnosis	Level
1	Dengue Fever	3
2	Leptospirosis	3
3	Malaria	3
4	Influenza/Influenza Like Illness	3
5	Melioidosis	2
6	HIV Infection	2

7	Sexually Transmitted Disease	2
8	Typhus	2
9	Typhoid	2
10	Covid 19	2
11	Sepsis and rational use of antibiotics	3

System: Emergency Medicine

No	Diagnosis	Level
1	Hypotension/Shock	3
2	Hypertensive Emergency/Urgency	3

System: Respiratory

No	Diagnosis	Level
1	Bronchial Asthma	3
2	Bronchiectasis	2
3	Lung Carcinoma	2
4	Pneumonia	3
5	Pulmonary Tuberculosis	3
6	Pneumothorax	3
7	Pleural Effusion	3
8	COPD (including Acute Exacerbation)	3
9	Pulmonary Embolism	3
10	Obstructive Sleep Apnoea	2
11	CXR interpretation	3
12	ABG interpretation	3

System: Gastroenterology

No	Diagnosis (Gastroenterology)	Level
1	Acute gastroenteritis	3

2	Food poisoning	3
3	Irritable bowel syndrome	2
4	Inflammatory Bowel disease	2
5	Gastrointestinal bleeding	3
6	Peptic ulcer disease	3
7	Acute hepatitis	3
8	Chronic Liver Disease	3
9	Hepatitis B	2
10	Hepatitis C	2
11	Acute Pancreatitis	2
12	Liver abscess	2
13	Food Allergy/Intolerance	2

System: Rheumatology

No	Diagnosis	Level
1	Osteoarthritis	3
2	Rheumatoid arthritis	2
3	Gout	3
4	Spondyloarthropathy	2
5	Septic arthritis	2
6	Systemic lupus erythematosus	2

System: Neurology

No	Diagnosis	Level
1	Stroke	3
2	Transient Ischemic attack	3
3	Epilepsy	3
4	Migraine headache	3
5	Alzheimer's disease	2

6	Parkinson's disease	2
7	Guillain-Barre syndrome	2
8	Myasthenia gravis	2
9	Meningitis	3
10	Encephalitis	3
11	Bell's palsy	3

System: Skin

No	Diagnosis	Level
1	Herpes zoster	3
2	Herpes simplex	3
3	Impetigo	3
4	Superficial Folliculitis	3
5	Scabies	3
6	Contact/Atopic Dermatitis	3
7	Psoriasis vulgaris	2
8	Acne vulgaris	2
9	Toxic Epidermal Necrolysis	2
10	Stevens-Johnson syndrome	2
11	Acute Urticaria	3
12	Skin Malignancy	2

System: Immunology/Haematology

No	Diagnosis	Level
1	Iron Deficiency Anaemia	3
2	Haemolytic Anaemia	3
3	Hemoglobinopathy	2
4	ITP	2
5	DIC	2

6	Blood Group Incompatibility	3
7	Lymphoma	2
8	Leukaemia	2
9	Multiple Myeloma	2
10	Anaphylactic Reaction	4

System: Cardiology

No	Diagnosis	Level
1	Acute coronary syndrome	3
2	Heart failure	3
3	Hypertension	3
4	Arrhythmias	3
5	Infective endocarditis	2
6	Valvular heart disease	2
7	Cardiogenic shock	3
8	Pulmonary oedema	3
9	ECG interpretation	3

System: Nephrology

No	Diagnosis	Level
1	Acute kidney injury	3
2	Chronic kidney disease	3
3	Urinary tract infection	4
4	Nephrotic syndrome	2
5	Glomerulonephritis	2
6	ESRF/RRT	2
7	Catheter-related blood stream infection	2

System: Endocrinology and Metabolism

No	Diagnosis	Level
1	Diabetes mellitus	3
2	Diabetic ketoacidosis	3
3	Hyperosmolar hyperglycemic state	3
4	Hypoglycemia	3
5	Thyrotoxicosis	3
6	Hypothyroidism	3
7	Thyroid crisis	3
8	Obesity	3
9	Dyslipidemia	3
10	Fluid and electrolytes disorders	3

System: Geriatrics

No	Diagnosis	Level
1	Fall	3

3. Clinical skills

1. Physical examination: general and organ specific
2. Investigations
3. Procedures: diagnostics, therapeutics

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision

4	Able to relate the theory and principles and indications of the specific task Able to perform the task
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Physical examination: General

No	Physical examination: General	Level
1	General appearance	4
2	Glasgow coma scale	4
3	Mental state examination	4
4	Vital sign	4
5	Capillary blood glucose monitoring	4
6	Peak flow monitoring	4
7	Skills for inhaler technique	4
8	Pallor	4
9	Jaundice	4
10	Skin rashes	3
11	Oral cavity	3
12	Muscle wasting	4
13	Tremors	4
14	Neck Inspection and palpation (e.g. Submandibular, parotid glands, Lymph node, Thyroid)	4
15	Neck stiffness	4
16	Nail inspection (e.g. Clubbing, Leukonychia)	4
17	Gynecomastia	4
18	Hair loss	4

Physical examination: Organ specific

No	Physical examination: Organ specific	Level
1	Respiratory system examination (e.g. Chest	4

	inspection, Chest palpation, Chest percussion, Chest auscultation)	
2	Abdominal examination (e.g. Liver, Spleen, Kidneys, Ascites)	4
3	PR examination	4
4	Peripheral joint examination	4
5	Spine examination	4
6	Neurology examination (e.g. Gait, Cranial nerves, Motor system, Cerebellar system, Sensory system, Speech and language)	4
7	Skin examination (e.g. Skin inspection, Membrane mucosa inspection, Perianal area inspection, Nail inspection, Hair and Scalp inspection, Skin palpation)	4
8	Wound inspection	4
9	Describe skin lesion (primary/secondary changes, size, distribution, spread and configuration)	4
10	Cardiovascular examination (e.g. Heart sound, assessment of JVP)	4
11	Thyroid examination (e.g. Signs of hyperthyroidism and hypothyroidism)	4

Investigations and Procedures

No	Investigations	Level
1	Blood culture	4
2	ECG – perform	4
No	Procedures	Level
1	Venepuncture	4
2	Inserting an IV cannula	4
3	Insertion of urinary catheter (male and female)	3
4	Insertion of Ryles tube	3
5	Cardiopulmonary Resuscitation (bag mask, chest compression, intubation, defibrillation)	4
6	Long line insertion	2
7	Central line insertion (jugular or subclavian and femoral)	2
8	Echocardiogram	2

9	Dialysis catheter insertion	2
10	Lumbar puncture	2
11	Joint aspiration	2
12	Joint injection	2
13	Abdominal paracentesis	2
14	Thoracocentesis	2
15	Chest tube insertion	2
16	Perform ABG	3
17	Blood smears (thick and thin film)	2

DISCIPLINE: PAEDIATRICS**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on history taking, physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on history taking, physical examination and basic investigations. Initiate initial treatment, identify priorities in treatment Refer to the relevant specialist
4	Able to make diagnosis based on history taking, physical examination and basic investigations. Manage and solve the problem

1. List of Problems

General:

No	Problem	Level
1	Normal growth and development in children	2
2	Secondary sexual characteristics	2
3	Breastfeeding	2
4	Childhood immunization	2
5	Fever	3
6	Weight loss and failure thrive	2
7	Poor feeding	2
8	Rash	3
9	Features of child abuse and neglect	2

10	Common poisoning and bites	2
11	Unexplained infant/cot death	2
12	Pyrexia of unknown origin	2
13	Emergencies	
	- obstructed airway	3
	- laboured breathing	3
	- a child with shock	3
	- near-drowning	1
	- status epilepticus	3
	- unconcious child	3

System: Respiratory

No	Problem	Level
1	Cough- acute	2
2	Cough- chronic	2
3	Breathlessness	3
4	Stridor	3
5	Wheeze	3
6	Sore throat	2
7	Hoarseness of voice	2
8	Chest tightness	2
9	Rhinorrhoea	2
10	Ear ache/discharge	2

System: Cardiovascular

No	Problem	Level
1	Cyanosis	3
2	Breathlessness	3
3	Feeding difficulties	2
4	Oedema	2
5	Failure to thrive	2

6	A child with fever, rash and joint pain	2
7	Palpitation	2
8	Syncopal attack	2
9	Hypertension	2

System: Gastrointestinal

No	Problem	Level
1	Vomiting and regurgitation	2
2	Diarrhoea	3
3	Abdominal distension	2
4	Abdominal pain	2
5	Melaena and per rectal bleed	2
6	Haematemesis	2
7	Constipation	2
8	Jaundice	2
9	Difficulty swallowing	2

System: Genitourinary

No	Problem	Level
1	Dysuria	2
2	Haematuria/discoloured urine	2
3	Oliguria	2
4	Oedema	2
5	Enuresis	2
6	Poor urinary stream	2

System: Haematological and Oncological

No	Problem	Level
1	Pallor	2

2	Bruise and petechiae	2
3	Mucosal bleed	2
4	Joint bleed	2
5	Jaundice	2
6	Abdominal distension	2
7	Lymphadenopathy	2

System: Neurological

No	Problem	Level
1	Seizure	3
2	Altered consciousness/behaviour and blank stare	2
3	Weakness of the limbs	2
4	Headache	2
5	Vomiting	2
6	Visual disturbance/Squint	2

System: Developmental issues

No	Problem	Level
1	Developmental delay	2
2	Learning disabilities	2
3	Specific speech delay	2
4	Behavioural issues including temper tantrum, sleep problems	2
5	Attention deficit and hyperactivity	2

System: Endocrine, metabolic and nutrition

No	Problem	Level
1	Polyuria	2
2	Polydipsia	2

3	Short stature	2
4	Failure to thrive/poor growth	2
5	Overweight and obesity	2

System: Neonatology

No	Problem	Level
1	Respiratory distress	2
2	Neonatal jaundice	3
3	Prolonged neonatal jaundice	2
4	Neonatal seizures	2
5	Infant of diabetic mother	2
6	Prematurity and low birth weight	2

System: Genetics/metabolic

No	Problem	Level
1	A child with dysmorphic features	2

System: Infection, Immunology/autoimmune disease/immune-mediated disease, musculoskeletal and rheumatology

No	Problem	Level
1	A child with joint pain	2
2	A child with fever and rash	2
3	Failure to thrive and recurrent infections (thrush and abscesses)	2

System: Dermatology

No	Problem	Level
1	Common rash manifestations: bullous, maculopapular, urticarial, petechial	2
2	Birth mark	2

