Requirements for fellowship training

HAEMATOLOGY

PATHOLOGY

College of Physicians and Surgeons Pakistan

Duration of Training 4 Years

2003
Requirements for fellowship training

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Duration of Training
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INTRODUCTION

Each year the College of Physicians and Surgeons Pakistan (CPSP) runs examinations as part of its Fellowship program. Success in these, and the required pre-exam training, qualifies the medical graduate to become a Fellow of the College on the approval of the College Council.

The College’s Examination department conducts examinations, and Fellowship assures official recognition of the graduate as trained and qualified to work as a specialist in the practice of relevant specialty.

To ensure adequate training the College offers subject and core sub-discipline outlines, and training accreditation to help graduates and their Supervisors cover the large amount of work needed to prepare for examinations and acceptance as a Fellow.

This booklet provides medical graduates and current Trainees and Supervisors with information on Fellowship training, examination and qualification requirements.
The College was established in 1962 under article six of the constitution. The objectives/functions of the College included promoting specialist practice of Medicine, Surgery, Obstetrics & Gynaecology and other specialties by securing improvement of teaching and training, arranging postgraduate medical, surgical and other specialists training, holding and conducting examinations for awarding a College diploma and admission to the Fellowship of the College and to provide for research.

Since its inception the College has taken great strides in the direction of improving postgraduate medical education in Pakistan. The number of disciplines in which Fellowship is awarded has increased to forty-seven. Structured training programs have been developed, criteria for recognition of training institutes have been laid down, and format of examinations has been improved with more valid, objective and reliable methods of assessment where knowledge is tested through multiple choice questions in the field of basic medical and allied sciences. It is important to note that in the overall scenario of health care delivery service out of the total functioning registered health care specialists in the country, 10,000 (80%) have been provided by the CPSP. FCPS Part I examination is an entry examination in the field of basic medical science, providing eligibility for suitable candidates to enter structured training for FCPS Part II. The training towards Fellowship can be undertaken in more than 100 medical institutions throughout the country, which have been accredited for this purpose. The total number of departments recognized in these institutions is approximately 800. The number of Supervisors involved in the training totals to about 900.

To coordinate the training and examination, and provide assistance to regional candidates the College has established 13 regional centers all over the country where the average number of candidates taking up the examination is about 10,000 per year. Of these, three centres have a complete administrative setup with learning facilities in the form of libraries and lecture halls.
The College conducts examinations three times a year for FCPS Part I (in 11 disciplines) and FCPS Part II (in 47 disciplines). The logistics involved in organizing and conducting these examinations are complex and a large number of Fellows and senior medical teachers from within the country and overseas are involved in this endeavor. The College regularly invites overseas examiners to observe these examinations. These examiners also review and report on the quality of the examinations held within the context of best international practice.

Every effort is made to improve the standard of the College examinations and make them relevant, transparent, objective and fair to the candidates. The College in its endeavor to decrease inter-rater variability and increase fairness and transparency has already introduced the use of assessment forms for scoring of all the components of clinical and oral examinations. Another step in this direction is by introduction of TOACS (Task Oriented Assessment of Clinical Skills) in the FCPS Part II Clinical examinations in a number of disciplines from September 2001.

The College’s continuum of efforts has so far provided quality postgraduate medical education and ensures that its Specialist training plays a major role towards meeting the country’s requirements.
### Training and examinations

#### SUMMARY

The College lays down the training programs and holds examination for the award of Fellowship in the following disciplines:

<table>
<thead>
<tr>
<th>Anatomy</th>
<th>Neurology</th>
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<tr>
<td>Anaesthesia</td>
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<td>Clinical Pharmacology &amp; Therapeutics</td>
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<td>Dermatology</td>
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<td>Diagnostic Radiology</td>
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<td>Family Medicine</td>
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<td>Forensic Medicine</td>
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<td>Gastroenterology</td>
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<td>General Surgery</td>
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<td>Haematology</td>
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<td>Histopathology</td>
<td>Psychiatry</td>
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<td>Immunology</td>
<td>Pulmonology</td>
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<td>Medicine</td>
<td>Radiotherapy</td>
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<td>Medical Oncology</td>
<td>Thoracic Surgery</td>
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<td>Microbiology</td>
<td>Urology</td>
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<td>Neonatal Paediatrics</td>
<td>Virology</td>
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<td>Nephrology</td>
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Fellowship of the College of Physicians and Surgeons Pakistan is awarded to those applicants who have:

- A recognized medical degree;
- Completed a one year house job in a recognized institution
- Passed the relevant FCPS Part I Examination
- Registered with the Research, Training and Monitoring Cell (RTMC);
- Undergone specified years of supervised accredited training;
- Been declared successful in examinations carried out by the Examination Department of the CPSP; and
- Been elected by the College Council.

