

1. Comptroller (For a term of four years) in the pay scale of Rs.37400-67000+GPRs.10000+Rs.2000/- p.m. Special Allowance and rent free accommodation.

(A)

- i) Graduate.
- ii) Must have passed S.A.S. Examination held by the Comptroller and Auditor General of India/State Finance Department or Higher Standard Departmental Examination of the PAU.
- iii) Must have 9 years experience in a supervisory capacity in financial management/administration out of which he/she must have 4 years experience of Accounts Officer/Deputy Registrar or equivalent in Govt./Public Sector preferably in a University.
- iv) Matric level certificate of Punjabi language. (If not, the candidate is required to pass the same within one year of appointment).

OR

(B)

- i) Graduate with second division and Chartered Accountant with 50% marks having 5 years experience in the field of Financial Management in Govt./Public/Private sector. In case of Private Sector, the experience should be in Private Limited company having a minimum annual turnover of Rs.50.00crore.
- ii) Matric level certificate of Punjabi language. (If not, the candidate is required to pass the same within one year of appointment).

2. **Additional Director Communication (For a term of four years) in the scale of Rs.37400-67000 +AGPRs.10,000/- p.m. plus Rs.800/- p.m. special allowance.**

Essential :

- i) Atleast second division at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- ii) Ph.D. in any branch of Agriculture/Journalism/ Mass Communication/ Journalism and Mass Communication /Languages/Social Sciences. However, candidate(s) with Master's degree in above subjects having outstanding contributions can also be considered.
- iii) 12 years' experience in the relevant field in an institution/ organization for the candidates holding Ph.D. degree. For candidate(s) with Master's degree, the experience required is 15 years. Out of the total experience, at least five years must be at Professor level or holding a senior managerial position. Administrative experience, leadership, ability and capacity to organize and supervise the work of others.
- iv) Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language). (If not, the candidate is required to pass the same within one year of appointment).

Desirable:

Substantial contribution in Agricultural Communication/ Journalism/Public Relations supported by evidence.

Job Responsibilities:

- i) To plan, organize and direct overall communication strategies and public information activities, and implement programmes for dissemination of technologies developed by the University.
- ii) To coordinate/provide logistical support in organizing local, national and international events primarily aimed at raising the visibility of the University.
- iii) To perform such other duties as entrusted from time to time.

3. **Additional Director of Extension Education (for a term of four years) in the pay scale of Rs.37400- 67000+AGPRs.10,000/-+Rs.800/- p.m. special allowance.**

Essential:

- i. B.Sc./B.Sc.(Agri)/B.Sc. (Home Science)/B.Tech./B.VSc/B.V.Sc& A.H. at least with second division.
- ii. Ph.D in any discipline of Agriculture with good academic record.
- iii. 12 years' experience in research/teaching/extension in Agriculture in college/institution out of which at least 5 years must be as Professor/equivalent. Administrative experience. Leadership, ability and capacity to organize and supervise the work of others.
- iv. Substantial contributions to extension education/research and scholarship as evidenced by the innovations in extension education/teaching/quality of papers published in professional journals of repute, adoption of results of research.
- v. Matric Level Certificate of Punjabi language. (If not, the candidate is required to pass the same within one year of appointment.

4. Nanotechnologist (Physics) in the pay scale of ₹15600-39100+AGP ₹ 6000/- p.m.

- i). B.Sc.(Non-Medical or Medical).
- ii). Master's degree in Physics.
- iii). At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.0 at Master's level.
- iv). Must have qualified National Eligibility Test (NET) in relevant discipline mentioned at serial number ii) conducted by ICAR/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Clarivate Analytics (CA) impact factor.
- v). Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language). If not, the candidate is required to pass the same within one year of appointment.

Desirable: Research work or published papers establishing expertise on development of stable nano formulation with application for pesticide or nutrient delivery.

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate having completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, and
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0 or with Clarivate Analytics (CA) impact factor.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5 or with Clarivate Analytics (CA) impact factor.