3	Neurocutaneous stigmata	2
4	Cutaneous vascular manifestation	2

2. List of Diagnosis

General

No	Diagnosis	Level
1	Non-accidental injury	2
2	Shock	3
3	Dehydration	
	A: Hyponatraemic dehydration	2
	B: Hypernatraemic dehydration	2
	C: Normonatremic dehydration	3
4	Drug poisoning	2
5	Animal and insect bites	2
6	SIDS	2

System: Respiratory

No	Diagnosis	Level
1	Acute tonsillitis	2
2	Laryngotracheobronchitis	3
3	Acute epiglottitis	3
4	Acute bronchiolitis	3
5	Chronic stridor (including laryngomalacia)	2
6	Recurrent viral-induced/multi-trigger wheeze	2
7	Bronchial asthma	3
8	Pneumonia	3
9	Tuberculosis	2

10	Foreign body inhalation	2
11	Pertussis	2
12	Otitis media	2

System: Cardiovascular

No	Diagnosis	Level
1	Congenital cyanotic heart diseases	2
2	Congenital acyanotic heart disease	2
3	Rheumatic heart disease	2
4	Bacterial endocarditis	2
5	Heart failure	2
6	Hypertension	2

System: Gastrointestinal

No	Diagnosis	Level
1	Acute gastroenteritis	3
2	Dysentery	2
3	Acute abdomen and structural GI disorders, e.g. Hirschsprung's, duodenal atresia, pyloric stenosis (Paediatric Surgery)	2
4	Functional GI disorders (constipation)	2
5	Gastroesophageal reflux	2
6	Infantile colic	2

System: Genitourinary

No	Diagnosis	Level
1	Urinary tract infection	2
2	Nephrotic syndrome	2
3	Nephritic syndrome	2
4	Enuresis	2

System: Haematological and Oncological

No	Diagnosis	Level
1	Anaemia:	
	A: Iron deficiency anaemia	3
	B: Acute haemolytic anaemia	2
	C: Chronic haemolytic anaemia and haemoglobinopathy	2
2	Haemophilia	2
3	Immune thrombocytopaenic purpura	2
4	Leukaemia and lymphoma	2
5	G6PD deficiency	2

System: Neurological

No	Diagnosis	Level
1	Afebrile seizures	2
2	Febrile seizures	2
3	Meningitis and encephalitis	2
4	Acute flaccid paralysis including Guillain-Barré	2
5	Cerebral palsy	2
6	Hydrocephalus	2
7	Spina Bifida	2

System: Developmental issues

No	Diagnosis	Level
1	Autistic spectrum disorder	2
2	Attention deficit hyperactivity disorder	2
3	General and Specific Developmental Delay	2

System: Endocrine, metabolic and nutrition

No	Diagnosis	Level
1	Diabetes mellitus	2
2	Hypothyroidism	2
3	Short stature	2
4	Overweight and obesity	2
5	Failure to thrive	2
6	Protein-energy malnutrition (Kwashiorkor, Marasmus)	2

System: Neonatology

No	Diagnosis	Level
1	Respiratory distress syndrome	2
2	Meconium aspiration syndrome	2
3	Neonatal jaundice	3
4	Prolonged jaundice	2
5	Neonatal sepsis	2
6	Neonatal encephalopathies	2
7	Infant of diabetic mother	2
8	Prematurity and low birth weight	2
9	Neonatal seizures	2
10	Birth injuries	2
11	Neonatal skin conditions	2

System: Genetics/metabolic

No	Diagnosis	Level
1	Down syndrome	2
2	Turner syndrome	2
3	Edward and Patau Syndrome	1

4	Inborn errors of metabolism	1
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System: Immunology/allergy/autoimmune disease or immune-mediated diseases

No	Diagnosis	Level
1	Kawasaki disease	2
2	Henoch-Schönlein Purpura	2
3	Anaphylaxis and hypersensitivity reaction	3
4	Cow's milk protein allergy (CMPA)	2
5	Juvenile idiopathic arthritis (JIA)	2
6	Systemic lupus erythematosus (SLE)	2
7	Primary immunodeficiencies	1

System: Infection

No	Diagnosis	Level
1	Vaccine-preventable diseases: measles, mumps, rubella, diphtheria, pertussis, hepatitis, H. influenza diseases	2
2	Scarlet fever	2
3	Meningococcaemia	2
4	Human Immunodeficiency Virus (HIV)	1
5	Intrauterine infections	2
6	Varicella zoster	3
7	Dengue	3
8	Typhoid	2
9	Helminthic infestation	2
10	Malaria	2
11	Leptospirosis	2
12	Hand foot mouth disease	3
13	COVID-19 & MISC	2

System: Dermatology

No	Diagnosis	Level
1	Impetigo	2
2	Scabies	2
3	Eczema	2
4	Seborrheic dermatitis	2
5	Haemangiomas	2
6	Urticaria	2
7	Nappy rash	2
8	Neurocutaneous disorders	2

3. Clinical skills

1. History and Physical examination
2. Investigations
3. Procedures- diagnostics, therapeutics.

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

Physical examination: General

No	Physical examination	Level
	General	
1	General appearance	4
2	Anthropometric measurement and centile chart	4
3	Vital signs	
	A: Pulse examination (rate, rhythm, volume)	4
	B: Blood pressure	4
	C: Respiratory rate	4
	D: SpO ₂	4
4	Nutritional assessment	3
5	Hydration status assessment	4
6	General inspection for anaemia and jaundice	4
7	General inspection for cyanosis (peripheral and central)	4
8	Inspection of the nails: clubbing, leukonychia	4
9	Able to describe common dysmorphic features	3
10	Skin features: rash, bruises, marks	4
11	Examination of the ear, nose and throat	4
12	Examination of the neck: cervical lymph node and other masses	4
13	Examination of the spine and back: webbed neck, spina bifida, neurocutaneous stigmata	3

Physical examination: Organ system

No	Physical examination	Level
1	Complete cardiovascular system examination *	4
2	Complete respiratory system examination *	4
3	Complete gastrointestinal examination *	4
4	Central nervous system examination	4

	(higher mental function, cranial nerves, upper and lower limb examination)	
5	Musculoskeletal system examination	4
6	Developmental assessment	4
7	New-born screening	4

* Follows the standard systemic examination which includes inspection, palpation, percussion and auscultation, whenever appropriate

Procedures: General

No	Procedures General	Level
1	Measurements of weight, height and head circumference	4
2	Preparation and administration of oral rehydration solution	4
3	Application of pulse oximeter	4
4	Peak flow measurement	4
5	Delivery of bronchodilator devices	4
6	Administering oxygen using different delivery devices	3
7	Venepuncture (children)	2
8	Intravenous cannulation (children)	2
9	Venepuncture (neonates)	2
10	Intravenous cannulation (neonates)	2
11	Nasogastric tube insertion	2
12	Heel prick	2
13	ECG – record and interpretation	3
14	Resuscitation of children	2
15	Blood culture	2
16	Lumbar puncture	2

17	Bladder catheterization	2
18	Suprapubic aspiration and catheterization	1
19	Neonatal resuscitation	2
20	Intraosseous line insertion	1
21	Umbilical venous catheterisation	1
22	Exchange transfusion	1
23	Arterial blood sampling	1
24	Chest tube insertion	1

No	Investigations (includes interpretation)	Level
1	FBC	3
2	FBP	3
3	RP	3
4	LFT	3
5	Blood gas (ABG/VBG)	3
6	UFEME	3
7	CSF analysis	3

DISCIPLINE: PSYCHIATRY**Clinical problems and diseases level descriptors**

1	Aware of the condition based on literature at level of overview, and refer to the relevant specialist when necessary
2	Able to make provisional diagnosis based on history taking, mental state examination, physical examination and basic investigations. Refer to the relevant specialist.
3	Able to make provisional diagnosis based on history taking, mental state examination, physical examination and basic investigations. Initiate treatment, and refer to relevant psychiatrist
4	Able to make provisional diagnosis based on history taking, mental state examination, physical examinations and basic investigations. Manage and solve the problem.

1. List of Problems/ Presentation

General:

No	Problem	Level
1	Changes in mood (including depression and elation)	3
2	Anxiety	3
3	Stress (including acute and chronic)	3
4	Psychosis	3
5	Cognitive impairment	2
6	Changes in appetite	3
7	Sleep disturbances	3
8	Aggression	3
9	Suicidal risk	3
10	Self-harm	3
11	Learning disability and developmental delay	2
12	Behavioural problems in children	2

13	Impairment in psychosocial function (eg: low work performance, absenteeism etc)	2
14	Sociological issues in psychiatry (ethics, law and human's rights, life events, stigma, spirituality)	2
15	Sexual dysfunction	2
16	Gender dysphoria	1

2. List of Diagnosis and theoretical knowledge

No	Diagnosis	Level
1	Simple classification of psychiatric disorders (DSM and ICD)	3
2	Anxiety disorders	3
3	Mood disorders	3
4	Psychosis and specifically schizophrenia	3
5	Substance related disorders especially alcohol and drugs (acute and chronic effects)	3
6	Neurocognitive disorders (dementia)	2
7	Acute reactions to stress and PTSD	2
8	Eating disorders	2
9	Disorders of personality	2
10	Psychiatric condition due to general medical condition (including delirium)	3
11	Deliberate self-harm	3
12	Major disorders in childhood and differences in assessment	2
13	Differences in presentation in older people	2
14	Problems of those with learning disability	2
15	Psychosomatic disorders and comorbidity (mental with physical illnesses)	2
16	Obsessive compulsive disorder and related disorder	2

17	Dissociative disorder	1
18	Psychiatric emergencies (eg: Neuroleptic Malignant Syndrome, Serotonin Syndrome, Delirium Tremens, acute dystonia, Lithium toxicity, serious side effect of clozapine)	3
19	Promoting recovery in persons with mental illness	2

3. List of Clinical skills

Clinical Skills level descriptors

	Clinical skills
1	Able to describe task
2	Able to apply principles or theory of specific task. May have seen task being performed
3	Have experience performing task or perform under supervision
4	Able to relate theory and principles and indications of specific task. Able to perform task.