It is important to note that all applicants must undergo a formal examination before being offered Fellowship of the relevant specialty, except in case of Fellowship without examination.

**TRAINING ENQUIRES AND REGISTRATION**

On commencement of training for Part II Fellowship, all trainees are required to register themselves with the Research and Training Monitoring Cell (RTMC) of the College with in 30 days of starting their training. In case of delay the date of commencing training will be observed from the receiving date of application for registration with RTMC. The registration forms are sent to the successful candidates along with the result of FCPS Part-I. These forms may also be obtained from the College main office at Karachi or from its regional offices (a list of regional offices is given in appendix).

Once registered, Trainees receive notice of scientific meetings, other notifications and, on request, past examination papers.

All registrants should notify the College in writing of any change of address and proposed changes in training (such as change of Supervisor etc) as soon as possible.
GENERAL REGULATIONS

The following regulations apply to all the candidates taking the FCPS-II Examination.

Candidate will be admitted to the examination in the name (surname and other names) as given in the MBBS degree and PMDC certificate. Candidates who change their names by marriage or deed must submit original documentary proof of this if they wish to be admitted to the examination in their new names.

ELIGIBILITY REQUIREMENTS FOR ENTERING THE FCPS PART II TRAINING PROGRAM IN HAEMATOLOGY

● Passed FCPS Part-I or granted exemption.

EXEMPTION FROM FCPS PART-I

An application for exemption from FCPS Part-I must be submitted to the College with all the relevant documents and a bank draft for the prescribed fee.

After due verification, the College may grant exemption from FCPS Part-I to those applicants who have acquired any of the following qualifications in Pathology/Haematology:

- MRCPath from the Royal Colleges of UK and Ireland
- Diplomat American Board of Specialties
- FCPS Part-I, Bangladesh

In all other cases, after proper scrutiny and processing, the College shall decide acceptance or rejection of the request for exemption from FCPS-I on case to case basis.

All applicants who are allowed exemption will be issued an EXEMPTION CERTIFICATE on payment of exemption fee. A copy of this certificate will have to be attached with the application to the Research and Training Monitoring Cell (RTMC) of the CPSP, for registration as FCPS Part-II trainee and later with the application for appearing in FCPS Part-II examination.
DURATION OF TRAINING  FOUR YEARS:
A candidate who has gained experience in a CPSP recognized institution under an approved supervisor or has obtained a postgraduate diploma recognized by the CPSP will be eligible on application to exemption in post part-I training up to a maximum of one year. This concession will be allowed on individual basis after due scrutiny and approval by competent authority.

APPROVED TRAINING CENTRES
Training must be undertaken in units/departments/institutions approved by the College.
A current list of approved locations is available from the College and its regional offices, as well as on the College website.

REGISTRATION AND SUPERVISION
All training must be supervised and Trainees are required to register with the RTMC and submit the name of their supervisor(s) by the date indicated on the registration form. The supervisor will normally be a Fellow of the College. However another supervisor may be accepted if there is no Fellow available to offer appropriate supervision. All supervisors must have their role approved by the College. Normally, only one supervisor is nominated, and if the Trainee spends significant periods working in an area where the supervisor has no personal involvement, the supervisor must certify that suitable supervision is being provided. The nomination of more than one supervisor is needed only if the Trainee divides the year between two or more unrelated units, departments or institutions.
Training held under the aegis of CPSP is compulsorily supervised. A supervisor is a CPSP fellow or a specialist with relevant postgraduate qualifications recognized by CPSP.

Supervision of a trainee is a multifaceted job. Arbitrarily the task is divided into the following components for the sake of convenience. This division is by no means exhaustive or rigid. It is merely meant to give semblance to this abstract and versatile role.

