

6th FOOD ANALYST EXAMINATION (6th FAE)
PAPER – II (PRACTICAL EXAMINATION)

1. All the candidates who have qualified Paper-I of 6th FAE are informed that the Paper-II (Practical examination) is scheduled to be held at the following centers on **14th and 15th September, 2019**

Center Code	Name & Address of the Center
01	National Institute of Food Technology, Entrepreneurship & Management (NIFTEM), Plot No. 97, Sector 56, HSIDC Industrial Estate, Kundli, Sonapat, Haryana 131 028
02	Department of Food Safety & Analytical Quality Control (FSAQCL) CSIR-Central Food Technological Research Institute (CSIR-CFTRI) Mysore 570 020
03	Department of Food Engineering & Technology Institute of Chemical Technology (ICT), Matunga, Mumbai 400 019

Center wise details of candidates is annexed.

The candidates are provisionally admitted to appear for the practical examination. Final issuance of certificate, upon qualifying the practical examination would be subject to verification of educational qualification and mandatory experience as prescribed in FSSR 2011.

Admit Cards will be made available for download through a link on FSSAI's website or will be issued separately through email shortly.

If any candidate does not receive the admit card by 9th September, 2019, he/she may contact Shri. Shailender Kumar, Assistant Director (QA) at faexam.qa@fssai.gov.in (Phone No: 011-23237417).

2. The pattern, qualifying criteria, schedule and syllabus of the examination are as below –

Pattern of examination

	Particular	Weightage (%)	Marks
Paper-II	Part-A: Methods of Analysis	25	50
	Part-B: Practical Proficiency	50	100
	Part-C: Viva-voce	25	50
	Total	100	200

- The Paper-II will have three parts viz., **Part-A** (Theory paper dealing with methods of analysis), **Part-B** (Practical test to be conducted by the candidates) and **Part C** (Viva-voce)

Qualifying criteria

- Candidates who will score a minimum of 40% separately in each of the part A, B& C; and a minimum aggregate of 50% shall only be declared as passing the Paper II and eventually be declared as “Food Analyst” by the Board subject to fulfilling all the laid down conditions.

Schedule Date

- Date: 14th and 15th September, 2019 (2 days)
- Time: 09:00 AM to 05:00 PM

Syllabus for Practical Exam with Viva-Voce

1. Physical, Chemical, Microbiological (including microscopic examination as required) examination of the food and food products as described under FSS Regulation, 2011.
 2. Proximate analysis of food.
 3. Detection and estimation of various contaminants in foods.
 4. Any other type of food analysis as required under FSS Act, 2006 and FSS Regulation, 2011.
 5. Theory of Practical's/Instrumentations:
 - i. Quantifications of Melamine Analysis, Herbicides, Pesticides and Synthetic Color.
 - ii. Antibiotic, Antibacterial drug residues in Food.
 - iii. Specialized Veterinary Samples received from Ante-mortem and Post-mortem inspection
 - iv. Gel Electrophoresis, ELISA, PCR, RT-PCR, r-PCR, Antibiotic and Hormone residues, Melamine, GM food analysis method.
 - v. Fatty acid profile, PUFA, MUFA, Cholesterol
- **Indicative list of Analysis**
 - i. Analysis of Artificial sweeteners e.g. Aspartame in diet drinks and light foodstuffs.
 - ii. Aflatoxins and Mycotoxins contamination in Food
 - iii. Quantification of preservatives like SO₂, Benzoic acid, Synthetic colors in foods.
 - iv. Melamine in milk and milk products
 - v. Principles and detailed method of Pesticides Analysis (Organochlorine and Nitrogen, Sulphur containing) compounds Sub ppb level in Food stuffs including Fruits and Vegetables.
 - vi. Samples received (Referral/Appellate samples) from Designated Officer under FSS Act/Rules/Regulations.
 - **Indicative list of instruments:**
 1. HPLC High Performance with UV-Vis Detector
 2. HPLC with UV-vis and Fluorescence Detector- Amino Acid for system and for Protein Analysis.

3. HPLC with Evaporating Light Scattering Detector (ELSD) Detector- For Sugar Analysis
4. LC-QQQ MS/MS (Triple Quadrupole Detector) (1 for Pesticide, 1 for Aflatoxins and 1 for Antibiotics)
5. LC-QToF- Quadrupole Time of Flight) 1 No. for Non –Target Pesticide Analysis.
6. Ion Chromatograph
7. PCR & RTPCR – Real Time Polymerase Reaction system –for GM food and Pathogen Detection
8. GCMS –QQQ (MS/MS) Gas Chromatograph Triple Quad system- Pesticide Analyzer
9. GCMS – QQQ (MS/MS) Gas Triple Quad System – for Dioxins, PAH and PCB’ analysis
10. GC- QToF system for Non Target Compounds Analysis
11. GCMS Single Quad with ECD and FPD Detector
12. GC with FID, ECD, NPD Detector
13. DNA Sequencer
14. Bioanalyzer- DNA/RNA/Protein Analysis
15. Colony Counter
16. Fourier Transform Infrared spectroscopy (FTIR)
17. Graphite Furnace Atomic Absorption (GFAA)
18. LC-ICP-MS (liquid chromatography-Inductively Coupled Plasma -Mass Spectrometry)
19. UV-Vis Spectrophotometer
20. Kjeldalh Digester system
21. Gel Electrophoresis system
22. Flow Cytometer
23. Imaging System- Microscope
24. Nuclear Magnetic Resonance (NMR)system
25. Microbiological ELISA
26. Micro Wave Digesters
27. Rotary Evaporator
28. Balances
29. pH meter
30. Hot Plate
31. Centrifuges
32. Oven
33. Refrigerator
34. Deep Freezer
35. Water Bath

