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ICAR IARI Assistant Exam Pattern/ Syllabus 2022

ICAR Assistant Grade Examination

(I) **Scheme of Examination:-**

(A) ICAR Assistant Grade (Preliminary) Examination: -

PART	Subject	No. of Questions	Max. Marks	Duration
A	General Intelligence and Reasoning	25	50	1.00 Hours
B	General Awareness	25	50	(1 hours and 20 minutes for the candidates eligible for scribe.)
C	Quantative Aptitude	25	50	
D	English Comprehension	25	50	

(B) ICAR Assistant Grade (Main) Examination:-

Paper No.	Subject	No. of Questions	Max. Marks	Duration
I	Quantitative Abilities	50 (Objective Type)	100	2 Hours
	English Language & Comprehension	100 (Objective Type)	100	(2 hours and 40 minutes for the candidates eligible for scribe.)
II	Descriptive Paper in English or Hindi (Writing of Essay/ Precis/ Letter/ Application etc.)		100	1 Hours (1 hours and 20 minutes for the candidates eligible for scribe.)

- i. Preliminary and Mains Examinations (Paper – I) will consist of Objective Type, Multiple choice questions. The questions will be set both in English & Hindi except for English Comprehension in Preliminary and Main Examinations (Paper – I).
- ii. The Preliminary Exam and Paper – I of the Main Examination will be conducted in online mode and Paper – II of the Main examination will be conducted in offline mode.

- iii. In Preliminary Examination, there will be negative marking of $1/3^{\text{rd}}$ for each wrong answer.
- iv. There will be **negative marking of $1/3^{\text{rd}}$** for each wrong answer in Paper – I of the Main Examination.
- v. The Paper-II of the Mains Examination will have the option of answering the full paper either in Hindi or in English. No marks will be awarded for answering Part paper in Hindi and part paper in English.
- vi. In Paper-II of the Mains Examination, candidates must write their correct Roll Number at the prescribed places on the cover page of the Answer Book. Candidates must also affix signature and Left-hand Thumb Impression in the relevant columns in the Answer Book. Answer Books not bearing Roll Number, Signature and Left-hand Thumb Impression shall be awarded zero marks.
- vii. Candidates must not write any personal identity e.g. name, roll number, mobile number, address, etc. inside the Answer Book (Paper – II of the Mains Examination). Failure to adhere to these instructions will be treated as unfair means (UFM) and such candidates will be awarded zero marks and their candidature will be rejected.

(II) Skill Test:

- i. The Computer Proficiency Test (CPT) will be held, comprising of three modules: (i) Word Processing, (ii) Spread Sheet and (iii) Generation of Slides.
- ii. Duration of each module will be 15 minutes. These modules will be conducted one after the other.
- iii. The CPT will be conducted in the manner decided by the ICAR for the purpose. CPT is qualifying in nature and qualifying in all the three Modules will be mandatory.
- iv. No exemption from CPT is allowed for any category of PwD candidates. PwD candidates who are eligible for scribes as per the instructions of the Examination will be allowed additional compensatory time of 5 (five) minutes in CPT. Only those VH candidates who opt for scribes in the written examination will be provided passage reader at the time of CPT.
- v. Detailed instructions regarding CPT will be provided by IARI to the eligible candidates.

Indicative Syllabus for Assistant Grade (Preliminary) Examination:

- (A) **General Intelligence & Reasoning:** It would include questions of both verbal and non-verbal type. This component may include questions on analogies, similarities and differences, space visualization, spatial orientation, problem solving, analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning etc. The topics are, Semantic Analogy, Symbolic/ Number Analogy, Figural Analogy, Semantic Classification, Symbolic/ Number Classification, Figural Classification, Semantic Series, Number Series, Figural Series, Problem Solving, Word Building, Coding & de-coding, Numerical Operations, symbolic Operations, Trends, Space Orientation, Space Visualization, Venn Diagrams, Drawing inferences, Punched hole/ pattern- folding & un-folding, Figural Pattern-folding and completion, Indexing, Address matching, Date & city matching, Classification of centre codes/ roll numbers, Small & Capital letters/ numbers coding, decoding and classification, Embedded Figures, Critical thinking, Emotional Intelligence, Social Intelligence.
- (B) **General Awareness:** Questions in this component will be aimed at testing the candidates' general awareness of the environment around him and its application to society. Questions will also be designed to test knowledge of current events and of such matters of every day observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining History, Culture, Geography, Economic Scene, General Policy & Scientific Research.
- (C) **Quantitative Aptitude:** The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be computation of whole numbers, decimals, fractions and relationships between numbers, Percentage. Ratio & Proportion, Square roots, Averages, Interest, Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time & Work, Basic algebraic identities of School Algebra & Elementary surds, Graphs of Linear Equations, Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a

circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency polygon, Bar diagram & Pie chart.

- (D) **English Comprehension:** Candidates' ability to understand correct English, his/ her basic comprehension and writing ability, etc. would be tested.

The questions in Parts A, B, & D will be of a level commensurate with the essential qualification viz. Graduation and questions in Part-C will be of 10th standard level.