**EXPERT TRAINER**

- This is the most fundamental role of a supervisor. He has to not only ensure and monitor adequate training but also provide continuous helpful feedback (formative) regarding the progress of the training.
- This would entail observing the trainee’s performance and rapport with all the people within his work environment.
- He / she should teach the trainee and help him / her overcome the hurdles during the learning process.
- It is the job of the supervisor to make the trainee develop the ability to interpret findings in his patients and act suitably in response.
- The supervisor must be adept at providing guidance in writing dissertation / research articles (which are essential components of training).
- Every supervisor is expected to participate actively in Supervisors’ workshops, conducted regularly by CPSP, and do his/her best to implement the newly acquired information/ skills in the training. It is his basic duty to keep abreast of the innovations in his field of expertise and ensure that this information percolates to trainees of all years under him/ her.
RELIABLE LIAISON

● The supervisor must maintain regular contact with the College regarding training and the conduct of various mandatory workshops and courses.
● It is expected that the supervisor will establish direct contact with relevant quarters of CPSP if any problem arises during the training process, including the suitability of trainee.
● They must be able to coordinate with the administration of their institutions/organizations in order to ensure that their trainees do not have administrative problems hampering their training.

PROFICIENT ADMINISTRATOR

● He/she must ensure that the trainee’s have completed the yearly logbooks and have submitted the summary sheets within these logbooks.
● They must provide assessment reports to the College at the end of each year or training period. These reports are used to evaluate a trainee’s performance and should indicate if training has been followed satisfactorily. The report must also contain positive and negative aspects of the trainee’s performance and any extra academic endeavors made by them. Prolonged absences must also be mentioned in sufficient detail. It is essential that each report be discussed and signed by both the trainer and the trainee before it is sent to the College.
● The supervisor might be required to submit confidential reports on trainee’s progress to the College.
● The supervisor should notify the College of any change in the proposed approved training program.
● In case the supervisor plans to be away for more than two months, he/she must arrange satisfactory alternate supervision during the period.
TRAINEE’S ROLE AND RESPONSIBILITIES

1. Given the provision of adequate resources by the institution, Trainees should accept responsibility for his own learning and ensure that it is in accord with the relevant requirements.

2. Should investigate sources of information about the program and potential Supervisor and play an informed role in the selection and appointment of the Supervisor.

3. Should seek reasonable infrastructure support from their institution and Supervisor, and use this support effectively.

4. Should ensure that they undertake training diligently.

5. Should work with their supervisors in writing the synopsis/research proposal and submit the synopsis/research proposal within six months of registration with the RTMC.

6. Should accept responsibility for the dissertation, and plan and execute the research within the time limits defined.

7. Should be responsible for arranging regular meetings with the supervisor to discuss any hindrances to progress and document progress etc. If the supervisor is not able/willing to meet with the student on a regular basis, the student must notify the College.

8. Should provide the supervisor with word-processed dated synopsis and dissertation drafts that have been checked for spelling, grammar and typographical errors, prior to submission.

9. Prior to submission of dissertation, the student should ensure that the supervisor has all the raw data relevant to the thesis.

10. Should submit the completed Dissertation or publish two research papers in the indexed journal or JCPSP before the last year of training. The synopsis of both papers must be approved by the RTMC. The trainee should also be the first of second author.
11. Should follow the Colleges complaint procedures if serious problems arise.
12. Should complete all requirements for sitting an examination.
13. Provide feedback regarding the training post to the College on the prescribed Confidential form.
14. Submit yearly summary sheets of the logbooks, duly filled and signed by the Supervisor.
DURATION: Total Duration Four Years

OBJECTIVES FOR TRAINING PROGRAMME

At the end of the prescribed training period the candidate:-

1. Demonstrates up to date knowledge of scientific basis of haematological disorders (Anaemias, Leukaemias, Lymphomas and bleeding disorders).

2. Demonstrates complete understanding of haematological manifestations of non-haematological disorders.

3. Demonstrates up to date knowledge of scientific basis of transfusion medicine (blood group antigens, antibodies and diseases resulting from their interaction, blood group, HLA and platelet serology and its practical implications, blood and marrow donation, processing, storage and dispensing etc.).

4. Demonstrates the ability to perform all routine laboratory investigations and is able to interpret their results.

5. Demonstrates the ability to perform all routine, specialized and emergency haematological investigations and to interpret their results.