Center-wise Details of Candidates for Practical examination

The candidates are provisionally admitted to appear for the practical examination. Final issuance of certificate, upon qualifying the practical examination would be subject to verification of educational qualification and mandatory experience as prescribed in FSSR 2011.

S. NO.	ROLL NO	NAME OF THE CANDIDATE
01 NIFTEM, Kundli, Sonipat		
1	1826660008	Raj Gupta
2	1826660018	Manish Kumar Agrawal
3	1826660039	Asha Nagar
4	1826660042	Anil Kumar
5	1826660045	Deepika Kachhwaha
6	1826660081	Jyotsana Singh
7	1826660121	Yogesh Agastiji Chatur
8	1826660125	Radhika Sharma
9	1826660132	Neha Gupta
10	1826660192	Sangeeta Nayak
11	1826660208	Ashutosh Dinesh Tatwawadi
12	1826660241	Dushyant Singh
13	1826660245	Sumant Kumar Nayak
14	1826660260	Ziaul Hasan
15	1826660355	Anukul Das
16	1826660363	Dr Aparajita Majumder
17	1826660411	Praveen Kumar Malekadi
18	1826660428	Debashis Roy
19	1826661280*	Monika Rani
20	1826661283	Neha Chaudhary
21	1826661290*	Avishek Halder
22	1826661293*	Romika
23	1826661322	Harvinder Kaur
24	1826661364	Radha Kushwaha
25	1826661367	Chandra Shekhar Singh
26	1826661369	Mamta Mishra
27	1826661371	Raj Kapoor
28	1826661374	Vinti Singh
29	1826661393	Anil Pandey
30	1826661397	Ashish Kumar Rai
31	180111408	Pooja Tiwari
32	180111313	Megha Puri
33	180111333	Mukesh Kumar
02 CFTRI, Mysore		
1.	1826660721*	Deepak S J
2.	1826660772*	Hemalatha

S. NO.	ROLL NO	NAME OF THE CANDIDATE
3.	1826660789	Parthasarathi Srikanthan
4.	1826660800	Karthi M
5.	1826660808*	Nagapooja Yogendraiah Matadha
6.	1826660809	Dheenan P S
7.	1826660810	Saravanan B
8.	1826660818	Neethi S S
9.	1826660828*	Thejaswi N
10.	1826660831	Anusha Ramani
11.	1826660840	Kesavakumar Kamath N
12.	1826660862	Sunitha Rampur
13.	1826660871	Ravikumar Topanagouda Negalur
14.	1826660880	Balakrishnan
15.	1826660894	V V Narasimha Murthy Potnuru
16.	1826660896	Gourishankar Manikrao
17.	1826660931*	Kunal Manikrao Shende
18.	1826661062	Anusree G K
19.	1826661070	Abhilash Mullasseril
20.	1826661085	Aazia Gulshan
21.	1826661114	Renu Pillai
22.	1826661138	Kumara Swamy
23.	1826661161*	Satish Mutyam
24.	1826661173	Ravi Kiran
25.	1826661192	G Sonia Kumari
26.	1826661251	Shaik Noor Mohammad
27.	1826661257*	Challa Raja Sekhar Reddy
28.	1815550090	Vishnuraj.M.R
03 ICT, Mumbai		
1.	1826660434*	Sarita Mangesh Sawant
2.	1826660447	Rohit Janardhan Raghatwan
3.	1826660458	Ashish Vishnupant Powar
4.	1826660490	Deepali Gopal Kalambe
5.	1826660496	Dipak Padamsing Pardeshi
6.	1826660525	Mrunal Manoj Lakhan
7.	1826660568	Dharmishthaben Hirabhai Patel
8.	1826660591	Virendra Rohitbhai Vora
9.	1826660629	Rajesh Devisetti
10.	1826660952	Tanhaji Balu Walunj
11.	1826660984	Rashmi Hardik Khanna
12.	1826660986	Deepak Ashok Temak
13.	1826660992	Rushali Rajendra Girame
14.	1812220718	Siddharth Bhagwanrao Tulse

The experience certificates to be submitted by the candidates will be examined and the final discussion regarding their admissibility in practical exam will be communicated by 6th September, 2019.