Note 3: In case of non-NAAS rated papers, Clarivate Analytics (CA) impact factor journals will be considered as NAAS rated with rating of 6+CA impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Job Responsibilities:-

- i) To undertake Teaching/Research/Extension Education activities.
- ii) To take initiative for developing research projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

5. Oilseed Breeder in the pay scale of ₹15600-39100+AGP ₹ 6000/- p.m.

- i). B.Sc.(Agriculute)/B.Sc.(Horticulture)/B.Sc(Forestry)/B.Sc.(Med)/B.Sc. Biotechnology in plant Sciences or B.Tech Biotechnology in plant sciences.
- ii). Master's degree in Plant Breeding/Plant Breeding & Genetics/Genetics (Crop Plants).
- iii). At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.0 at Master's level.
- iv). Must have qualified National Eligibility Test (NET) in any of the above mentioned disciplines at serial number ii) conducted by ICAR/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Clarivate Analytics impact factor.
- v). Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language). If not, the candidate is required to pass the same within one year of appointment.

Note 1: A candidate, who does not possess Master's degree in Plant Breeding & Genetics/Genetics (Crop Plants) but possesses Ph.D. degree in these disciplines, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, and

- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0 or with Clarivate Analytics (CA) impact factor.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5 or with Clarivate Analytics (CA) impact factor.

Note 3: In case of non-NAAS rated papers, Clarivate Analytics (CA) impact factor journals will be considered as NAAS rated with rating of 6+CA impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Note 5: The candidate should have cleared 4 years degree programme at Graduation/Bachelor's level except degree in Basic Science & Social Science disciplines.

- The candidate who have completed Bachelor degree in 3 years should have cleared their courses in relevant subjects of Bachelor's degree during their Master's degree or should have completed one year duration Hons./Bridged/special programme etc.

Note 6: The candidate who have done B.Sc. (Biotechnology) in Plant Sciences/B.Tech in Biotechnology in Plant Sciences should have cleared deficiency courses of bachelor's degree in relevant subject (s) during their master's degree or should have completed one year duration Hons./Bridged/Special programme etc.

Job Requirements:

- i) To undertake research/ teaching/extension education activities.
- ii) To take initiative for developing research projects to obtain funding.
- iii) Any other duty that may be assigned from time to time.

6. Agricultural Economist in the pay scale of ₹ 15600-39100+A.G.P₹ 6000/-

- (i) B.Sc.(Agri.)/ B.A with Economics/B.Sc. (Hons) Economics/B.Sc. Agri.(Hons)/ B.Sc. Economics/B.Sc. Hort./B.Sc (Forestry)/B.Sc. (Agri.-MaCo)/B.Com/Bachelor in Business Administration/Bachelor in Business Economics.
- (ii) Master's degree in Agricultural Economics/Economics/Business Economics.
- (iii) At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.0 at Master's level.
- iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Thomson Reuter's impact factor.
- v) Matric level certificate of Punjabi language of Punjab School Education Board or any other recognized Board (as first or second language) (if not, the candidate is required to pass the same within one year of appointment)

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate having completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, **and**
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5.

Note 3: In case of non-NAAS rated papers, Thomsan Reuters (TR) Impact factor journals will be considered as NAAS rated with rating of 6+TR impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Job Responsibilities:

- i) To undertake research/teaching/extension education activities.
- ii) To take initiative for developing research projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

7. Assistant Professor(Physics) in the pay scale of Rs 15600-39100+AGP Rs 6000/- p.m.

- i) Bachelor's Degree with Physics.
- ii) Master's Degree in Physics.
- iii) At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating with Clarivate Analytics Impact factor.
- v) Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language) (if not, the candidate is required to pass the same within one year of appointment).

Desirable Specialization in Experimental Physics.