6. Demonstrates the ability to organize, manage and quality control haematology and blood transfusion service.

7. Demonstrates up to date knowledge of other methods and techniques (cytogenetics, molecular biology, immunology, nuclear medicine etc.) in diagnosing and managing haematological disorders.

8. By the end of the fourth year the Resident should also acquire enough knowledge and expertise to evaluate patients with haematological disorders, order and interpret relevant investigations required for arriving at a diagnosis.

   The Resident should be acquainted with the treatment for malignant and non-malignant haematological disorders.
ROTATIONS

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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<tbody>
<tr>
<td>Haematology</td>
<td>12 months</td>
<td>-</td>
<td>12 months</td>
<td>12 months</td>
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<tr>
<td>Microbiology/parasitology</td>
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<td>04 months</td>
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<tr>
<td>Chemical Pathology</td>
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<td>04 months</td>
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<tr>
<td>Histopathology</td>
<td>-</td>
<td>04 months</td>
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Note: The Candidate will also get training in Haematology in the afternoons during the year of rotational training.

CURRICULUM

Comprehensive training programme shall include:-

1. Rotation for suitable periods (depending upon previous experience of the candidate) in the following:
   - Histopathology
   - Microbiology (including virology and immunology)
   - Chemical Pathology
   - Laboratory Haematology
   - General Medicine including medical ICU
   - Clinical Haematology
   - Haematologic Oncology
   - Blood Transfusion Centre
   - Blood and Marrow Transplantation (BMT) Centre
   - Molecular Genetics and Cytogenetics Centre (Related to Haematology)

2. The candidate must perform himself following procedures repeatedly:
   - Bone marrow aspiration
   - Bone marrow trephine biopsy
   - Calibration and quality control of automated haematology analyzers.
   - Electrophoretic techniques
   - Coagulation studies
● Cyto-chemical staining of blood and bone marrow
● All manual haematological tests
● Lumber puncture
● Paracentesis
● Other essential medical procedures
● Stem cell and bone marrow harvesting

3. The candidate must plan, organize and conduct a research project and write dissertation.

4. The candidate shall make suitable number of presentation in:
   ● Clinico-pathological conferences
   ● Case discussions
   ● Journal clubs
   ● National scientific meetings/conferences.

5. The candidate must write at least two articles for publication in a National/International medical journal.

6. The candidate must plan, prepare and deliver a suitable number of lectures to other trainees/students.

CORE CURRICULUM

COMPETENCIES IN HAEMATOLOGY
During the period of training, a Resident acquires various skills and knowledge. The minimum level of competencies required for years are listed accordingly. It goes without saying that these competencies are "added, on". Therefore, the second year Resident will have all competencies of the 1st year and those that he/she acquires in the 2nd year.

The level of competencies will also advance as the training proceeds. In the beginning the Resident will perform a skill under supervision, subsequently that skill should be performed independently and later, the Resident should be competent enough to impart training of that skill to a junior colleague.
By the end of 1st year the resident should have working knowledge and skills of the following laboratory procedures and acquire clinical skills by training in haematology outdoor and indoor wards.

1. Clinical skills; history taking, physical examination, ordering investigation and lab data interpretation.
2. Collection of blood samples for haematological test
3. Hb estimation with calibration and quality control.
4. Preparation and staining of blood films.
5. Preparation of various stock solutions and stains.
6. Use of nuerbar chamber and the following counts.
   - Total RBC count
   - TLC count
   - Platelet count
7. Determination of PCV (microhaematocrit).
8. Calculation of absolute values.
10. Bleeding time and whole blood coagulation time.
11. Selection and registration of blood donors.
13. Anticoagulants used in blood banking.
14. ABO grouping tile and tube methods.
15. RhD grouping.