No	Skills	Level
1	History taking	
	a. Interview techniques	4
	b. Case formulation (making diagnosis and problem list)	4
2	Mental state examination	4
3	Physical examination	4
4	Differentiate between mental disorder and normal psychological responds to life stressors	4
5	Summarize and present a psychiatric case	4
6	Investigations (biological & psychosocial)	4
7	Basic management	
	a. Pharmacological	3

	b. Psychological	3
	c. Social	2
8	Procedures	
	a. ECT	1
	b. Psychoeducation	3
	c. Supportive psychotherapy	3
	d. Counselling	3
	e. De-escalation & restraining	2
	f. Suicidal risk assessment and initial management	3
	g. Dealing with persons with psychological distress	3
	h. Mental health promotion	2

DISCIPLINE: PUBLIC HEALTH**Level of Descriptors of Public Health**

Level	Descriptor
1	Have a basic knowledge and able to describe programmes / activities
2	Able to do situational analysis based on available information / data.
3	Able to do situational analysis based on available information / data. Propose recommendations.
4	Able to do situational analysis based on available information / data. Manage and solve the public health problem. Dissemination of information.

List of Topics under Public Health

No	Topics
1.	Epidemiology
2.	Medical Statistics
3.	Maternal and Child Health
4.	Occupational Safety and Health
5.	Environmental Health and Sanitation
6.	Nutrition
7.	Health Promotion
8.	Health Management
9.	International Health
10.	Public Health Policy and Legislation

11.	Health Information Management
12.	Healthcare of the Elderly and Special Needs
13.	Adolescent, Woman & Men Health
14.	Evidence Based Practice

List of Public Health Core Competencies

No	Monitoring and Analysis of Health Situation	Level
1	<p>Epidemiologic Principles</p> <p>Dynamics of Disease Transmission</p> <p>Spectrum of Disease</p> <p>Levels of Disease Prevention</p> <p>Prevention Strategies and Evaluation of Screening</p> <p>Measures of morbidity and mortality</p> <p>International Classification of Diseases</p>	2
2	<p>Population demography</p> <p>Health data</p> <p>Vital statistics</p> <p>Death certification</p> <p>Population pyramid</p>	2
3	<p>Issues in Maternal & Perinatal Health</p> <p>Risk assessment – i.e. colour coding</p> <p>Maternal mortality ratio (MMR)</p> <p>Perinatal mortality</p> <p>Prevention of maternal & perinatal problems – ie safe motherhood programme</p>	3

4	<p>Issues in Child Health</p> <p>Neonatal screening</p> <p>Immunization</p> <p>Child growth and developmental assessment</p> <p>Screening for Children with special needs</p> <p>Child Neglect & Maltreatment</p> <p>Adolescent Health</p> <p>Nutrition problems – undernourished / obesity / stunting</p> <p>Under-5 mortality</p>	3
5	<p>Occupational Safety and Health</p> <p>Occupational diseases & Injuries</p> <p>Risk Assessment & level of prevention</p>	2
6	<p>Environmental Health and Sanitation</p> <p>Pollution – Air, Water, Land pollution</p> <p>Sanitation & waste management</p> <p>Safe water supply</p> <p>Food safety & quality</p>	1
7	<p>International Health</p> <p>International Health Regulation</p> <p>Migration and Travelling health</p> <p>Global health</p>	1
8	<p>Community Nutrition</p> <p>Nutritional assessment</p>	2

	Nutritional intervention – i.e. food basket programme, supplementation of iodide salt etc. Breastfeeding initiatives	
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No	Epidemiologic Surveillance, Prevention and Control of Disease/Problem in Public Health	Level
1	Levels of Disease Prevention	3
2	Surveillance	2
3	Epidemiologic Investigation – outbreak investigation	2
4	Screening programme	2
5	Prevention and control of Communicable diseases Airborne diseases Vector borne diseases Food and Waterborne diseases Zoonotic diseases Vaccine preventable disease Sexually transmitted diseases Emerging & Re-emerging diseases	3
6	Prevention and control of non-communicable diseases Cardiovascular diseases Cerebrovascular diseases Cancers Substance Abuse Motor-vehicle injuries Mental health Community empowerment & community mobilization	3

No	Policy and Implementation of Public Health Laws	Level
1	Legislations & enforcement related to: Communicable diseases Non-communicable diseases Food Safety and Quality Environmental health Occupational Safety and Health International Health	1
2	Available policy related to health ie. <i>Dasar kesehatan warga emas negara</i>	1

No	Awareness of Strategic Planning and Administration in Health System including Human Resource Management	Level
1	Health Care Services Management	1
2	Health Information System	1
3	Managing a healthcare team	1
4.	Maintaining quality of health services i.e. health indicators	1

No	Health Promotion and Social Involvement	Level
1	Planning and Implementation of Health Promotion activities	4
2	Community empowerment & mobilization	3
3	Lifestyle diseases and wellness promotion	3
4	Disaster Preparedness plan	1

No	Community Health Research, Epidemiologic Research, Statistics and Analysis of Data	Level
1	Epidemiological Studies	3

	<p>Cross-sectional study design</p> <p>Case-Control study design</p> <p>Cohort study design</p> <p>Intervention studies</p> <p>Measures of association & causation</p> <p>Sampling method & sample size calculation</p>	
2	<p>Principles of Medical Statistics</p> <p>Presentation of data, types of data</p> <p>Measures of central tendency</p> <p>Measures of dispersion</p> <p>Probability distributions</p> <p>Estimation</p> <p>Basic Hypothesis testing (<i>t</i>-test, Chi² test, ANOVA, Correlation and regression)</p>	3
3.	Evidence based practice	1

Field work Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	<p>Able to apply the principles or theory of the specific task.</p> <p>May have seen the task being perform</p>
3	Have experience performing the task or perform under supervision
4	<p>Able to relate the theory and principles and indications of the specific task</p> <p>Able to perform the task</p>

Field work skills

No	Skills	Level
1	Public Health Research – Data collection, Data analysis, Report	3
2	Health promotion activities – Health screening, Talks, Home visit, Individual advice	3
3	Disease Surveillance activities	1
4	Notification of diseases	2
5	HIRARC (Hazard identification, Risk assessment and Risk Control)	1

DISCIPLINE: PRIMARY CARE**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	<ul style="list-style-type: none"> Aware of the condition based on literature at the level of overview
2	<ul style="list-style-type: none"> Able to make provisional diagnosis based on history, physical examination and basic investigations and, Consults with a senior doctor/specialist family medicine for further management
3	<ul style="list-style-type: none"> Able to make provisional diagnosis based on history, physical examination and basic investigations and, Initiate initial treatment/management and Consults with a senior doctor/specialist family medicine for further management
4	<ul style="list-style-type: none"> Able to make provisional diagnosis based on history, physical examination and basic investigations and Manage and solve the problem independently

1. List of Problems/ Presentation

No	Problem	Level
1.	Abdominal Pain	3
2.	Men's Health <ul style="list-style-type: none"> I. Cancer Screening II. Erectile Dysfunction III. Prostate Disease 	2
3.	Allergy / Allergic Reaction	3
4.	Women's Health <ul style="list-style-type: none"> i. Cancer screening ii. Family planning iii. Pre pregnancy care iv. Abnormal uterine bleeding v. Menopause vi. Vaginal discharge vii. Basic antenatal care viii. Postnatal care 	3
5.	Anxiety	3

6.	Chronic Lung Disease i. Bronchial Asthma ii. Chronic Obstructive Pulmonary Disease (COPD)	3
7.	Chest Pain	3
8.	Common Skin Problems seen in Primary Care i. Dermatitis/ Eczema ii. Scabies/Lice Infestation iii. Fungal Skin Infections iv. Impetigo v. Acne vi. Herpes Zoster vii. Lumps and Bumps	3
9.	Red Eye	3
10.	Cough	3
11.	Dengue	3
12.	Depression	2
13.	Diabetes Mellitus	3
14.	Dizziness	3
15.	Elderly Health Care i. Impaired cognition ii. Urinary incontinence iii. Instability iv. Falls v. Immobility	2
16.	Fatigue	3
17.	Fever	3
18.	Acute Respiratory Tract Infections	3
19.	Diarrhoea	3
20.	Headache	3
21.	Hypertension	3
22.	Joint Pain	3
23.	Cardiovascular Risk Assessments	3
24.	Lipid Disorders	3
25.	Low Back Pain	3

26.	Child Health	2
	i. Development Disorders	
	ii. Childhood immunization	3
	iii. Neonatal Jaundice	
	iv. Feeding problems and failure to thrive	
	v. Rash in Children	
27.	Adolescent Health	2
28.	Tuberculosis	3
29.	Urinary Tract Infection	3
30.	Chronic Kidney Disease	3
31.	Sexually Transmitted Infection	3
32.	Travel Medicine	1
33.	Addiction	1
	i. Smoking	
	ii. Alcohol	
	iii. Opioids	
34.	Human Immunodeficiency Virus (HIV)	2
35.	Weight Loss	3
36.	Thyroid Problems	3

2. Clinical skills

1. Physical examination
2. Investigations
3. Procedures- diagnostics, therapeutics.

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision

4	Able to relate the theory and principles and indications of the specific task Able to perform the task independently.
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2.1 Physical examination: General

No	Physical examination	Level
	General	
1	General appearance	4
2	Blood pressure, pulse measurement and perfusion	4
3	Height measurement	4
4	Weight measurement	4
5	Waist circumference measurement	4
6	Head circumference measurement	4
7	Temperature measurement	4
8	Mental status examination	4
9	Respiratory Rate	4
10	Pain Score	4

2.2 Physical examination: Organ system

No	Physical examination	Level
1	Respiratory examination	4
2	Cardiovascular examination	4
3	Abdominal examination	4
4	Musculoskeletal examination	4
5	Neurological examination	4
6	Antenatal examination including the usage of handheld foetal doppler monitor	4
7	Eye examination including direct ophthalmoscopy	4
8	Ear examination	4
9	Per rectal examination	4

10	Foot examination	4
11	Development Assessment	4
12	Assessment of Activity of Daily Living	4
13	Breast Examination	4

2.3 Investigations

No	Investigations	Level
	Interpretation of the following blood investigations <ul style="list-style-type: none"> • Full blood count • Glucose/glucose tolerance • Renal profile with eGFR • Lipid profile • Liver function test • HbA1c • Urate/uric acid • Thyroid function • Hepatitis serology • HIV investigations • Total serum bilirubin 	3
2	Interpretation of urine pregnancy test	4
3	Interpretation of urine test (urine analysis, dipstix test)	3
4	Interpretation of sexual transmitted disease investigation results	3
5	Interpretation of Tuberculosis investigation results (radiological investigations, microbiology tests, sputum investigations, Mantoux test and others)	3
6	Basic Obstetric ultrasound	1
7	Chest X-ray interpretation	3
8	Electrocardiogram	4
9	Spirometry	1
10	Interpret commonly used point of care testing <ul style="list-style-type: none"> i. HIV Rapid Test ii. Dengue Combo test 	3
11	Fundus photo interpretation	2

2.4 Procedure

No	Procedure	Level
1	Venepuncture	3
2	Pap smear	3
3	Toilet & suturing	2
4	Incision and drainage	2
5	Delivery of bronchodilators – MDI & Nebulizer	4
6	Eye irrigation	2
7	Insulin injection technique	4
8	Urethral swab and smear	3
9	Throat swab	2
10	Perform Directly Observed Therapy (DOTS)	3
11	Performing referral (written or verbal)	3
12	IUCD counselling, insertion / removal	2
13	Mantoux test	2
14	Vaccination	3
15	Wound care	3
16	High Vaginal Swab	3
17	Proctoscopy	3
18	Peak flow meter (new)	3

DISCIPLINE: RADIOLOGY

Level	Descriptors
1	Able to describe the imaging investigation
2	Identify the clinical indication(s) of the investigation
3	Able to justify the optimal imaging modality required for that particular clinical scenario under guidance.
4	Able to interpret the investigation under guidance.