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate completed Ph.D without course work from among 500 top ranked Universities of the world shall be exempted from NET, **and**
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0 or with Clarivate Analytics (CA) Impact Factor

OR

The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5 or with Clarivate Analytics (CA) Impact Factor

Note 3: In case of non-NAAS rated papers Clarivate Analytics (CA) Impact Factor journals will be considered as NAAS rated with rating of 6+ CA impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Job Requirements:

- i) To undertake teaching/research/extension education activities
- ii) To take initiative for developing research projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

8. Assistant Professor (Computer Science &Engineering) in the pay scale of ₹15600-39100+AGP ₹ 6000/- p.m.

- i) B.Tech/B.E in Computer Science & Engineering /Information Technology /Computer Engineering /Computer Engineering and Application /Computer Networking /Computer Science and Information Technology /Computer Science and Technology /Computer Technology /Information Engineering /Information Science and Engineering /Information Science and Technology /Information Technology and Engineering
- ii) M.Tech /M.E. in Computer Engineering /Computer Science and Engineering /Information Technology /Computer Engineering and Application /Computer Engineering and Networking /Computer Hardware and Networking /Computer Network Engineering/Computer Networking /Computer Networks /Computer Networks and Information Security /Computer Networks and Internet Security /Computer Science and Information Security /Computer Science and Information Technology /Computer Science and Technology /Computer Technology /Computer Technology and Applications /Computer Vision and Image Processing /Information Engineering /Information Science and Technology /Information Security /Information Technology and Engineering.
- iii) Atleast 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Clarivate Analytics Impact factor.
- v) Matric level certificate of Punjabi language from Punjab School Education Board (as first or second language) (if not, the candidate is required to pass the same within one year of appointment).

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate completed Ph.D without course work from among 500 top ranked Universities of the world shall be exempted from NET, **and**
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0 or with Clarivate Analytics Impact Factor

OR

The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5 or with Clarivate Analytics Impact Factor.

Note 3: In case of non-NAAS rated papers Clarivate Analytics (CA) Impact Factor journals will be considered as NAAS rated with rating of 6+ CA impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Note 5: The condition of having qualified National Eligibility Test (NET) at Sr. No. (iv) will be relax-able in the subject of Computer Science & Engineering, Information Technology and related subjects.

Job Requirements:

- i) To undertake teaching/research/extension education activities
- ii) To take initiative for developing research projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

9. **Scientist (Seed Production) (at outstation) in the pay scale of Rs. 15600-39100+AGP Rs. 6000/- p.m.**

- (i) B.Sc.(Agri.)/B.Sc. (Hons)/B.Sc. (Hort.)/ B.Sc. (Forestry)/B.Sc. (Biotechnology)/ B.Sc. Biotechnology in plant science or B.Tech. in plant sciences.
- (ii) Master's degree in Plant Breeding/Vegetable Crops/Agronomy/**Seed Science & Technology.**
- (iii) At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- (iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Thomson Reuter's impact factor.
- (v) Matric level certificate of Punjabi language of Punjab School Education Board or any other recognized Board (as first or second language) (if not, the candidate is required to pass the same within one year of appointment).

Note 1:A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2:The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET, provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

the candidate having completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, and

- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0.

OR

- The candidate has minimum 3 research paper, each with at least 4.5 NAAS rating.

Note3: In case of non NAAS rated paper, Thomson Reuter (TR) impact factor journals will be considered as NAAS rated with rating of 6+TR impact factor.

Note4: Only those research paper will be considered that have been published or accepted for publications by the last date of submission of application.

Note5: The candidate should have cleared 4 years degree programme at Graduation/Bachelor's level except degree in Basic Science & Social Science disciplines.

- The candidate who have completed Bachelor degree in 3 years should have cleared their deficiency courses in relevant subjects of Bachelor's degree during their Master's degree or should have completed one year duration Hons./Bridged/special programme etc.

Note 6:The candidate who have done B.Sc. (Biotechnology) in Plant Sciences/B.Tech in Biotechnology in Plant Sciences should have cleared deficiency courses of bachelor's degree in relevant subject (s) during their master's degree or should have completed one year duration Hons./Bridged/Special programme etc.

Job Responsibilities:

- i) To undertake research/teaching/extension education activities.
- ii) To take initiative for developing research projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

10. Vegetable Scientist (at outstation) in the pay scale of ₹ 15600-39100+AGP ₹ 6000/- p.m.

- i). B.Sc. (Agri.)/B.Sc. (Hort.)/B.Sc. (Forestry)/B.Sc.(Med)/B.Sc. Biotechnology in Plant Sciences or B.Tech Biotechnology in Plant Sciences.
- ii). M.Sc. in Olericulture/Vegetable Crops/Horticulture(Vegetable Science).
- iii). At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- iv). Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Clarivate Analytics (CA) impact factor.
- v). Matric level certificate of Punjabi language of Punjab School Education Board or any other recognized Board (as first or second language) (if not, the candidate is required to pass the same within one year of appointment).