SHOULD BE ABLE TO PERFORM THE FOLLOWING PROCEDURES:

1. Lumbar puncture, Paracentesis, FNA.
2. Bone marrow aspiration under supervision.
   - RBC
   - WBC
   - Platelets
5. DLC
6. Supravital stains and their preparation
7. Reticulocyte count including
   - Demonstration of Heinz bodies
   - Demonstration of Hb inclusions
8. Preparation staining of thick and thin films for malarial parasite
9. Identification and calculation of parasite index
10. Staining of bone marrow films
   ● Leishmann
   ● Iron stain

11. Reporting of Bone marrow aspiration under supervision
12. NAP scoring
13. Test for G6PD deficiency
14. Sickling test
15. Prothrombin time and INR
16. APPT
17. Thrombin Time (TT)
18. Fibrinogen level
19. Coombs test
   ● Direct.
   ● Indirect

20. Du testing
21. Compatibility testing
22. Screening of blood donors for TTD
   ● Manual (MP, VDRL)
   ● Automation (HBV, HCV and HIV)

23. Preparation of blood components.
   ● Packed cells.
   ● Platelets.
   ● Fresh Frozen Plasma (FFP).
   ● Cryoprecipitate
   ● Stem cell harvesting
   ● Cryo preservation

24. Apheresis procedures for
   ● Platelets
   ● Plasma

25. Perform BMA independently in adults
26. Perform BMA under supervision in children
I. MICROBIOLOGY & PARASITOLOGY

**ROTATION PERIOD: 4 months (16 WEEKS)**

1. **Media Room:**
   - Learning different staining procedures.
     a. Gram staining
     b. AFB staining
   - How to prepare different medias
   - Sterilization procedures and working of Autoclaves
   - Quality control of microbiological tests

2. **Handling specimen:**
   - Learning of proper specimen collection techniques
   - How to proceed with different specimen systemically
   - Practicing making smears on slide, inoculating culture plates and putting up different biochemical tests

3. **Routine reading of results**
   - Daily following of routine procedures and results along with the microbiologist.

4. **Serological tests:**
   - Performing different serological tests based on the principles of Ag-Ab reaction.
   - Develop an understanding of the principle and working of ELISA technique.

5. **Fungal tests:**
   - Collection of suspected fungal specimen i.e. skin scrapping, nail clipping.
   - Direct microscopy.
   - Putting up fungal cultures and reading their results.

6. **Proceeding with a single specimen till completion i.e.**
   - identification of organism and sensitivity results.

7. **Submission of a written assignment on the topic designated at the end of rotation.**

8. **Urine analysis.**

9. **Stool Analysis.**

10. **Identification of different parasites and their larval stages**

11. **Semen analysis.**

12. **Pregnancy tests on urine.**
II. CHEMICAL PATHOLOGY  
Rotation period: 4 months (16 weeks)  
1. Putting up different manual tests routinely.  
2. Practice accurate pipetting using rubber teats.  
3. Learning proper specimen collection and plasma separation technique.  
4. Develop an understanding regarding working and principles of Auto analyzers.  
5. Learning the maintenance of quality control in the lab.  
6. Keeping a register for routine working.  
7. Chemical correlation of abnormal results.

III. HISTOPATHOLOGY  
Rotation period: 4 months (16 weeks)  
1. Handling of specimen.  
   ● Gross examination of specimens.  
   ● Section cutting under the guidance of histopathologist.  
   ● Learning the different steps of tissue processing.  
2. Staining procedures:  
   ● Routine H & E Staining.  
   ● Special Staining Procedures.  
3. Microscopy:  
   ● Identification of normal histology of tissues.  
   ● Identification of common pathologies.  
   ● Taking help from teaching slide box or better understanding.
1. Special stains of Bone marrow aspirate.
   ● PAS
   ● Sudan Black.
   ● Esterases.
   ● Myeloperoxidase.
   ● Acid phosphatase.

2. Osmotic fragility test.
5. Preparation of hemolysate
6. Hb Electrophoresis
   ● Hb A2 estimation.
   ● Hb F estimation.
8. Ham's test.
9. Sucrose lysis test.
10. Other tests for PNH.
11. Mixing studies for coagulation abnormalities.
12. Investigation of Lupus anticoagulant.
13. Rh phenotyping.
15. Investigation of a transfusion reaction.
17. Quality control in blood banking.
19. Perform trephine biopsy under supervision.
22. Urea solubility test.
FOURTH YEAR RESIDENT

1. Introduction to techniques in cytogenetics.
2. Introduction to techniques of molecular biology.
3. Introduction to flow cytometry.
4. Clotting factor assays.
6. Platelet function tests.
7. Qualitative / quantitative assays of FDPs / D-dimers.
9. Euglobin lysis time.
10. Radio nucleotides in hematology and radiation protection.
11. Measurement of red cell mass.
15. Tests for splenic function.
17. Anti body titration.
18. Investigation of HDN.
19. Enzyme treatment of red cell and their use
20. Variants of ABO system.
21. Variants of Rh system.
22. Typing for other blood groups.

