

CHAPTER – 3

SCHEME OF EXAMINATION

3.1 Mode of Examinations

The Examinations will be conducted in Computer Based Test (CBT) mode.

3.2 Pattern of Question Papers

The Test will consist of three parts. All the parts will consist of objective type, multiple choice questions. There will be no break between papers. The subject-wise scheme of examination is as per details below:

CHEMICAL SCIENCES (701)	PART A	PART B	PART C	TOTAL
Total questions	20	40	60	120
Max No of Questions to attempt	15	35	25	75
Marks for each correct answer	2	2	4	200
Marks for each incorrect answer (Negative marking for part A, B & C is @ 25%)	0.5	0.5	1	-
EARTH, ATMOSPHERIC, OCEAN AND PLANETARY SCIENCES (702)	PART A	PART B	PART C	TOTAL
Total questions	20	50	80	150
Max No of Questions to attempt	15	35	25	75
Marks for each correct answer	2	2	4	200
Marks for each incorrect answer (Negative marking for part A & B is @ 25% and part C is @ 33%)	0.5	0.5	1.32	-
LIFE SCIENCES AND BIO-TECHNOLOGY (703)	PART A	PART B	PART C	TOTAL
Total questions	20	50	75	145
Max No of Questions to attempt	15	35	25	75
Marks for each correct answer	2	2	4	200
Marks for each incorrect answer (Negative marking for part A, B & C is 25%)	0.5	0.5	1	-
MATHEMATICAL SCIENCES (704)	PART A	PART B	PART C	TOTAL
Total questions	20	40	60	120
Max No of Questions to attempt	15	25	20	60
Marks for each correct answer	2	3	4.75	200
Marks for each incorrect answer (Negative marking in Part A & B is 25%; no negative marking in Part C)	0.5	0.75	0	-
PHYSICAL SCIENCES (705)	PART A	PART B	PART C	TOTAL
Total questions	20	25	30	75
Max No of Questions to attempt	15	20	20	55
Marks for each correct answer	2	3.5	5	200
Marks for each incorrect answer (Negative marking for part A, B & C is 25%)	0.5	0.875	1.25	-

Chemical Sciences: The candidate is required to answer a maximum of 15, 35 and 25 questions from Part-A, Part-B and Part-C respectively. **If more than required number of questions are answered, only first 15, 35 and 25 questions in Part A, Part B and Part C respectively will be taken up for evaluation.** Below each question in Part A, Part B and Part C, four alternatives or responses are given. Only one of these alternatives is the "correct" option to the question. The candidate has to find, for each question, the correct or the best answer.

Earth, Atmospheric, Ocean and Planetary Sciences: The candidate is required to answer a maximum of 15, 35 and 25 questions from Part-A, Part-B and Part-C respectively. **If more than required number of questions are answered, only first 15, 35 and 25 questions in Part A, Part B and Part C respectively will be taken up for evaluation.** Below each question in Part A, Part B and Part C, four alternatives or responses are given. Only one of these alternatives is the "correct" option to the question. The candidate has to find, for each question, the correct or the best answer.

Life Sciences and Bio-Technology (LS-BT): The candidate is required to answer a maximum of 15, 35 and 25 questions from Part-A, Part-B and Part-C respectively. **If more than required number of questions are answered, only first 15, 35 and 25 questions in Part A, Part B and Part C respectively will be taken up for evaluation.** Below each question in Part A, Part B and Part C, four alternatives or responses are given. Only one of these alternatives is the "correct" option to the question. The candidate has to find, for each question, the correct or the best answer.

Mathematical Sciences: The candidate is required to answer a maximum of 15, 25 and 20 questions from Part-A, Part-B and Part-C respectively. **If more than required number of questions are answered, only first 15, 25 and 20 questions in Part A, Part B and Part C respectively will be taken up for evaluation.** Below each question in Part A, Part B, four alternatives or responses are given. Only one of these alternatives is the "correct" option to the question. **The candidate has to find, for each question, the correct or the best answer. In Part C each question may have "ONE" or "MORE" correct options. Credit in a question shall be given only on identification of "ALL" the correct options in Part C.**

Physical Sciences: The candidate is required to answer a maximum of 15, 20 and 20 questions from Part-A, Part-B and Part-C respectively. **If more than required number of questions are answered, only first 15, 20 and 20 questions in Part A, Part B and Part C respectively will be taken up for evaluation.** Below each question in Part A, Part B and Part C, four alternatives or responses are given. Only one of these alternatives is the "correct" option to the question. The candidate has to find, for each question, the correct or the best answer.

Part 'A' shall be common to all subjects. This part shall contain questions pertaining to General Aptitude with emphasis on logical reasoning, graphical analysis, analytical and numerical ability, quantitative comparison, series formation, puzzles etc.

Part 'B' shall contain subject-related conventional Multiple-Choice questions (MCQs), generally covering the topics given in the syllabus.

Part 'C' shall contain higher order questions that may test the candidate's knowledge of scientific concepts and/or application of the scientific concepts. The questions shall be of analytical nature where a candidate is expected to apply scientific knowledge to arrive at the solution to the given scientific problem.

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3.3 Medium of Examination

The Paper will be bilingual i.e. Hindi and English. Candidates are required to answer in the medium as per option exercised in the Application Form. In case of any ambiguity between Hindi and English version due to translation, English version would be treated as final.

3.4 Marking Scheme of Examinations

Please refer to point no. 3.2.

3.5 Subjects of the Test

The Test will be held in the subjects mentioned below:

Subject Code	Subjects of the Test
701	Chemical Sciences
702	Earth, Atmospheric, Ocean and Planetary Sciences
703	Life Sciences and Bio-Technology (LS-BT)
704	Mathematical Sciences
705	Physical Sciences

3.6 Syllabus of the Test

Syllabus & Scheme of Examination of the MCQ Paper may be seen at CSIR HRDG website: www.csirhrdg.res.in.

3.7 The score card will be published with total percentile score and marks.

[Note: The information provided in this chapter (from point 3.1. onwards) has been received from CSIR]