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, and
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5.

Note 3: In case of non-NAAS rated papers, Clarivate Analytics (CA) impact factor journals will be considered as NAAS rated with rating of 6+TR impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Note 5: The candidate should have cleared 4 years degree programme at Graduation/Bachelor's level except degree in Basic Science & Social Science Disciplines.

- The candidates who have completed Bachelor degree in 3 years should have cleared their deficiency courses in relevant subjects Bachelor's degree during their Master's degree or should have completed one year duration Hons./Bridged/special programme etc.

Note 6: The candidate who have done B.Sc. (Biotechnology) in Plant Sciences/B.Tech in Biotechnology in Plant Sciences should have cleared deficiency courses of bachelor's degree in relevant subject (s) during their master's degree or should have completed one year duration Hons./Bridged/Special programme etc.

Job Requirements:

- i) To undertake research/teaching/extension education activities.
- ii) To take initiative for developing research projects to obtain funding.
- iii) Any other duty that may be assigned from time to time.

11. Assistant Professor (Home Science) (at outstation) in the pay scale of Rs.15600-39100+AGP of Rs.6000/-.

- i) B.Sc. (Home Science)
- ii) Master's degree in any discipline of Home Science
- iii) At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Thomson Reuter's impact factor.
- v) Must have passed Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language).

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, and
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5.

Note 3: In case of non NAAS rated papers, Thomson Reuters (TR) impact factor journals will be considered as NAAS rated with rating of 6+TR impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Note 5: The candidate should have cleared 4 years degree programme at Graduation/Bachelor Level.

- The candidates who have completed Bachelor degree in 3 years should have cleared their deficiency courses in relevant subjects Bachelor's degree during their Master's degree or should have completed one year duration Hons./Bridged/special programme etc.

Job Responsibilities:

- i) To undertake Extension Education/Research/Teaching activities.
- ii) To take initiative for developing projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

The appointment to this post shall be co-terminus with the scheme, in which the posts are provided.

12. Assistant Professor of Plant Protection (Entomology) (at outstation) in the pay scale of Rs.15600-39100+AGP of Rs.6000/-.

- i) B.Sc. (Agri.)/B.Sc(Hort.)/B.Sc(Froestry)/B.Sc(Med)/B.Sc(Hons)/ B.Sc. Biotechnology/B.Sc Biotechnology in Plant Sciences or B.Tech Biotechnology in Plant Sciences.
- ii) Master's degree in Entomology.
- iii) At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.00 at Master's level.
- iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/CSIR along with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with at least 4.5 NAAS rating or with Clarivate Analytics (CA) impact factor.
- v) Must have passed Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language).

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, and
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5.

Note 3: In case of non NAAS rated papers, Thomson Reuters (TR) impact factor journals will be considered as NAAS rated with rating of 6+TR impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Note 5: The candidate should have cleared 4 years degree programme at Graduation/Bachelor Level except degree in Basic Science & Social Science Disciplines.

- The candidates who have completed Bachelor degree in 3 years should have cleared their deficiency courses in relevant subjects Bachelor's degree during their Master's degree or should have completed one year duration Hons./Bridged/special programme etc.

Note 6: The candidate who have done B.Sc. (Biotechnology) in Plant Sciences/B.Tech in Biotechnology in Plant Sciences should have cleared deficiency courses of bachelor's degree in relevant subject (s) during their master's degree or should have completed one year duration Hons./Bridged/Special programme etc.

Job Responsibilities:

- i) To undertake Extension Education/Research/Teaching activities.
- ii) To take initiative for developing projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

The appointment to this post shall be co-terminus with the scheme, in which the posts are provided.