ROTATIONS

A certificate testifying the candidate’s attendance is obligatory for admittance to the final examination and an entry in the logbook must also appear to this effect. The Trainer should arrange for the sub-specialty training according to the facilities available.
Trainees are required to maintain a logbook. These logbooks will be sent to candidates by the RTMC after they become registered for training.

GUIDELINES FOR TRAINEES:
1. The logbook is intended for documenting all the activities performed by the trainee during the training period.
2. Entries must commence from the start of the training programme.
3. Trainees are advised to make the required entries on the day of the event. The immediate supervisor must sign all entries on the day of the event.
4. Completed and duly certified logbook will form a part of the application for appearing in FCPS part – II examination.

GUIDELINES FOR SUPERVISORS:
1. The logbook is a day to day record of the clinical and academic work done by the trainee.
2. Its purpose is to assess the overall training of the candidate and to determine deficiencies if any so that they may be corrected.
3. The supervisor or any other designated trainer (Consultant/Associate Professor/Assistant Professor / RMO) who is capable of testing the competence of the trainee in the specified area should ascertain that the entries in the logbook are complete in all respects. They should then certify the accomplishment of desired competency by signing in the appropriate column soon after the activity is conducted.
4. The head of the unit shall authenticate the entries by signing the certificate. It is suggested that the heads of the unit check the log books at least once a month, so that they can spot any deficiencies or otherwise in the training (e.g. the trainee has not rotated through a subspecialty which he/she should have).
THE SUMMARY SHEET: (LOG BOOK)
1. This forms a part of the formative assessment.
2. It identifies the various competencies as well as the level of competence that has been achieved during a specified year of training.
3. The trainee should fill the number of encounters at each level of competence and also enter the total number of encounters at the end of each year.
4. Entries should be made legibly in black ink since the forms will be scanned by computer.
5. The trainee should fill the summary sheet at the end of each year. This should be double-checked by the supervisor before signing and submitting the sheet to the College for analysis, assessment and feedback.

NOTE: The College reserves the right to demand evidence in the form of logbook in order to verify the data provided in the summary sheets.

RESEARCH & MANDATORY WORKSHOPS

RESEARCH (DISSERTATION):
One of the training requirements is a dissertation on a topic relevant to the major subject of specialization. Dissertation topic must be submitted to the Research, Training and Monitoring Cell (RTMC) of the College of Physicians and Surgeons Pakistan within the first nine months of training period, for approval. Trainees must submit the dissertation to the College during the training period, nine month before the date of examination. Five copies of the dissertation should be submitted to the RTMC. Three Copies with loose binding and two soft copies on good quality cd’s along with a bank draft/cash receipt of the prescribed fee for dissertation. If the dissertation is found to be satisfactory a certificate to this effect will be issued by the College. This certificate will form a part of the documents to be submitted with the application form for taking the examination.

OR
The candidates can submit two research papers published/accepted for publication in JCPSP or in Journals included in Index Medicus, where the candidate must be either the first or second author.
MANDATORY WORKSHOPS:
It will be mandatory for all trainees to attend the following workshops, duly certified by the CPSP, for being eligible to appear in examination.

1. Computer and Internet Orientation
2. Research Methodology and Dissertation Writing
3. Communication Skills

ASSESSMENT

ELIGIBILITY REQUIREMENTS FOR FCPS PART-II EXAMINATION
The eligibility requirements for candidates appearing in FCPS Part II are:

1. To have passed FCPS Part-I in Pathology, or been granted official exemption.
2. To have undertaken four years of the specified training in Haematology, under a supervisor and in an institution approved by the CPSP.
3. To submit a completed and duly attested logbook.
4. To provide a certificate of approval of dissertation or acceptance of two research papers which must accompany the application form.
5. To provide a certificate of attendance of mandatory workshops.