1. Principles of Radiological Techniques and Radiation Safety

No	Task	Level
1.	Communicate the procedure of common radiological methods to the patient	2
2.	Request for appropriate investigations and have knowledge of the respective indications	3
3.	Understand the basics of radiation, MRI and basic contrast medium safety	3

Systems:

1. Chest

No	Task	Level
1.	Basic normal radiological anatomy of heart and lungs	3
2.	Basic understanding of main imaging techniques (radiography, CT and MRI) in thoracic imaging	2
3.	Pneumothorax	4
4.	Pleural effusion	4
5.	Lung/lobar collapse	3
6.	Lung consolidation	3
7.	Heart failure	3

2. Abdomen

No	Task	Level
1.	Basic normal radiological anatomy of abdomen	3
2.	Basic understanding of main imaging techniques (radiography, ultrasound and CT) in abdominal imaging	2
3.	Pneumoperitoneum	4
4.	Acute abdomen - traumatic or non-traumatic	3
5.	Bowel obstruction - mechanical and paralytic ileus	3
6.	Common causes of abdominal calcification	3
7.	Foreign body	3

3. Musculoskeletal

No	Task	Level
1.	Basic normal radiological anatomy of musculoskeletal system	3
2.	Basic understanding of main imaging techniques (radiography, CT and MRI) in musculoskeletal imaging	2
3.	Skeletal and spinal fractures	3
4.	Skeletal joint dislocation / spinal dislocation	3
5.	Bone and soft tissue infection	2
6.	Bone and soft tissue tumour	2

4. CNS

No	Task	Level
1.	Basic normal radiological anatomy of CNS	3
2.	Basic understanding of main imaging techniques (radiography, CT and MRI) in CNS imaging	2
3.	Infarct	3
4.	Intracranial bleed / Trauma	4
5.	Infection and tumour	2

5. Paediatrics

No		Level
1.	Basic normal understanding of main imaging techniques (radiography, CT and MRI) in paediatric imaging	2
2.	Non-accidental trauma	2
3.	Basic imaging features of the most common disorders of the brain, spine, chest, abdomen, and musculoskeletal system in neonates, infants, children and adolescents	1

6. Breast imaging

No		Level
1.	Basic normal understanding of main imaging techniques (mammogram and ultrasound) in breast imaging	2

7. Genitourinary Imaging

No		Level
1.	Basic normal radiological anatomy of genitourinary system	3
2.	Basic understanding of main imaging techniques (radiography, ultrasound, CT and MRI) in genitourinary imaging	2

8. Head and Neck Imaging

No		Level
1.	Basic understanding of main imaging techniques (radiography, ultrasound, CT and MRI) in head and neck imaging	2

DISCIPLINE: ANAESTHESIA**Clinical Skills Levels Descriptors:**

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task May have seen the task being perform
3	Have experience performing the task or perform under supervision or perform in simulated environment
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

1. List of Problems (Clinical Skills)

General:

No	Items	Level
1	Airway management (ETT intubation /LMA insertion)	2
2	Airway management (Bag mask ventilation, Oropharyngeal airway)	3
3	Oxygen therapy	3
4	Induction of anaesthesia	2
5	Post op anaesthetic care (recovery room)	2
6	Patient safety (SafeSurgerySavesLives checklist)	2
7	Pain Score assessment	3
8	Peripheral IV access	3
9	Central IV access	1
10	Perioperative fluid management and resuscitation	2

11	Arterial Blood Gas	2
12	Preparation of IV drugs	2
13	Endotracheal tube suctioning	2
14	Intra hospital transport of the critically ill patient.	1
15	Local anaesthetic administration	2
16	Discharge from recovery room (checklist)	2

Theory Levels Descriptors:

Level	Theory : Descriptors
1	Recognise and recall facts
2	Discuss/explain what the facts mean
3	Apply concepts
4	Analyse components

2. Theory (Clinical Problems and Diseases)

System:

No	Item	Level
1	General anaesthesia (induction, maintenance and reversal)	2
2	Regional anaesthesia	2
3	Local anaesthesia toxicity	2
4	Airway management	2
5	Introduction to Anaesthesia workstation	1
6	ICU invasive & non-invasive ventilation	1

3. Clinical skills

1. History
2. Physical examination

3. Investigations
4. Procedures- diagnostics, therapeutics.

Clinical Problems and Diseases: Level Descriptors

Level	Descriptors
1	Aware of condition
2	Able to make provisional diagnosis
3	Able to initiate initial treatment
4	Able to manage and solve problem

Preanaesthetic History: General (Clinical Problems and Diseases)

No	Items	Level
1	Previous anaesthetic history	1
2	Allergy	1
3	Comorbid	1
4	Medical/Surgical history (e.g. respiratory tract infections, previous op)	1
5	History of difficult intubation/airway	1
6	History of ICU/HDW admissions	1
7	ASA classification	1

Investigations/Procedures- diagnostics, therapeutics. (Clinical Problems and Diseases)

No	Items	Level
1	Airway assessment	1
2	Basic monitoring (patient vitals)	2
3	General, CVS, Respiratory, BMI status	2

DISCIPLINE: EMERGENCY MEDICINE**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer/consult to the superior (medical officer/specialist)
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer/consult to the superior (medical officer/specialist)
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems

General Emergency Medicine:

No	Problem	Level
1	Physiology of Resuscitation	2
2	Cardiopulmonary resuscitation	3
3	Trauma resuscitation	2
4	Resuscitation Special population: Paediatrics	1
5	Resuscitation Special population: Obstetrics & Gynaecology	1
6	Triage	2
7	Disaster management	2
8	Patient transfer	1

General:

No	Problem	Level
1	Fever	1
2	Weight and appetite lost	1
3	Oedema	1
4	Jaundice	1
5	Rash	1
6	Altered mental status	2
7	Chills and rigors	1
8	Joint pain and swelling	1
9	General weakness and lethargy	1
10	Palpitations	1
11	Myalgia and arthralgia	1
12	Pallor	1
13	Breathlessness	2
14	Shock	2

System: Cardiovascular

No	Problem	Level
1	Chest pain/discomfort	2
2	Breathlessness	2
3	Shock (peripheral hypoperfusion, hypotension, diaphoresis)	2
4	Oedema	1
5	Palpitations	1
6	Syncope and giddiness	1
7	Limb pain/cyanosis/pale	1

System: Respiratory

No	Problem	Level
1	Breathlessness	2
2	Noisy breathing	2
3	Cough	1
4	Cyanosis	1
5	Sore throat	1
6	Epistaxis	1
7	Haemoptysis	1

System: Neurology

No	Problem	Level
1	Syncope	1
2	Seizures	2
3	Altered mental status	2
4	Dizziness and vertigo	1
5	Coordination	1
6	Focal neurological deficits	1
7	Headache	1

System: Genitourinary

No	Problem	Level
1	Acute urinary retention	1
2	Oedema	1
3	Haematuria	1
4	Loin pain	1
5	Sallow	1
6	Dysuria	1
7	Oliguria/anuria	1

System: Gastroenterology and hepatobiliary

No	Problem	Level
1	Abdominal pain/discomfort	1
2	Jaundice	1
3	Nausea and vomiting	1
4	Altered bowel habits	1
5	Oedema	1
6	Haematemesis	1
7	Melaena/haematochezia	1
8	Abdominal distention	1
9	Dysphagia	1

System: Haematology

No	Problem	Level
1	Bruises and bleeding tendency	1
2	Pallor	1
3	Lumps and bumps	1
4	Abdominal mass	1
5	Rashes	1
6	Painful calf	1
7	Bone pain	1

System: Trauma

No	Problem	Level
1	Head and neck injury	2
2	Chest injury	2
3	Abdominal injury	2
4	Musculoskeletal injury	1
5	Spine injury	1

6	Wound	1
7	Burns	2

System: Eye, ENT and maxillofacial

No	Problem	Level
1	Tinnitus and vertigo	1
2	Ear discharge and pain	1
4	Foreign body	1
5	Red eye	1
6	Eye pain	1
7	Vision loss	1
8	Toothache	1
9	Lock jaw	1

System: Obstetrics and gynaecology

No	Problem	Level
1	Lower abdominal pain	1
2	Antepartum haemorrhage	1
3	Postpartum haemorrhage	1
4	Seizures in pregnancy	1
5	Hypertension in pregnancy	1
6	Fever in pregnancy	1
7	Breathlessness and palpitations in pregnancy	1
8	Severe vomiting in pregnancy	1

2. List of Diagnosis

System: Cardiovascular

No	Diagnosis	Level
1	Acute coronary syndrome	2
2	Heart failure and pulmonary oedema	2
3	Hypertension emergencies	2
4	Tachycardia and brady arrhythmias	2
5	Aortic dissection and aneurysm	2
6	Cardiac arrest	4

System: Respiratory

No	Diagnosis	Level
1	Upper respiratory tract infection	1
2	Pneumonia (Community/Hospital/Healthcare associated)	2
3	Bronchial asthma	2
4	Chronic Obstructive Airway Disease (COAD)	2
5	Airway obstruction	3
6	Pneumothorax	2
7	Haemothorax and pleural effusion	2
8	Acute respiratory distress syndrome	1
9	Pulmonary embolism	2

System: Gastrointestinal and genitourinary

No	Diagnosis	Level
1	Lower gastrointestinal bleed	1
2	Upper gastrointestinal bleed	1
3	Acute kidney injury	1

4	Testicular torsion and infection	1
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System: Neurology

No	Diagnosis	Level
1	Stroke and transient ischaemic attack	1
2	Status epilepticus	2
3	Intracranial haemorrhage	1
4	Meningitis and encephalitis	1