13. District Extension Specialist (Agronomy) (at outstation) in the pay scale of Rs. 15600-39100+AGP Rs.6000/-.

- i). B.Sc (Agri.)/B.Sc.(Hort.)/B.Sc.(Forestry)/B.Sc/B.Sc. Biotechnology in Plant Sciences or B.Tech Biotechnology in Plant Sciences.
- ii) Master's degree in Agronomy.
- iii) At least 60% marks at Bachelor's level and 65% marks or OCPA of 6.50 out of 10.0 at Master's level.
- iv) Must have qualified National Eligibility Test (NET) in the relevant discipline conducted by ASRB/UGC/ CSIR with one publication in NAAS (National Academy of Agricultural Sciences, New Delhi) rated refereed journal and equivalent with atleast 4.5 NAAS rating or Thomsan Reuters Impact Factor.
- v) Must have passed Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board (as first or second language).

Note 1: A candidate, who does not possess Master's degree in the relevant subject but possesses Ph.D. degree in the discipline required at Master's level, shall be eligible for the post.

Note 2: The candidate holding Doctorate degree in the relevant subject required at Master's level shall be exempted from passing NET provided, it has been done with course work as prescribed by the UGC regulations 2009

OR

- The candidate having completed Ph.D without course work from among 500 top ranking foreign Universities of the world shall be exempted from NET, **and**
- The candidate has minimum 2 research publications having cumulative NAAS rating not less than 10.0.

OR

- The candidate has minimum 3 research papers, each with at least NAAS rating of 4.5.

Note 3: In case of non-NAAS rated papers, Thomsan Reuters (TR) Impact factor journals will be considered as NAAS rated with rating of 6+TR impact factor.

Note 4: Only those research papers will be considered that have been published or accepted for publications by the last date of submission of application.

Note 5: - The candidate should have cleared 4 years degree programme at Graduation/Bachelor's level except degree in Basic Science & Social Science Disciplines.

- The candidate who have completed Bachelor degree in 3 years should have cleared their deficiency courses in relevant subjects of Bachelor's degree during their Master's degree or should have completed one year duration Hons./Bridged/special programme etc.

Note 6: The candidate who have done B.Sc. (Biotechnology) in Plant Sciences/B.Tech in Biotechnology in Plant Sciences should have cleared deficiency courses of bachelor's degree in relevant subject (s) during their master's degree or should have completed one year duration Hons./Bridged/Special programme etc.

Job Responsibilities:

- i) To undertake extension / teaching/research activities.
- ii) To take initiatives for developing research projects and to obtain funding.
- iii) Any other duty that may be assigned from time to time.

14. Accounts Officer in the scale of Rs.15600-39100+GPRs.7600/- with initial start of Rs.31320/-.

Essential:

- i) Atleast second class Graduate or an M.A. or equivalent of a recognized University.
- ii) Must have passed SAS Examination held by the Comptroller and Auditor General of India/ State Finance Department OR Higher Standard Departmental Examination conducted by the PAU.
- iii) Must have served in supervisory capacity not below the rank of Superintendent Grade-I (Rs.7220-11660 unrevised scale) (Rs. 10300-34800 and Grade Pay of Rs.5000/- with initial start of Rs.18450/- revised scale and further revised to Rs.15600-39100 plus GP of Rs. 5400/- with initial start of Rs.21000/-) on regular basis for a period of four years out of which he must have two years experience of financial management/administration in the capacity of Asstt. Accounts Officer/Asstt. Registrar or equivalent in a Govt. office or educational institution preferably in a University with good record of service.
- iv) Must have passed Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board/ Agency (as first or second language).

15. **Admn-cum-Accounts Officer in the scale of Rs. 15600-39100 + GP Rs.5400/- with initial start of Rs.21000/-.**

Essential:

- i) Atleast Graduate.
- ii) Must have passed SAS Examination or Higher Standard Departmental Examination conducted by PAU for its own employees.
- iii) Must have served in supervisory capacity not below the rank of Superintendent Grade-I (Rs.7220-11660 unrevised scale) (Rs.10300-34800 and Grade Pay of Rs.5000/- with initial start of Rs.18450/- revised scale and further revised to Rs.15600-39100 +Rs.5400/- grade pay with initial start of Rs.21000/-) on regular basis for a period of two years in a Govt. office or educational institution preferably in a University with good record of service.
- iv) Must have passed Matric level certificate of Punjabi language from Punjab School Education Board or any other recognized Board/ Agency (as first or second language).