EXAMINATION SCHEDULE
● The FCPS Part-II theory examination will be held twice a year.
● Theory examinations are held in various cities of the country usually at Abbottabad, Bahawalpur, Faisalabad, Hyderabad, Islamabad, Karachi, Larkana, Lahore, Multan, Peshawar, Quetta and Rawalpindi, centres. The College shall decide where to hold oral/practical examination depending on the number of candidates in a city and shall inform the candidates accordingly.
● English shall be the medium of examination for the theory/practical/clinical and viva examinations.
● The College will notify of any change in the centres, the dates and format of the examination.
A competent authority appointed by the College has the power to debar any candidate from any examination if it is satisfied that such a candidate is not a fit person to take the College examination because of using unfair means in the examination, misconduct or other disciplinary reasons.

Each successful candidate in the Fellowship examination shall be entitled to the award of a College Diploma after being elected by the College Council and payment of registration fees and other dues.

**EXAMINATION FEES**

- Fees deposited for a particular examination shall not be carried over to the next examination in case of withdrawal/absence/exclusion.
- Applications along with the prescribed examination fees and required documents must be submitted by the last date notified for this purpose before each examination.
- The details of examination fee and fees for change of centre, subject, etc. shall be notified before each examination.

**REFUND OF FEES**

- If, after submitting an application for examination, a candidate decides not to appear, a written request for a refund must be submitted before the last date for withdrawal with the receipt of applications. In such cases a refund is admissible to the extent of 75% of fees only. No request for refund will be accepted after the closing date for receipt of applications.

If an application is rejected by the CPSP, 75% of the examination fee will be refunded, the remaining 25% being retained as a processing charge. No refund will be made for fees paid for any other reason, e.g. late fee, change of centre/subject fee, etc.

**FORMAT OF EXAMINATIONS:**

Every candidate vying for the Fellowship of the College of Physicians and Surgeons Pakistan must pass both parts of the Fellowship examination unless exemption is approved. The College in its endeavor to improve and upgrade its examination system and make it more fair and candidates friendly will be introducing TOACS (Task Oriented Assessment of Clinical Skills) and MCQ’s in the near future. However any such changes will be made after notifying candidates well in advance.
PART I THEORY EXAMINATION:

- This is a written examination consisting of two papers. Each paper is of 3 hours duration and consists of Essay Type Questions.

- Only those candidates who qualifying in theory will be called for Practical, Clinical and Viva examination. Detailed instructions will be sent out to all candidates who pass the theory exam regarding the date and particulars of the practical and viva voce exam.

Note:
The candidate is required to fill a self explanatory ‘feedback proforma at the end of the examination. This will help the College in making future examination more candidate friendly.

THE COLLEGE RESERVES THE RIGHT TO ALTER/AMEND ANY RULES/REGULATIONS.
Any decision taken by the College on the interpretation of these regulations will be binding on the applicant.
FREQUENTLY ASKED QUESTIONS

Q. Can you tell me what opportunities are available for a medical graduate to pursue postgraduate studies in Pakistan?

Students can opt for joining fellowship and membership programs offered by CPSP or join the programs offered by various universities such as M.S., M.D. and other minor diplomas.

Q. Who can sit the FCPS Part I examination?

- Medical School Graduates - All applicants must have graduated from medical college recognised by the PMDC.
- One (1) year of house job - All applicants, for FCPS I must complete a postgraduate clinical year in an approved institution.

Q. How do I apply for FCPS I examination?

The application forms are available with the examination department at the CPSP - Karachi as well as all the regional centres of the College

Q. What are the requirements for appearing in FCPS I examination?

Requirements for a physician to enter into postgraduate fellowship training include:
- Medical School Graduates - All applicants must have graduated from medical college recognised by the PMDC.
- One (1) year of house job - All applicants, for FCPS I must complete a postgraduate clinical year in an approved hospital.

Q. What are the requirements to be completed before appearing in FCPS II examination?

- Three (3) to five (5) years in a residency program -
- In addition to a house job, all applicants must satisfactorily complete a residency training program including specified rotations accredited by the College of Physicians & Surgeons Pakistan.
- Submission of approved dissertation
- Attendance of mandatory workshops

After successfully completing these requirements, a candidate may sit for the FCPS Part II examination.
Q. Where can I get more information about specific postgraduate programs offered by the CPSP?

All information pertaining to the training program is outlined in the relevant Prospectus. This is available at all regional centres of the College on payment of the prescribed fee.

