

Update, Preparation and Success to Plant Breeding Aspirants in NARC

Hari Krishna Upreti
Principal Scientist (Rtd), NARC

Plant Breeding and Genetics Society of Nepal

Presentation Outline

- Introduction
- Recruitment Procedure
- PSC Recruitment Procedure
- Examination Scheme of PSC
- Model Question of PSC
- Examination Scheme of NARC
- Model Question of NARC
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Introduction

- Food crisis
- Climate change
- Yield plateau
- Human resource (Plant breeder) is vital
- Organization seeks - qualified, skillful, knowledgeable, integrity, accountable staff/employee
- Research organization needs creative and innovative HR with good moral value
- Recruitment is essential to find suitable candidate

Recruitment Procedures

- Public Service Commission (PSC) recruit as per the need of government.
- Govt. under taking and semi govt. organization have their own recruitment scheme under direct supervision of PSC
- Selection procedures
 - Written test
 - Group discussion (Open competition for new recruit)
 - Interview- Interviewer selected from roster informed on same day
 - PSC Interview Panel - PSC Member/representative-1, Expert-2 & Psychologist-1
 - NARC Interview Panel- Chairman(ED)/representative-1, PSC-1, MoALD-1, Expert-1
- Academic achievement matters
 - First Division - 5, Second Division - 2, Third Division - 0
 - First Division-10, Second Division-9, Third Division- 8
- Results announcement on same day

PSC Recruitment Procedures

- Qualify exam for all administrative posts
- Written test - from Question bank prepared in advance
- Roster of Expert for - Syllabus, question and evaluator (Copy checking, group discussion and interview).
- Separate answer sheet for each question
- Coding and decoding of answer sheet
- Copy checking in PSC office itself
- Double checking system - multiple examiner for each answer sheet

Examination Scheme of PSC

Part	Subject	Full Mark	Pass Mark	Marks and exam type	Time
	Level:Third class				
I	General Agriculture Information	50 50	20 20	25x2 MCQ 5x10 Short answer	45 min 1.5 hr
II	Technical subject (Service related)	100	40	10x10 Long answer	3.0 hr
III	Group discussion	25		Oral in group	
IV	Interview	30		Oral	
	2nd and 1st class				
I	Administration and Management General Agriculture Information	50 50	40	10x5 Short answer 5x10 Long answer	1.5 hr 1.5 hr
II	Technical subject (Service related)	100	40	4x15 Analytical review 2x20 Problem solving	3.0 hr
III	Interview	30		Oral	
Note	20% -ve marking in wrong answer in MCQ Separate answer sheet for each type of exam and long question.				

Model questions for 3rd class

1. Which one of the following crops has the highest seed rate per ha?
a. Rice b. Maize c. Wheat d. Sorghum

2. Subjective (Short answer)
 - a. Zinc deficiency in rice
 - b. Catch crop

3. Subjective long answer
 - a. Describe the importance of green manure crops. Give suggestions for its wider use by the farmers.
 - b. Explain briefly about soil solarization. How it is helpful to increase crop production.

Model questions for Under Secretary

1. How is the agriculture extension program implemented by the local body/ Government in the federal system of Nepal. Described briefly. 10
2. Explain briefly in bullet points about the role of food crops in poverty reduction. 10
3. Differentiate between growth and development of the rice plant. List the developmental stages of rice plant. What agro-techniques should be considered during different developmental stages of spring season rice for maximizing productivity?
4+4+7
4. What are the problems in technology generation and sustainability in Nepal ? Explain analytically the present policies in technology generation. What are your suggestions on policy ammendment for technology generations in the country ? 20

Examination Scheme of NARC

Part	Subject	Full Mark	Pass Mark	Marks and exam type	Time
	Technical Officer-T6				
I	Agriculture Research and Development	100	40	50x2 Multiple choice	45 min
II	Technical Subject (GPB)	100	40	8x5 Short answer 6x10 Long answer	3 hr
III	Interview	30		Oral	
	Scientist-1				
I	Agriculture Research and Development	75	30	9x5 Short answer 3x10 Long answer	2 hr
II	Technical subject (GPB)	125	50	5x15 Critical analysis 2x25 Problem solving	3.3 hr
III	Interview	30		Oral	

Examination Scheme of NARC contd...

Part	Subject	Full Mark	Pass Mark	Marks and exam type	Time
	Scientist-3				
I	Management Agriculture Research and Development	75	30	5x3 Short answer 9x5 Short answer 3x10 Long answer	2 hr
II	Technical subject (GPB)	125	50	5x15 Critical analysis 2x25 Problem solving	3.3 hr
III	Interview	30		Oral	
Note	-ve marking for MCQ Separate answer sheet for each type of exam				

Model questions Technical Officer (T6)

1. Durum wheat is a

- a. Diploid b. Triploid c. Tetraploid d. Hexaploid

2. Short answer

- a. Inbreeding depression b. Wheat sterility

3. Subjective long answer

- a) Give the name of first hybrid maize of Nepal with its parent ? Why it is not adopted by nepalese farmer ?
- b) Describe about traditional, improved, hybrid and genetically modified seed ?

Model questions for Scientist (S1)

1. Short answer

a. Heterosis b. Haploid breeding c. Least significant difference

2. What are the effects of temperature in rice production. Explain briefly the major rice growing environment of Nepal.

3. What is male sterility ? List the various types of male sterility found in plants. Discuss its relevancy in plant breeding.

4. The yield of many improved varieties of a crop in the research manage condition is very high but the same variety grown by farmers in their field, the yield is very low. What might be the reasons of low yield and how can this problem be solved ?

Model questions for S3

1. Short answer

- a. Hybrid vigor b. Mutation c. Test cross

2. a. Role of molecular genetics in plant breeding.

b. Multiline breeding and its significance.

3. Long answer (Analytical and Problem Solving)

a) Define self pollinated crops. Develop a breeding plan for introgressing blast resistance gene in the popular rice variety Khumal-4 adopting back cross breeding method. 20

b) Review the government efforts to avail the quality seed supply to the farmers. Explore the associated problems in low seed replacement rate and recommend the concrete ideas for strengthening quality seed supply. 20

Tips for success in competitive test

- Know every things about the test. Syllabus, examination procedures, etc.
- Arrange the study material
- Prepare with previous years question paper
- Stay updated with the current affairs- up to three month before
- Focus more on your weakest points
- Formulate the preparation strategy
- Understand the concept
- Highlight the important topic
- Habit of writing
- Motivation or be positive

Tips for successful interview

- Be on time and smart.
- Know the interviewer (Name, Profession) if possible.
- Greet them with smile.
- Focus on your attributes- Transferable skills, Willingness to learn, Try to describe your strength for the betterment of organization.
- Tell the truth; lies and exaggeration give **-ve** impression.
- Listen your question carefully, ask politely to repeat if not clear. Think for a while, organize your answer and reply.
- Interviewer observe your attitude, confidency, behaviour along with knowledge - manage your time, body language etc.
- SMILE - even if your answer is wrong, or if you cannot answer.
- Greet (with Thank you) before leaving interview room.

Any Queries?