Desirable: Experience of Administrative, budgetary and accounts work.

16. Programme Assistant (Lab. Technician) in the scale of Rs.9300-34800 + Rs.4200/- Grade Pay (3 posts reserved for SC category and 1 for Visually Handicapped category).

Qualifications:

- i) B.Sc. Agri. (Hons.) from the recognized University.
- ii) Knowledge of Punjabi up to Matric Standard.
- iii) Age not less than 18 years and not more than 37 years.

Selection Criteria:

1. Written/ Skill/ Practical test	50 %
2. Academic (qualifying exam)	30 %
3. Higher qualification	10 %
4. Experience	10 %
Total	100 %

Note: 1. Written test for the post of Programme Assistant (Lab. Technician) is as under:

- (I) Technical (related to the post): 25 marks
- (II) Arithmetic & mental ability: 15 marks
- (III) English: 10 marks
- (IV) The minimum qualifying marks for candidates to become eligible shall be 40 % of total marks in the written test irrespective of the category. 01 mark will be awarded for each correct answer and $\frac{1}{4}$ th mark will be deducted for every wrong answer.

Note: 2. $\frac{1}{2}$ mark for each completed half year of technical experience in relevant field will be awarded over and above the minimum required experience, if any.

Note: 3. Percentage of marks in eligibility qualifications multiplied by 0.30 and higher qualification multiplied by 0.10.

4. Age relaxation as per Punjab Govt. rules. However, the relaxation in age up to 45 years for the candidates who have been engaged in the PAU on contract basis. The relaxation in age will be equivalent to the period for which the candidate has served PAU/Govt. Organization/Boards/Corporations on contract basis.

5. The post is non-promotional and incumbent of the post will be inter-transferable only within KrishiVigyanKendras of the State of Punjab.

6. The pay of the incumbent shall be regulated in terms of the Punjab Govt. circular No.7/204/2012-4FPI/66 dated 15-1-2015.

Subject : Proposed syllabus for the post of Program Assistant (Lab Technician) in the pay scale of Rs. 9300-34800+4200 GP

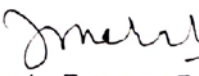
Posts of Program Assistant (Lab Technician) are required to be filled up at different KVK's of the University. Lab technician works for testing of soil and water samples of KVK farm, FLDs, OFTs and samples received from the farmers. Lab technician maintains lab equipments of soil and water testing laboratory and agro meteorology station of KVK. Therefore the syllabus to assess the knowledge of prospective candidates should include the following:

- Principles of crop production. Improved varieties and cultural practices of important *rabi* and *kharif* crops of Punjab. Farming systems, cropping systems and sustainable agriculture. Crop weeds competition. Weed management in important field crops. Criteria of scheduling irrigation, irrigation methods, water management in important *Kharif* and *Rabi* crops. Weather, climate and agriculture. Effects of climatic factors on crop growth and development.
- General morphology and anatomy of insects. Concept of economic threshold. Integrated Pest Management and tools of IPM. Diagnosis and control of insect-pests of major agricultural crops.
- Methods of plant disease management. Field diagnosis and control of important diseases of *Rabi* and *Kharif* crops, vegetables and fruits.
- Soils of Punjab and India. Problematic soils and their amelioration. Plant nutrients - functions, deficiency systems, transformation and availability. Soil fertility evaluation and maintenance. Soil testing - principles in the determination of macro and micro nutrients in soils.
- Breeding methods in self-pollinated, cross pollinated and vegetatively propagated crops. Plant Breeders' Rights. Principles of field plot techniques.
- Role of information and communication technology in agriculture and rural development.
- Agricultural marketing and Credit

Test structure for written test for the Post of Program Assistant (Lab Tech.)

1. The written test will be of Multiple Choice Type Questions (MCQs) and the questions for the written test will be in English language
2. The written test will be conducted on the OMR sheet.
3. There will be 100 multiple choice questions from the syllabus related to the post sent by DEE.
4. Time allowed for the test will be 1^{1/2} hours
5. The minimum qualifying marks for candidates to become eligible shall be 50 % of the total marks of the written test irrespective of the category. One mark will be awarded for each correct answer and 1/4th mark will be deducted for every wrong answer.