Indicative Syllabus for Assistant Grade (Mains) Examination:

Paper-I

- (i) **Quantitative Abilities:** The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of whole numbers, decimals, fractions and relationships between numbers, Percentage, Ratio & Proportion, Square roots, Averages, Interest, Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time & Work, Basic algebraic identities of School Algebra & Elementary surds, Graphs of Linear Equations, Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and Distances, Histogram, Frequency polygon, Bar diagram & Pie chart.
- (ii) **English Language and Comprehension:** Questions in this component will be designed to test the candidate's understanding and knowledge of English Language and will be based on spot the error, fill in 21 the blanks, synonyms, antonyms, spelling/ detecting misspelled words, idioms & phrases, one word substitution, improvement of sentences, active/ passive voice of verbs, conversion into direct/ indirect narration, shuffling of sentence parts, shuffling of sentences in a passage, cloze passage & comprehension passage.

Paper-II

Questions in the Paper-II (Writing of Essay/ Precis/ Letter/ Application etc.) will be of Graduation Level.

Pre Exam Centre

S.No.	State	City
1	Bihar	Patna
2	Bihar	Purnea
3	Bihar	Muzaffarpur
4	Bihar	Gaya
5	Bihar	Darbhanga
6	Bihar	Bhagalpur
7	Jharkhand	Ranchi
8	Jharkhand	Dhanbad
9	Tamil Nadu	Chennai
10	Tamil Nadu	Madurai
11	Gujarat	Ahmedabad
12	Gujarat	Vadodara
13	Maharashtra	Amravati
14	Maharashtra	Aurangabad
15	Maharashtra	Mumbai
16	Maharashtra	Nagpur
17	Maharashtra	Nanded
18	Maharashtra	Nashik
19	Maharashtra	Pune
20	Haryana	Faridabad
21	New Delhi	New Delhi
22	Uttar Pradesh	Greater Noida
23	Uttar Pradesh	Meerut
24	Uttar Pradesh	Noida
25	Uttar Pradesh	Bareilly
26	Uttarakhand	Haldwani
27	Uttarakhand	Dehradun
28	Uttarakhand	Roorkee
29	Uttar Pradesh	Muzaffarnagar
30	Uttar Pradesh	Varanasi
31	Uttar Pradesh	Prayagraj
32	Uttar Pradesh	Gorakhpur
33	Uttar Pradesh	Kanpur
34	Uttar Pradesh	Lucknow
35	Uttar Pradesh	Agra
36	Uttar Pradesh	Aligarh
37	Uttar Pradesh	Jhansi
38	Madhya Pradesh	Bhopal
39	Madhya Pradesh	Gwalior

40	Madhya Pradesh	Indore
41	Madhya Pradesh	Jabalpur
42	Madhya Pradesh	Satna
43	Madhya Pradesh	Ujjain
44	Chattisgarh	Raipur
45	Odisha	Bhubaneswar
46	Odisha	Cuttack
47	Assam	Guwahati
48	Manipur	Imphal
49	Meghalaya	Shillong
50	Nagaland	Kohima
51	Tripura	Agartala
52	West Bengal	Asansol
53	West Bengal	Durgapur
54	West Bengal	Kalyani
55	West Bengal	Kolkata
56	West Bengal	Siliguri
57	Rajasthan	Ajmer
58	Rajasthan	Bikaner
59	Rajasthan	Jaipur
60	Rajasthan	Jodhpur
61	Rajasthan	Kota
62	Rajasthan	Udaipur
63	Haryana	Ambala
64	Haryana	Hisar
65	Haryana	Kurukshetra
66	Himachal Pradesh	Hamirpur
67	Himachal Pradesh	Shimla
68	Himachal Pradesh	Solan
69	Jammu and Kashmir	Jammu
70	Jammu and Kashmir	Srinagar
71	Punjab	Amritsar
72	Punjab	Bathinda
73	Punjab	Ludhiana
74	Punjab	Mohali
75	Punjab	Patiala
76	Andhra Pradesh	Guntur
77	Andhra Pradesh	Kurnool
78	Andhra Pradesh	Rajahmundry
79	Andhra Pradesh	Tirupathi
80	Andhra Pradesh	Vijayawada

81	Andhra Pradesh	Visakhapatnam
82	Andhra Pradesh	Vizianagaram
83	Telangana	Hyderabad
84	Telangana	Karimnagar
85	Telangana	Khammam
86	Telangana	Warangal
87	Karnataka	Belagavi(Belgaum)
88	Karnataka	Bengaluru
89	Karnataka	Hubballi(Hubli)
90	Karnataka	Kalaburagi(Gulbarga)
91	Karnataka	Shivamogga(Shimoga)
92	Kerala	Ernakulam
93	Kerala	Thiruvananthapuram

The cities where the **Main Examination** will be held are Delhi/NCR(Noida), Kolkata, Guwahati, Patna, Lucknow, Hyderabad, Bengaluru, Mumbai. Candidates may select two (02) cities in order of their preference for main examination. However, the Cities of Examination could be changed/allocated at the discretion of IARI. Candidates must select the centre of examination carefully while submitting their online application for the examination. No request for change of centre would be entertained at a later stage. There may be more than one venue at any/all cities depending upon the number of candidates registered for the examination.