System: Endocrine

No	Diagnosis	Level
1	Diabetic emergencies	1
2	Adrenal crisis	1
3	Thyroid emergencies	1

System: Haematology

No	Diagnosis	Level
1	Deep vein thrombosis	1
2	Over-warfarinisation/Anti-coagulant related bleeding	1

System: Medical Toxicology, Clinical Toxinology and Environmental Medicine

No	Diagnosis	Level
1	Drug overdose	2
2	Poisoning	2
3	Biohazard exposure	2
4	Envenomation	2
5	Animal bites	2
6	Heat stroke	2
7	Thermal and chemical injuries	2

System: Infectious disease

No	Diagnosis	Level
1	Sepsis	1
2	Disease Outbreaks	1
3	Dengue	1
4	Malaria	1
5	Leptospirosis	1

System: Obstetrics and gynaecology

No	Diagnosis	Level
1	Eclampsia and pre-eclampsia	1
2	Postpartum haemorrhage	1
3	Ectopic pregnancy	1

System: Trauma

No	Diagnosis	Level
1	Traumatic head injury	2
2	Eye, ear and maxillofacial trauma	1
3	Chest trauma	2
4	Intraabdominal injury	2
5	Pelvic and genitourinary injury	2
6	Fractures and dislocation	1
7	Wound	1
8	Compartment syndrome	1

System: skin, soft tissue and musculoskeletal

No	Diagnosis	Level
1	Steven Johnson Syndrome	1
2	Toxic Epidermal Necrosis	1

3	Allergy and anaphylaxis	1
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System: Miscellaneous

No	Diagnosis	Level
1	Psychiatric emergencies	1
2	Child abuse	1
3	Sexual abuse	1
4	Domestic violence	1

3. Clinical skills

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

General

No	Skills	Level
1	Triage	2
2	History taking	4
3	Physical examination	4

Airway management

No	Skills	Level
1	Airway manoeuvres	4
2	Airway adjunct	3
3	Oxygen supplementation	4
4	Bag-valve-mask	3
5	Rapid sequence intubation	2
6	Surgical airway	1

Breathing and ventilation

No	Skills	Level
1	Non-invasive ventilation	2
2	Invasive ventilation	2

Circulation

No	Skills	Level
1	Cardiopulmonary resuscitation	4
2	Defibrillation and synchronized cardioversion	2
3	Transcutaneous pacing	1
4	Haemodynamic monitoring	3
5	Peripheral intravenous cannulation	3
6	Central venous cannulation	1
7	Arterial puncture	2
8	Setting up intravenous drip	3
9	Blood transfusion procedure	2
10	Intraosseous cannulation	2
11	Haemorrhage control	3

Trauma

No	Skills	Level
1	Primary survey	3
2	Secondary survey	2
3	Cervical immobilisation	3
4	First aid	4
5	Tetanus immunisation	2
6	Fracture immobilisation	3
7	Closed manual reduction of dislocated fractures and joints	2
8	Needle thoracocentesis	2
9	Chest tube insertion	2
10	Focused assessment with sonography in trauma (FAST)	2

Miscellaneous

No	Skills	Level
1	Intramuscular/subcutaneous injections	2
2	Venepuncture	3

PRINCIPLE OF SURGICAL PRACTICES
(GENERAL SURGERY/ORTHOPAEDIC/OBGYN/ORL/OPHTHALMOLOGY)

Clinical Problems and Diseases: Level Descriptors

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. Clinical Problems and Diseases

No	Problem	Level
1	Fluid and electrolyte	3
2	Trauma	2
3	Use of antibiotics	3
4	Management of shock	2
5	Blood transfusion	2
6	Preoperative assessment	3
7	Postoperative management	3
8	Use of analgesics	3
9	Surgical consent	2

10	Infection control	3
11	Palliative care	2
12	Communication skills	3

2. Clinical skills

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

No	Clinical Skills	Level
1	History taking	4
2	Physical examination	4
3	Formulate diagnosis	4
4	Formulate investigation plan	4
5	Formulation of management plan	4
6	Cardiopulmonary resuscitation	4
7	Endotracheal intubation	3
8	Venepuncture and IV cannulation	4
9	Arterial blood puncture	3
10	Blood culture	2
11	Insertion of central venous line	2
12	Urethral catheterization (male and female)	3

13	Nasogastric tube insertion	3
14	Gowning and gloving	3

Clinical skills: Diagnostic and therapeutic

No	Clinical Skills	Level
1	Incision and drainage	2
2	Toilet and suturing	3
3	Desloughing and dressing of wound	2
4	Chest tube insertion	2
5	Peritoneal lavage	2
6	Suprapubic catheterization	2
7	Application of local anaesthesia	2
8	Handling of surgical instrument	3

DISCIPLINE: GENERAL SURGERY**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems

General:

No	Problem	Level
1	Fluid and electrolyte	3
2	Trauma	2
3	Use of antibiotics	3
4	Management of shock	2
5	Jaundice	3
6	Blood transfusion	2
7	Preoperative assessment	3
8	Postoperative management	3
9	Use of analgesics	3
10	Surgical consent	2

11	Infection control	3
12	Palliative care	2
13	Communication skills	3

System: Gastrointestinal

No	Problem	Level
1	Colostomy	2
2	Ileostomy	2
3	Acute abdomen	3
4	Recurrent abdominal pain	3
5	Abdominal mass	3
6	Abdominal distension	3
7	Intestinal obstruction	3
8	GI haemorrhage	3
9	Difficulty in swallowing	3
10	Jaundice	3
11	Vomiting	3
12	Heartburn	3
13	Altered bowel habit	3
14	Inguinoscrotal swelling	3
15	Abdominal trauma	2

System: Genitourinary

No	Problem	Level
1	Haematuria	3
2	Dysuria	3
3	Frequency urination	3
4	Incontinence	3
5	Urinary retention	3

6	Poor stream urine	3
7	Renal colic	3
8	Testicular pain	3
9	Testicular swelling	3
10	GU trauma	2

System: Breast

No	Problem	Level
1	Breast swelling	3
2	Nipple discharge	3
3	Breast infection	3
4	Breast pain	3

System: Vascular diseases

No	Problem	Level
1	Varicose veins	3
2	Leg ulcers	3
3	Swollen limb	3
4	Painful limb	3
5	Pulsating mass	2
6	Claudication	3
7	Bleeding	3
8	Gangrene limb	3
9	Vascular trauma	2

System: Integumentary

No	Problem	Level
1	Skin ulcers	3
2	Skin infection	3

3	Lumps and bumps	3
4	Skin lacerations	3
5	Burns	3

System: Cardiothoracic

No	Problem	Level
1	Trauma	2
2	Pneumothorax	2
3	Haemothorax	2
4	Empyema thoracis	2

System: Endocrine

No	Problem	Level
1	Thyroid swelling	3
2	Adrenal tumour	2
3	Parathyroid	2
4	Pituitary	2

2. List of Diagnosis

System: Gastrointestinal

No	Diagnosis	Level
1	Oesophageal Cancer	3
2	Achalasia	2
3	Hiatus Hernia	2
4	Oesophageal Stricture	2
5	Oesophageal Varices	3
6	Foreign Body	3
7	Gastric Ulcer	3
8	Duodenal Ulcer	3

9	Gastric Cancer	3
10	Erosive gastritis	3
11	GERD	3
12	Gastric Polyp	2
13	Gastric volvulus	2
14	Perforated Peptic Ulcer	3
15	Acute appendicitis	3
16	Acute cholecystitis	3
17	Acute pancreatitis	3
18	Liver abscess	3
19	Hepatocellular Cancer	3
20	Liver cyst	2
21	Gallstone	3
22	CBD stone	3
23	Pancreatic Cancer	3
24	Chronic Pancreatitis	3
25	Empyema Gallbladder	3
26	Cholangitis	3
27	Pancreatic Cyst	2
28	Meckel's Diverticulum	2
29	Small bowel volvulus	2
30	Intussusception	2
31	GIST tumour	2
32	Small bowel obstruction	3
33	Caecal tumour	3
34	TB caecum	2
35	Carcinoid tumour	2
36	Diverticular disease	3
37	Colon cancer	3

38	Angiodysplasia	2
39	Crohn's disease	2
40	Ulcerative colitis	2
41	Pseudomembranous colitis	2
42	Rectal cancer	3
43	Fistula-in-ano	3
44	Perianal abscess	3
45	Haemorrhoids	3
46	Anal fissure	3
47	Anal warts	2
48	Large bowel volvulus	3
49	Abdominal wall hernias	3
50	Inguinal hernia	3
51	Lumbar hernia	2
52	Polyposis Coli	2
53	Amoebic colitis	2

System: Genitourinary

No	Diagnosis	Level
1	Renal tumour	2
2	Hydronephrosis	3
3	Pyonephrosis	3
4	Pyelonephritis	3
5	Perinephric abscess	3
6	Renal calculi	3
7	Renal cyst	2
8	Ureteric stricture	2
9	Ureteric calculi	3
10	Urinary bladder calculi	3

11	Bladder Cancer	2
12	Vesico-ureteric reflux	2
13	Bladder diverticulum	2
14	Cystitis	3
15	Prostatitis	2
16	Benign prostatic hyperplasia	3
17	Prostatic cancer	3
18	Urethral stricture	2
19	Urethral calculi	2
20	Phimosis	2
21	Hypospadias	2
22	Peyronie's disease	2
23	Balanitis	3
24	Testicular Cancer	2
25	GU trauma	2
26	Hydrocele	3
27	Varicocele	2
28	Testicular torsion	3
29	Undescended testis	2
30	Fournier's gangrene	3
31	Erectile dysfunction	2

System: Breast

No	Diagnosis	Level
1	Breast cancer	3
2	Breast abscess	3
3	Fibroadenoma	3
4	Fibroadenosis	2
5	Mastitis	3

6	Ductal papilloma	2
7	Duct ectasia	2
8	Phyllodes tumour	2
9	Paget's disease	2
10	Aberrations in the Normal Development and Involution of the breast (ANDI)	2
11	Supernumerary nipple	2

System: Vascular diseases

No	Diagnosis	Level
1	Varicose veins	3
2	Peripheral arterial disease	2
3	Deep venous thrombosis	3
4	Aneurysm	2
5	Vascular trauma	2

System: Integumentary

No	Problem	Level
1	Skin neoplasm	2
2	Skin infection	3
3	Sebaceous cyst	3
4	Lipoma	3
5	Dermoid cyst	2
6	Keloid	2
7	Neurofibromatosis	2