Q. I hold a foreign qualification. Do I need an equivalence certificate and from whom?

A. If you hold a recognised specialist certificate confirming your specialist training in another country you should apply directly to the Pakistan Medical and Dental Council (PMDC) for an equivalence certificate. However, if your qualification is not recognised by the PMDC you could apply to be assessed as an overseas trained specialist.
# Useful Addresses and Telephone Numbers of Relevant CPSP Departments:

## 1. Regional Offices of the CPSP

**MUZAFFARABAD**
- CMH Muzaffarabad, Azad Kashmir
- **TEL:** 058810 - 43307
- **FAX:** 058810 - 43902
- Email: cpspmzd@hotmail.com

**ABBOTTABAD**
- Ayub Hospital Complex, Abbottabad
- **TEL:** 0992-383330
- **FAX:** 0992-383330

**PESHAWAR**
- Hayat Medical Complex, Phase IV, Hayatabad, Peshawar
- **UAN:** 111-606-606
- **TEL:** 091-9217011
- **FAX:** 091-9217062
- Email: cpspew@hotmail.com

**ISLAMABAD**
- Room # 3014/3015, CMT, Bulding, P.I.M.S. Islamabad.
- **UAN:** 111-606-606
- **TEL:** 051-9261196, 9266333
- **FAX:** 051-2252134
- Email: cpspislamabad@yahoo.com

**BAHAWALPUR**
- Quaid-e-Azam Medical College, Bahawalpur
- **TEL:** 0621- 884760
- **FAX:** 0621- 884760

**RAWALPINDI**
- Armed Forces Institute of Cardiology, Rawalpindi
- **TEL:** 051-9271002 Ext: 3050
- **FAX:** 051-9271247

**FAISALABAD**
- Punjab Medical College, Faisalabad
- **TEL:** 041-9210131
- **FAX:** 041-788860
- Email: cpsp@fsd.paknet.com.pk

**LAHORE**
- CPSP Regional Office, CPSP, New Muslim Town, Block-D, Lahore.
- **UAN:** 111-606-606
- **TEL:** 042- 5863455, 5885277
- **FAX:** 042- 5867259

**MULTAN**
- Distt. Jail Road, Opp Circuit House, Multan. **UAN:** 111-606-606
- **TEL:** 061-9200946, 9200952
- **FAX:** 061-583099
- Email: cpspmul@mul.paknet.com.pk

**NAWABSHAH**
- Pathology Dept. P.M.C. Nawabshah
- **TEL:** 0241-9370271
- **FAX:** 0241-9370261
- Email: regoffns@hyd. paknet.com.pk

**LARKANA**
- Chandka Medical College, Larkana
- **TEL:** 0741 – 459369
- **FAX:** 0741 – 459369
- Email: cpsplrk@hotmail.com
HYDERABAD
L.U.M.H.S. Jamshoro
Hyderabad
TEL: 0221-877393, 615062
FAX: 0221-781565
Email: cpsphyd@hyd.paknet.com.pk

KARACHI

2. Departments of the CPSP
UAN – 111-606-606

● Examination (FCPS Part I)
  5892801/10 Ext: 311

● Examination (FCPS Part II)
  5892801/10 Ext: 215

● Department of Medical Education
  5892801/10 Ext: 305

● Registration, Training & Monitoring Cell
  5892801/10 Ext: 320

For further contacts visit the College website at:
www.cpsp.edu.pk

QUETTA
CPSP Bolan Medical College
Sandeman Civil Hospital
TEL: 081-9202424
FAX: 081-9202424

3. Saudi Arabia
RIYADH
Saudi Council for Health Specialities,
Diplomatic Quarter, P.O. Box 94656
Riyadh -11614, KSA.
TEL: 966-1-4822415. Ext: 156
FAX: 4884146
Email: scfhs@hotmail.com

JEDDAH
Saudi Council for Health Specialities,
King Abdul University Hospital,
Jeddah, KSA.
TEL: 966-2-6401000 Ext: 25843
Email: eltaayyeb@scfhs@scfhs.org

4. Nepal
NEPAL
T.U. Institute of Medicine
Maharajganj, Kathmandu Nepal
TEL: 977-1-416224
Email: cpsp@healthnet.org.np