



PRACTICAL & VIVA VOCE FCPS EXAMINATION IN BIOCHEMISTRY

INSTRUCTIONS TO CANDIDATES

GENERAL INSTRUCTIONS

- Each candidate would report to the convener one hour before the start of the examination.
- Each candidate must bring his/her Admit card displayed on the white coats.
- Each candidate must sign the attendance sheet every day in the presence of the convener or the examiner detailed by the convener for this purpose.
- Each candidate must wear a white coat during the examination.
- Candidate must fill a feedback proforma, which would be given to them by the convener at the end of the examination.
- All candidates would maintain the full decorum of the examination and would not talk to each other during the course of examination.

The practical and oral examination will be conducted on two days from 9:00 a.m. daily. Details of the examination on both the days are given below.

COMPONENTS	
DAY -1	Briefing to candidates
(Component I-A)	Handling of equipments/Instruments
(Component I-B)	Major Biochemical tests
	Lunch Break / Prayer
(Component II-A)	Data Interpretation
DAY -2	
(Component II-B)	Screening Tests
(Component III)	Viva Voce
	Lunch Break / Prayer
Defence of thesis	

Practical / Viva Voce

It will consist of three components of practical and one component of viva voce examination.

Practical Components

DAY - ONE

COMPONENTS-I

SUBCOMPONENT I-A (INSTRUMENT HANDLING)

Instrument Handling

Technical competence of the candidates will be checked to operate / use one of the commonly used equipments in Biochemistry.

SUBCOMPONENT I-B (MAJOR BIOCHEMICAL TESTS)

Candidate will be provided three samples of plasma / blood / serum and will be required to estimate the given biochemical estimations. They will be provided necessary reagents / method sheets. The candidate will be required to report the result along with probable diagnosis, further investigation to reach final diagnosis.

COMPONENTS-II

SUBCOMPONENT II-A (INTERPRETATION OF RESULTS / DATA)

- The components consists of 20 cases. Each case will consist of clinical and / or laboratory data. At the end of each data there will be a question pertaining to interpretation of the given data. The candidate will be required to give appropriate answer. The question may require one of the following answers from candidate:
 - a) Most probable diagnosis
 - b) Differential diagnosis
 - c) Probable diagnosis and suggestion of any confirmatory test for that diagnosis.
- Each case will be given weightage according to difficulty index. These will be indicated in the key prepared before the administration of this part of the components.
- Appropriate number of cases constituting 60% of marks (according to weightage) will be labeled as "Essential." Rest of the cases will be optional (40 %).
- **The time allocation for these twenty cases will be forty minutes.**

Candidate will be required to:

- Introduce himself and take an informed consent
- Take History
- Perform general physical examination
- Perform relevant systemic and local examination
- Give logical interpretation of finding
- Discuss differential diagnosis
- Give investigation plans
- Principle of management

DAY - TWO

SUBCOMPONENT II-B (SCREENING TEST)

The candidate will be provided 3-4 samples of urine. He/She will be required to perform biochemical screening tests along with interpretation / suggestion for further plan.

COMPONENT-III VIVA VOCE

The viva voce will be conducted by two pairs of examiners.

Thesis Defence

A panel of four examiners on the thesis will examine each candidate for 60 minutes. The candidate will have to briefly present his research in 10 minutes time and will be rated on the presentation style and quality of the summary. The examiners will ask questions pertaining to the following areas and the candidate will have to defend his/her study:

1. The problem and its importance in the local context
2. The methodology and its validity
3. Data presentation and its quality
4. Statistical methods used and their validity
5. Conclusions drawn and their basis
6. Explanation of similarities and differences between the study presented and related studies
7. Significance and importance of results

The candidates will also be rated on their verbal communication skills and knowledge of the relevant subject.

Each assessor will independently score the candidate on the scoring sheet without conferring with the fellow examiner. The examiner will also give a global rating whether he/she approves or disapproves the thesis defense.

The final score of the candidate will be the average of the award given by both examiners.

NOTE: The candidate are required to fill a self explanatory ‘feedback proforma’ at the end of the examination.