System: Head and Neck

No	Diagnosis	Level
1	Salivary gland swelling	2

2	Thyroglossal cyst	2
3	Cystic hygroma	2
4	Branchial cyst	2
5	Cervical lymphadenopathy	2
6	Carotid body tumour	2
7	Ludwig's Angina	2
8	Ranula	2

3. Clinical skills

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

General

No	Clinical Skills	Level
1	History taking	4
2	Physical examination	4
3	Formulate diagnosis	4
4	Formulate investigation plan	4
5	Formulation of management plan	4
6	Cardiopulmonary resuscitation	4
7	Endotracheal intubation	3

8	Venepuncture and IV cannulation	4
9	Arterial blood puncture	3
10	Blood culture	2
11	Insertion of central venous line	2
12	Urethral catheterization (male and female)	3
13	Nasogastric tube insertion	3
14	Gowning and gloving	3
15	Incision and drainage	2
16	Toilet and suturing	2
17	Desloughing and dressing of wound	2
18	Chest tube insertion	2
19	Peritoneal lavage	2
20	Suprapubic catheterization	2
21	Application of local anaesthesia	2
22	Handling of surgical instrument	3

DISCIPLINE: OBSTETRICS AND GYNAECOLOGY**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment, under supervision Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems (Individual)

General:

System: Non Pregnant

No	Problem	Level
1	Abdominal pain	3
2	Pelvic abdominal mass	2
3	Genital tract bleeding	3
4	Menstrual disorders - Menorrhagia - Dysmenorrhea - Amenorrhea (primary & secondary)	3
5	Subfertility	2

6	Abdominal distension	2
7	Vaginal discharge	3
8	Mass per vagina / perineum	2
9	Pallor & symptoms of anaemia	3

System: First Trimester Of Pregnancy

No	Problem	Level
1	Abdominal pain	2
2	Nausea and vomiting	3
3	Vaginal bleeding in early pregnancy	2

System: Second, Third Trimester Of Pregnancy

No	Problem	Level
1	Headache	2
2	Reduced foetal movements	2
3	Pregnancy related vaginal bleeding	2
4	Leaking of liquor	2
5	Abdominal pain	2

System: Puerperal

No	Problem	Level
1	Fever	2
2	Calf pain and swelling	2
3	Abnormal vaginal bleeding	2

2. List of Diagnosis

System: Basic Knowledge Of Female Reproductive System

No	Problem	Level
1	Anatomy	1
2	Physiology – menstrual cycle, physiological changes in pregnancy	1

System: Antenatal Care

No	Problem	Level
1	Normal pregnancy <ul style="list-style-type: none"> - Booking, screening and risk assessment - Care - Nutrition - Immunization - Breastfeeding 	3
2	Anaemia in pregnancy	3
3	Infection in pregnancy	2
4	Prolonged pregnancy	2
5	Preterm labour	2
6	Rupture of membranes (PPROM / PROM)	2
7	Discrepancies in uterine size <ul style="list-style-type: none"> - Uterus smaller than date - Uterus larger than date 	2
8	Rhesus isoimmunisation	2
9	Intrauterine death	2
10	Malposition and malpresentation	2

System: Medical Illness In Pregnancy

No	Problem	Level
1	Endocrine related disorders <ul style="list-style-type: none"> - Thyroid disorders in pregnancy 	2

	- Diabetes in pregnancy	
2	Hypertensive disorders <ul style="list-style-type: none"> - Chronic hypertension in pregnancy - Pre-eclampsia - Chronic renal diseases 	2
3	Cardiac diseases in pregnancy	2
4	Connective tissue diseases in pregnancy	2
5	Respiratory diseases in pregnancy	2
6	Epilepsy in pregnancy	2
7	Thrombotic and coagulation disorders in pregnancy	2

System: Antepartum Haemorrhage

No	Problem	Level
1	Placenta praevia	2
2	Abruptio placenta	2
3	Vasa Praevia	2
4	Local causes	2
5	Indeterminate APH	2

System: Multiple Pregnancy

No	Problem	Level
1	Diagnosis	2
2	Basic managements	2
3	Antenatal complications	2

System: Intrapartum

No	Problem	Level
1	Labour progress <ul style="list-style-type: none"> - Partogram - Normal labour - Abnormal labour 	3

2	Trial of scar	2
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System: Obstetric Emergencies (Drill At University Level)

No	Problem	Level
1	Postpartum haemorrhage (PPH)	3
2	Eclampsia	2
3	Cord prolapse	2
4	Shoulder dystocia	2
5	Maternal collapse <ul style="list-style-type: none"> - Pulmonary embolism (venous) - Amniotic fluid embolism 	2
6	Uterine inversion	2

System: Postpartum

No	Problem	Level
1	Maternal birth trauma	2
2	Retained placenta	2
3	Psychiatric and psychological illnesses	2
4	Breastfeeding	2
5	Grievances and bereavement	2

System: Early Pregnancy Complications

No	Problem	Level
1	Hyperemesis gravidarum	3
2	Ectopic pregnancy	2
3	Miscarriages	2
4	Molar pregnancy and trophoblastic diseases	2

System: Disorders Of Menstruation

No	Problem	Level
1	Endometriosis	2
2	Amenorrhoea (primary and secondary)	2
3	Abnormal uterine bleeding	2
4	Polycystic ovarian Syndrome (PCOS)	2
5	Menopause and hormone replacement therapy	2

System: Gynaecological Infections

No	Problem	Level
1	Sexually transmitted disease	2
2	Pelvic inflammatory disease	2
3	Vaginal infections	2
4	Vulval skin changes	2

System: Benign Conditions Of The Genital Tract

No	Problem	Level
1	Uterine fibroid	2
2	Ovarian cyst	2
3	Bartholin cyst	2
4	Preinvasive diseases of vulva, vagina, cervix and endometrium	2

System: Malignancies Of The Genital Tract

No	Problem	Level
1	Endometrial malignancy	2
2	Ovarian malignancy	2
3	Cervical malignancy	2
4	Vulva and vaginal malignancies	2

System: Pelvic Floor Dysfunction

No	Problem	Level
1	Pelvic organ prolapse	2
2	Urinary incontinence	2
3	Faecal incontinence	2

System: Infertility

No	Problem	Level
1	Male infertility	2
2	Female infertility	2

3. Clinical skills**Clinical Skills Levels Descriptors:**

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

1. History taking
2. Physical examination
3. Investigations
4. Procedures- diagnostics, therapeutics.

Physical examination: Obstetrics & Gynaecology

No	Clinical skills	Level
1	History taking - Obstetric - Gynaecology	4 4
2	Obstetric abdominal examination	4
3	Obstetric pelvic examination - Speculum examination	3
4	Obstetric ultrasound (abdominal and transvaginal)	2
5	Induction of labour	2
6	Augmentation of labour	2
7	Gynaecological abdominal examination	4
8	Gynaecological pelvic examination - Bimanual examination - Speculum examination - High vaginal swab - PAP smear	3
9	Pipelle endometrial sampling	2
10	Gynaecology ultrasound (abdominal and transvaginal)	2
11	Amniotomy	2
12	Normal vaginal deliveries	3
13	Instrumental deliveries	2
14	Caesarean section	2
15	Assisted vaginal breech delivery	2
16	External cephalic version (ECV)	2
17	Episiotomy – perform and repair	3
18	Delivery of placenta (CCT)	3
19	Manual removal of placenta	2
20	Cardiotocogram application and interpretation - External - Internal	4 2

21	Magnesium sulphate preparation	2
22	Partogram charting and interpretation	3
23	Female bladder catheterisation	4
24	Neonatal resuscitation	1
25	Neonatal assessment	1
26	Venepuncture	4
27	Blood culture and sensitivity	4
28	Insertion intravenous cannula	4
29	Dilatation and curettage	2
30	Hysteroscopy	2
31	Laparoscopic procedures <ul style="list-style-type: none"> - Cystectomy - Tubal patency test - Salpingectomy 	2
32	Hysterectomy <ul style="list-style-type: none"> - Vaginal - Transabdominal - Laparoscopic 	2
33	Myomectomy <ul style="list-style-type: none"> - Transabdominal - Laparoscopic 	2
34	Colposcopy	2
35	Contraception <ul style="list-style-type: none"> - Natural methods - Oral contraception - Tubal ligation - Long Acting Reversible Contraception (LARC) <ul style="list-style-type: none"> • Intrauterine Contraceptive Device/ System • Implanon • IM Depo Provera 	2 3 2 2
36	Preoperative preparation <ul style="list-style-type: none"> - Preoperative counselling and assessment - Informed consent 	2 2

37	Baby Friendly Hospital Initiative (BFHI) and counselling for breastfeeding	2
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DISCIPLINE: ORTHOPAEDIC/TRAUMATOLOGY**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems

General:

No	Problem	Level
1	Pain over the; <ul style="list-style-type: none"> • Joint • Neck/Back • Shoulder region • Elbow/wrist region • Hand region • Hip region including gluteal • Knee region including popliteal fossa • Foot/ankle May include trauma related (e.g. fracture, soft tissue)	2 2 2 2 2 2 2 2

2	Skin changes <ul style="list-style-type: none"> • Ulcer/wound • Redness • Discharge 	2 2 2
3	Limping (painful or painless)	2
4	Deformity <ul style="list-style-type: none"> • Upper limb • Lower limb • Back/spine 	2 2 2
5	Weakness/Numbness to upper and lower limb	2
6	Lump/Swelling on the extremity	2
7	Joint Stiffness	2
8	Joint instability	2
9	Locked joint	2

2. List of Diagnosis

System: Musculoskeletal

No	Diagnosis	Level
1	Fracture (upper/lower limbs) <ul style="list-style-type: none"> • Closed • Opened Pelvis (Pelvic ring and acetabular) Paediatric fractures	3 3 2 2
2	Joint dislocation-trauma related <ul style="list-style-type: none"> - Shoulder / elbow / hip / knee / ankle/finger 	3
3	Trauma Complication Acute <ul style="list-style-type: none"> • Compartment Syndrome - Release source of compression e:g POP - Circulation Chart monitoring of affected limb • Fat embolism 	3 3

