

4th FOOD ANALYST EXAMINATION (4th FAE) PAPER – III (PRACTICAL EXAMINATION)

1. All the candidates who have qualified Paper-I and Paper-II of 4th FAE are informed that the **Paper-III (Practical examination) is scheduled to be held at the following centers on 7th and 8th April 2018.**

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 31.03.2018, he/she may contact Shri. Shailender Kumar, Assistant Director (QA) at shailender.kumar@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 -III	Part-A: Methods of Analysis	25	50
	Part-B: Practical Proficiency	50	100
	Part-C: viva- voce	25	50
	Total	100	200

- The Paper-III 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 III and eventually be declared as “Food Analyst” by the Board subject to fulfilling all the laid down conditions.

Schedule

- Date: 7th and 8th April 2018 (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.

Sl. No.	Roll No.	Name
01 NIFTEM, Kundli, Haryana (24 Candidates)		
1	180121007	Aditya KapilValiveti
2	180121058	Arvind Kumar
3	180121083	Bhawna Sharma
4	180121086	Bhuwan Chandra Kothiyal
5	180121100	Chandra ShekharKabidayal
6	180121159	HeenaLamba
7	180121211	Kulwant Singh
8	180121248	Mohammad Zubair
9	180121269	Namrata Gupta
10	180121274	Navdeep Kaur
11	180121301	Paridhi
12	180121327	Pramoda Kumar
13	180121368	Ram Sawarey
14	180121386	Renu Singh
15	180121429	Satish Chandra Kushwaha
16	180121520	Upasana Yadav
17	180121539	Vikas
18	180121542	VikasSangwan
19	180121548	Vinay Sharma
20	180121258	MousumiSengupta
21	180121483	Sudip Roy
22	180121519	Umesh Kumar
23	180121531	VenkataVidyaSagarPasupuleti
24	180121556	WangkhemAteshwori Devi
02 CFTRI, Mysore (34 Candidates)		
1	180121096	Chakradhar Seshachala Yama
2	180121103	Chezhiyan
3	180121140	Gangadharan Palani
4	180121171	Jayalavanya
5	180121263	Murugaeswari K
6	180121264	MuthukumarVelusamy
7	180121463	Siva Shankar
8	180121495	Suresh
9	180121144	Giridhar Ranganath Goudar
10	180121148	Gourishankar Manikrao
11	180121185	K.Rajalakshmi
12	180121262	Muniraju Kempanna

Center-wise detail of Candidates

13	180121321	Pragass S
14	180121326	Prakash Chavan
15	180121374	Ramesh V G
16	180121389	Rizwan Shariff
17	180121421	Saraswati Kalaskar
18	180121511	Tanhaji BaluWalunj
19	180121558	Yashaswini J
20	180121003	Abdu Raheem ValiyaParakkal
21	180121048	Ardra Asokan
22	180121065	Aswathi MG
23	180121176	Jisha S Prakash
24	180121182	Joby Thomas
25	180121201	KavithaKumari P
26	180121236	Maya K
27	180121295	Padma Appukuttan Nair Radhamma
28	180121472	Sreedevi Vijayamma
29	180121474	Sreekumar G
30	180121097	Challa Raja Sekhar Reddy
31	180121147	Gouni Laxminarayana Reddy
32	180121348	Rahamath SK
33	180121430	Seetepalli Mallikarjuna Rao
34	180121529	Vani Kaleru

03 ICT, Matunga, Mumbai (22 Candidates)

1	180121145	Gopal Nagorao Kalambe
2	180121198	Kavita Hanumant Jadhav
3	180121229	Manish Kumar Singhal
4	180121282	Neha Yashwantrao Kulkarni
5	180121285	Nikita Rameshbhai Patel
6	180121291	Nutan Suresh Kadam
7	180121297	PallaviYogeshShingote
8	180121417	Santosh BanduUgale
9	180121436	ShahidhusenAbdulganiHaradwala
10	180121446	Sheela Pradeep Gauli
11	180121458	Shubhangi Santosh Atpadkar
12	180121513	Tanvi Sunil Atkari
13	180121521	Urvikkumar Mahesh kumar Dhagat
14	180121554	Vipul Mahendra Kumar Raval
15	180121561	Yogeshwar Balasaheb Bhagat
16	180121006	Aditya Padala
17	180121335	Priyanka Jain
18	180121404	Sachin Dilip Katurde
19	180121469	Sonmayeen Sudhir Gokhale
20	180121494	Supriya Rahul Aher
21	180121533	Vidya Vivekanand Chaudhari
22	180121564	Zareen Saeed Khan