	<ul style="list-style-type: none"> -Fluid resuscitation -Oxygen therapy -Vital signs monitoring • Neurovascular injury -Compression bandage or tourniquet application -Circulation Chart Monitoring of the affected limb 	3
	Chronic <ul style="list-style-type: none"> • Non-union/delayed union/Malunion 	2
4	Shoulder <ul style="list-style-type: none"> • Frozen Shoulder (Adhesive capsulitis) • Impingement Syndrome • Rotator Cuff (tendonitis / tear) and rotator cuff arthropathy • Shoulder instability 	2 2 2 2
5	Elbow <ul style="list-style-type: none"> • Tendinitis (e.g. Tennis elbow, Golfer elbow) • Deformity (e.g. Malunion fracture) 	2 2
6	Wrist <ul style="list-style-type: none"> • Ganglion • Carpal Tunnel Syndrome • De Quervain's tenosynovitis 	2 2 2
7	Hand <ul style="list-style-type: none"> • Trigger Finger 	2
8	Hip <p>Adult</p> <ul style="list-style-type: none"> ▪ Osteoarthritis ▪ Avascular Necrosis <p>Paediatric</p> <ul style="list-style-type: none"> ▪ DDH, Perthes, SCFE 	2 2 2
9	Knee <p>Adult</p> <ul style="list-style-type: none"> • Osteoarthritis • Ligamentous Injury 	2 2

	<ul style="list-style-type: none"> • Meniscus Injury • Patellar instability • Osteochondritis dissecans 	2 2 2
	Paediatric Varus/Valgus deformity	2
10	Foot & Ankle <ul style="list-style-type: none"> • Osteoarthritis • Tendinitis • TA rupture • Plantar Fasciitis / Calcaneal spur • In-grown Toe nail • Deformity (e.g. Hallux Valgus, CTEV) 	2 2 2 2 2 2
11	Spine <ul style="list-style-type: none"> • Deformity (scoliosis includes adolescent and degenerative) • Herniated Nucleus Pulposus • Trauma/Fracture • Spinal Shock / Neurogenic shock / Cauda equina syndrome • Degenerative (Cervical and lumbar spondylosis) 	2 2 2 2 2
12	Infection <ul style="list-style-type: none"> • Septic Arthritis • TB infection • Osteomyelitis (acute and chronic) • Necrotising Fasciitis • Gas Gangrene • Diabetic foot (infected gangrene) • Finger Pyogenic tenosynovitis • Abscess (Subcutaneous and intramuscular) 	2 2 2 2 2 2 2 2
13	Tumour (bone and soft tissue) <p>Benign</p> <p>Malignant (Primary and metastasis)</p>	2 2
14	Metabolic disorders <p>Gouty arthritis / Pseudogout</p> <p>Rickets / Osteomalacia</p>	2 2

	Osteoporosis	2
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3. Clinical skills

1. Physical examination
2. Investigations
3. Procedures- diagnostics, therapeutics.

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

Physical examination: General

No	Physical examination General	Level
1	Level of consciousness	4
2	Peripheral hand assessment	4
3	Vital signs PR RR BP	4 4 4
4	Gait Assessment	3

Physical examination:

No	Physical examination	Level
1	Joint Attitude(include deformity description) Joint line tenderness Effusion test ROM – Active Passive	4 4 4 4 4
2	Neurology Assessment UMN/LMN	4
3	Spine Deformity ROM	3 3
4	Limb Length Measurement	4
5	Special Test: Shoulder Impingement test Apprehension test Hip Thomas test Trendelenburg Knee Drawer Test Lachman Varus/Valgus stress test McMurray Apprehension test	3 3 4 4 4 4 4 4 3 3
6	Lump/Swelling Assessment	4

7	Wound/Ulcer Description	4
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Orthopaedic procedures:

No	Procedure	Level
1	Immobilisation Cast application: Backslab Full cast Cast split Orthosis Cervical collar	 4 3 3 3 3
2.	CMR	2
3.	Toilet and Suturing	3
4.	Traction: Skin traction Skeletal traction	 3 2
5.	Joint aspiration	2
6.	Joint injection	2
7.	Wound dressing including pin site	3
8.	Desloughing under LA	3
9.	Tourniquet application	3
10.	External fixation of all fractures	2
11.	Internal fixation	2
12.	K-wiring	2
13.	Major amputation of limbs	2
14.	Arthrotomy	2
15.	Fasciotomy for compartment syndrome	2
16.	Excision biopsy of superficial lumps	2

17.	Ring block	2
18.	Debridement of wounds	2
19.	Partial toe amputation (Ray Amputation)	2
20.	Removal of external fixator	2
21.	Consent taking	2
22.	X-Ray evaluation	3
23.	Pelvic binder application	3

DISCIPLINE: ENT**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems (Individual)

General:

No	Problem	Level
1	Ear ache	3
2	Hearing loss	2
3	Vertigo	2
4.	Ear discharge	3
5.	Tinnitus	2
6.	Nose block	2
7.	Facial pain & Asymmetry	2
8.	Nasal discharge	3

9	Epistaxis	3
10.	Change in smell	2
11	Sore throat	3
12	Stridor	2
13	Hoarseness	2
14	Swallowing problems	2
15	Head & Neck Lumps	3
16	Sleep apnoea	2
17	Oral ulcers	3

2. List of Diagnosis

System: ENT

No	Diagnosis	Level
1	Otitis externa	3
2	Otitis media	3
3	Chronic Suppurative Otitis Media -without cholesteatoma (mucosal)	3
4	Chronic Suppurative Otitis Media with cholesteatoma (Squamous)	2
5	Benign Paroxysmal Positional Vertigo & other peripheral vestibular disorders	2
6	Rhinitis	3
7	Rhinosinusitis with or without nasal polyps	3
8	Epistaxis	3
9	NPC and other sinonasal tumours	2
10	Foreign Body Ear, nose& throat	2
11	Foreign body oesophagus/ tracheo-bronchial	2
12	Tonsillitis	3
13	Pharyngitis, laryngitis	3

14	Stridor	2
15	Presbycusis	2
16	Head & Neck abscess	2
17	Obstructive sleep apnoea	2
18	Oral cancers	2
19	Laryngeal cancers	2
20	Laryngopharyngeal Reflux	2
21	Sudden hearing loss	2
22	Facial Nerve Palsy	2
23	Facial Trauma	2
24	Salivary Gland Diseases	2

3. Clinical skills

1. History taking
2. Physical examination
3. Investigations
4. Procedures- diagnostics, therapeutics.

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task / different types of investigations
2	Able to apply the principles or theory of the specific task / justify the reason for investigations. May have seen the task being performed
3	Have experience performing the task or perform / interpret the investigations under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

3.1 Basic ENT History

No	Physical examination General	Level
1	Basic History taking in ENT	4

3.2 Physical examination: General

Basic ENT examination

No	Physical examination	Level
1	Basic ENT , head and neck examination	3

3.3 Investigations

No	Investigations	Level
1	X-ray Paranasal sinuses	3
2	X-ray neck	3
3	Basic Pure Tone Audiometry & Tympanometry	2
4	Nasal endoscopy	2
5.	Laryngoscopy	2
6.	Oto-endoscopy	2
7.	Other ENT related imaging (CT & MRI)	1

3.4 Procedures

No	Procedures	Level
1	Tracheostomy & care	2
2	Nasogastric tube insertion	4
3	Foreign body removal Ear, nose and throat	2
4.	Esophagoscopy & Bronchoscopy for removal of oesophagus & trachea-bronchiol foreign body	1

5	Ear syringing	2
6	Tonsillectomy	2
7	Myringoplasty	1
8	Endoscopic Sinus Surgery	1
9	Septoplasty	1
10	Adenoidectomy	2
11	Laryngectomy	1
12	Myringotomy with or without ventilation tube insertion	2

DISCIPLINE: OPHTHALMOLOGY**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. List of Problems (Individual)

General:

No	Problem	Level
1	Red eye	2
2	Blurring/loss of vision	2
3	Eye pain	2
4	Eye itchiness	3
5	Eyelid swelling	3
6	Foreign body sensation	2
7	Watery eyes	2

8	Visual field defect	2
9	Double vision	2
10	Squint	2
11	Droopy eyelid	2
12	Floaters	2
13	White reflex (Leukocoria)	2
14	Protrusion of eye (proptosis)	2
15	Foreign body in the eye	2

List of Problems (Community)

1. General

No	Problem	Level
1	Cataract	2
2	Glaucoma	2
3	Diabetic retinopathy	2
4	Infective corneal ulcer	2
5	Refractive error	2

2. List of Diagnosis

General:

No	Diagnosis	Level
1	Conjunctivitis	3
2	Refractive errors	2
3	Cataract	2
4	Diabetic retinopathy	2
5	Glaucoma	2
6	Chemical injury	3

7	Blunt and penetrating eye trauma	2
8	Corneal foreign body	2
9	Corneal ulcer/abrasion	2
10	Retinal detachment	2
11	Optic neuropathy	2
12	Uveitis	2
13	Strabismus	2
14	Eyelid lesions	3
15	Endophthalmitis	2
16	Nasolacrimal duct lesions	1
17	Orbital cellulitis	3
18	Retinopathy of prematurity	1
19	Retinoblastoma	1
20	Thyroid eye disease	2
21	Central retinal artery occlusion (CRAO)	2

3. Clinical skills

1. Physical examination
2. Investigations
3. Procedures- diagnostics, therapeutics.

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task

	Able to perform the task
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3.1 Physical examination:

No	Physical examination	Level
1	Basic eye examination with torch light	4
2	Visual acuity test	4
3	Direct ophthalmoscopy	4
4	Pupillary examination	4
5	Visual field by confrontation	4
6	Extraocular motility examination	4
7	Colour vision using Ishihara	4

3.2 Investigation: General

No		Level
1	Automated visual field analyser	1
2	Fluorescein staining	2
3	Fundus fluorescein angiography	1
4	Fundus photography	2
5	Tonometry	2
6	Optical Coherence Tomography	1

3.3 Procedures: General

No		Level
1	Instillation of eyedrops	4
2	Eye irrigation	3
3	Removal of superficial foreign body	2
4	Incision and curettage	1

6	Cataract surgery	2
7	Pterygium surgery	1
8	Lid hygiene and warm compression	1

DISCIPLINE: FORENSIC MEDICINE**Clinical Problems and Diseases: Level Descriptors**

Level	Descriptors
1	Aware of the condition based on literature at the level of overview
2	Able to make provisional diagnosis based on Physical examination and basic investigations. Refer to the relevant specialist
3	Able to make provisional diagnosis based on Physical examination and basic investigations. Initiate initial treatment Refer to the relevant specialist
4	Able to make diagnosis based on Physical examination and basic investigations. Manage and solve the problem

1. Clinical Problems and Diseases

1. Introduction to forensic medicine and certification of death

No	Problem	Level
1	Diagnosis of death	1
2	Police authorization form	1
3	Consent form	1
4	Death registration form	1
5	Criminal Procedure Code (CPC) S. 328-332	1
6	Cause of death	1
7	Manner of death	1

2. Autopsy procedures

No	Problem	Level
1	Clinical autopsy	1
2	Medicolegal autopsy	1
3	Principles of identification	1
4	Autopsy techniques	1
5	External body examination	1
6	Internal body examination	1
7	Specimen collection	1
8	Laboratory investigations	1
9	Certification of death	1
10	WHO standard of cause of death	1

3. Post-mortem changes

No	Problem	Level
1	Algor mortis	1
2	Livor mortis	1
3	Rigor mortis	1
4	Cadaveric spasm	1
5	Post-mortem artefact	1
6	Autolysis	1
7	Decomposition	1
8	Skeletalization	1
9	Adipocere	1
10	Mummification	1
11	Maggot infestation	1

4. Wounds & injuries

No	Problem	Level
1	Definition of wounds and injuries	1
2	Identification of wounds	1

5. Death due to natural disease

No	Problem	Level
1	Heart diseases	1
2	Respiratory diseases	1
3	CNS diseases	1

6. Child death

No	Problem	Level
1	Death due to natural causes	1
2	Death due to unnatural causes	1

7. Maternal death

No	Problem	Level
1	Pregnancy-related death	1

8. Fire, Electrocution & lightning injuries --> Death due to unnatural causes

No	Problem	Level
1	Death due to fire, electrocution and lightning	1
2	Transportation related death	1
3	Death due to asphyxia and drowning	1
4	Firearm related death	1

9. Toxicology

No	Problem	Level
1	Ethyl alcohol and drug-related death	1
2	Carbon monoxide poisoning	1

10. Court Procedures

No	Problem	Level
1	Legal systems in Malaysia	1
2	Court procedures	1
3	Court subpoena	1
4	Responsibility of a doctor as an Expert witness	1
5	Examination-in-chief	1
6	Cross examination	1
7	Re-examination	1

Clinical skills

Clinical Skills Levels Descriptors:

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task

No	Skills	Level
1	History taking from the police	1
2	History taking from the family members	1
3	Documentation of post-mortem findings	1
4	External body examination	1
5	Internal body examination	1
6	Organ dissection	1
7	Procedure of blood and body fluid collection	1
8	Blood for culture and sensitivity	1
9	Urine collection	1
10	Gunshot residue collection	1
11	Collection of trace evidence (head-hair, fingernails and clothing for DNA fingerprinting)	1
12	Specimen collection in sexual offenses	1
13	Anal swab	1
14	Oral swab	1
15	Body fluid and tissue for toxicological analysis	1
16	Specimen handling and chain of custody	1
17	Relevant laboratory request form	1
18	Final report writing	1

DISCIPLINE: MEDICAL ETHICS & LAW**Knowledge Level Descriptors**

Level	Descriptors
1	Aware of the principle, theory or law related to the specific situation at the level of overview.
2	Able to identify the relevant principle, theory or law related to the specific situation.
3	Able to apply the relevant principle, theory or law related to the specific situation.
4	Able to analyse the specific situation using the relevant principle, theory or law.

1. Ethics

No	Topic	Level
1	Principles of Biomedical Ethics -Respect for Autonomy -Beneficence -Non-maleficence -Justice	3
2	Good Medical Practice	3
3	Code of Professional Conduct	3
4	Consent -Types of Consent -Competent Patient -Incompetent Patient -Children (Gillick competence)	3
5	Confidentiality -Principles -Breaches	3

6	Research Ethics	1
7	Clinical Ethics	2
8	Ethical Issues at the End of Life -Withdrawing & Withholding Treatment -Euthanasia	2
9	Ethical Issues in Paediatrics -Best Interest Principle	2
10	Ethical Issues in O&G -Assisted Reproduction -Termination of Pregnancy	2
11	Ethical Issues in Organ Donation -Brain Death -Organ Allocation	1
12	MMC Ethical Guidelines	2

2. Law

No	Topic	Level
1	Introduction to Malaysian Legal System	1
2	Medical Negligence	2
3	Medical Records & Medical Reports	2
4	Patients Grievance Mechanism	1
5	Healthcare-related Legislations	1

3. Specific Legislations

No	Topic	Level
1	Medical Act 1971 & Medical Regulations 2017	2
2	Private Healthcare Facilities & Services Act 1998 (Act 586)	1
3	Prevention & Control of Infectious Diseases Act 1988	1

4	Child Act 2001	1
5	Sexual Offences Against Children Act 2017	1
6	Mental Health Act 2001	1
7	Penal Code	1
8	Human Tissue Act 1974	1
9	Public Authority Protection Act 1948	1
10	Occupational Safety and Health 1994 (Amendment 2022)	1

Practical Skills

Practical Skills Level Descriptor

Level	Descriptors
1	Able to describe the task
2	Able to apply the principles or theory of the specific task. May have seen the task being perform
3	Have experience performing the task or perform under supervision
4	Able to relate the theory and principles and indications of the specific task Able to perform the task independently

No	Topic	Level
1	Taking verbal consent	4
2	Taking a written informed consent	2
3	Discharges against medical advice (DAMA/AOR)	2
4	Documentation of Patient Care	4
5	Filling in Forms	4
6	Writing a prescription	4

7	Issuing Medical Certificates	2
8	Maintaining Confidentiality	4

COMPETENCY AREA: PROFESSIONALISM**Practical Skills Level Descriptor**

Level	Descriptors
1	Aware of the competency required to the specific situation
2	Able to apply the competency required to the specific situation
3	Able to demonstrate the competency required to the specific situation when prompted
4	Able to demonstrate the competency required to the specific situation proficiently

1 Respect

No	Topic	Level
1	<p>Demonstrate respect by exhibiting behaviours such as:</p> <ol style="list-style-type: none"> 1. Defending patients' dignity by using the patient's proper form of address and by paying attention to the patient's comfort, modesty and dignity in every encounter 2. Choosing to appropriately groom and dress oneself whenever working in a professional environment 3. Identifying individuals' choices (patients, family/guardian and other healthcare providers) 	4

2 Responsibility & Accountability

No	Topic	Level
1	<p>Demonstrate responsibility and accountability by exhibiting behaviours such as:</p>	4

	<ol style="list-style-type: none"> 1. Managing emotions in order to maintain personal control amidst adverse and trying circumstances. 2. Recognizing unprofessional behaviours and reporting them appropriately (Intervening on behalf of patients by confronting all unprofessional behaviours that may compromise patient safety and cause harm to patient) 3. Attending and being punctual at all required educational sessions. 4. Takes proper responsibility, does not neglect duty and responds when call. 5. Develop and maintain a sustainable personal health, work and learning habits. 	
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3 Excellence and Scholarship

No	Topic	Level
1	<p>Demonstrate Excellence and Scholarship by exhibiting behaviors such as:</p> <ol style="list-style-type: none"> 1. To be thorough in all assignments, (including reading about patients' problems) 2. Recognizing and managing uncertainty 3. Practicing self-reflection as a tool for life-long learning. 	4

4 Honour and Integrity

No	Topic	Level
1	<p>Demonstrate honour and integrity by exhibiting behaviours such as:</p> <ol style="list-style-type: none">1. Honest about status as students in all encounters with patients, colleagues and other health professionals.2. Recognizing and respecting personal, emotional, and physical boundaries with patients, teachers, and peers.3. Accurately reporting only data that has been personally verified4. Making appropriate attribution to sources of ideas and data.5. Admitting mistakes and errors i.e. practising veracity (truth telling)6. Evaluating own performance and being honest about shortcomings.	4

5 Altruism

No	Topic	Level
1	<p>Demonstrate altruism by exhibiting behaviours such as:</p> <ol style="list-style-type: none">1. Putting patients' interest above student's own interest.2. Advocating for the individual patient's needs when they arise3. Recognizing the social issues that impact the health of patients4. Know the importance of patient advocacy	4

6 Leadership and Team work

No	Topic	Level
1	<p>Demonstrate leadership by exhibiting behaviours such as:</p> <ol style="list-style-type: none">1. Sharing responsibility for group learning, feedback, and discussion.2. Supporting colleagues by creating a collegial learning environment: respect the role of others workers including students from other health professionals.3. recognising the role of each team members in managing patients and allowing them to demonstrate excellence appropriately.	4

7 Cultural Competency and Managing Diversity

No	Topic	Level
1	<p>Demonstrates cultural competency and managing diversity through:</p> <ol style="list-style-type: none">1. the ability to adapt communication style to patient's and team members language and cultural background.2. the ability to recognize and respond to culturally-based challenges during the clinical encounter.	4

8 Compassion and Empathy

No	Topic	Level
1	Demonstrates empathy by exhibiting behaviours such as: 1. Expressing sensitivity to others' circumstances (such as emotional state, care expectations and socioeconomic perspective) by appropriate verbal and non-verbal communication skills. 2. Recognizing when to listen, when to talk, and when to be silently present.	4

9 Confidentiality

No	Topic	Level
1	Demonstrates confidentiality by exhibiting behaviours such as: Maintain patient confidentiality and privacy at all times and recognise circumstances that leads to breach of confidentiality.	4

Adapted from:

1. Recommendations for Clinical Skills Curricula For Undergraduate Medical Education. Report from Association of American Medical Colleges, 2008.
2. Digital Logbook, Ministry of Health Malaysia, 2024
3. Code of Professional Conduct 2019

COMPETENCY AREA: INTERPERSONAL AND COMMUNICATION SKILLS

Effective information exchange and collaborate with patients, their families, and other health professional

Practical Skills Level Descriptor

Level	Descriptors
1	Aware of the competency required to the specific situation
2	Able to apply the competency required to the specific situation
3	Able to demonstrate the competency required to the specific situation when prompted
4	Able to demonstrate the competency required to the specific situation proficiently

No.	Topic	Level
1.	Explains role appropriately to patient and/or care givers/family members.	4
2.	Communicate effectively and respectfully with patients, families, and the public	4
3.	Communicate effectively and respectfully with other health professionals, and non-health professionals.	4
4.	Uses effective listening skills to elicit information.	4
5.	Facilitates team communication and provides constructive verbal and written feedback to other team members when act as a team leader. Practice open communication to optimise patient care	3
6.	Provides effective patient/caregiver/family education in verbal and written form.	3
7.	Conducts Serious Illness Conversations encompassing Goals of Care discussions, breaking bad news, and addressing issues related to death and dying, while demonstrating empathy, ethical sensitivity, and professionalism.	3

References:

1. <https://www.umms.org/ummc/pros/gme/acgme-competencies/interpersonal-skills-communication>
2. Digital Logbook, Ministry of Health Malaysia, 2024