BSK 8/7/20


Director Extension Education
Punjab Agriculture University
LUDHIANA-141004

17. **Farm Manager in the scale of Rs.9300-34800 + Rs.4200/- Grade Pay (Reserved for visually handicapped category).**

Qualifications:

- i) B.Sc. Agri. (Hons.) from the recognized University.
- ii) Knowledge of Punjabi up to Matric Standard.
- iii) Age not less than 18 years and not more than 37 years.

Selection Criteria:

1. Written/ Skill/ Practical test	50 %
2. Academic (qualifying exam)	30 %
3. Higher qualification	10 %
4. Experience	10 %
Total	100 %

Note: 1. **Written test for the post of Farm Manager is as under:**

- (I) Technical (related to the post): 25 marks
- (II) Arithmetic & mental ability: 15 marks
- (III) English: 10 marks
- (IV) The minimum qualifying marks for candidates to become eligible shall be 40 % of total marks in the written test irrespective of the category. 01 mark will be awarded for each correct answer and $\frac{1}{4}$ th mark will be deducted for every wrong answer.

Note: 2. $\frac{1}{2}$ mark for each completed half year of technical experience in relevant field will be awarded over and above the minimum required experience, if any.

Note: 3. Percentage of marks in eligibility qualifications multiplied by 0.30 and higher qualification multiplied by 0.10.

4. Age relaxation as per Punjab Govt. rules. However, the relaxation in age up to 45 years for the candidates who have been engaged in the PAU on contract basis. The relaxation in age will be equivalent to the period for which the candidate has served PAU/Govt. Organization/Boards/Corporations on contract basis.

5. The post is non-promotional and incumbent of the post will be inter-transferable only within KrishiVigyanKendras of the State of Punjab.

6. The pay of the incumbent shall be regulated in terms of the Punjab Govt. circular No.7/204/2012-4FPI/66 dated 15-1-2015.

Subject: Revised proposed syllabus for the post of Farm Manager (pay scale Rs. 9300-34800 + Rs 4200/- GP) for conduct of written test

Posts of farm managers are required to be filled up at different seed farms and research stations of the university. A farm manager has to direct and coordinate worker activities such as planting of seed crop and experiments, irrigation, chemical application, harvesting, grading, upkeep & maintenance of machinery, generating pay roll and record keeping. He should be well conversant with the raising of crops, management of pests diseases, have knowledge of maintaining seed plots and seed standards. He should also have good organizational & time management skills and should have basic computer skills.

A proposed syllabus to assess the knowledge of prospective candidates should include the following:-

1. Agronomic practices and management of pest & diseases of crops like wheat, paddy, maize, cotton, pulses (moong, pigeon pea, lentil), oilseeds (brassica, sunflower), forages (berseem, oat), vegetables (potato, pea, chilli, tomato) and propagation of fruits (kinnow, guava, mango, pear, litchi).
2. Basic of seed production practices: Mating systems in different crops, isolation distances, class of seeds, techniques of hybrid seed production, maintaining purity of seed crop, seed storage and control of storage pests etc.
3. Basic maintenance of farm machinery.
4. Raising and maintenance of livestock.

18/4/18

Dr. *[Signature]*
18.4.18

Attested
[Signature]
Superintendent
Director Extension Education
PAU, Ludhiana

18. Computer Operator in the scale of Rs.10300-34800 + Rs.3200/- Grade Pay

Qualifications:

- i) Graduate in Computer Science/ Information Technology/Computer Application (minimum 60%) or equivalent.
OR
Master's in Information Technology / Computer Applications (minimum 60%) or equivalent.
- ii) Must have passed Matriculation examination with Punjabi language.

Selection Criteria:

1. Skill/Written/Practical Test (Minimum requirement of 40 %)	85 %
2. Eligibility qualifications (Percentage of marks in eligibility degree divided by 10)	10 %
3. Experience(0.5 marks per six months of experience)	5 %
Total	100 %

- Note:**
1. Aget less than 18 years and not more than 37 years.
 2. Age relaxation and reservation shall be applicable as per Punjab Govt. rules.The relaxation in age up to 45 years for the candidates who have been engaged in the PAU on contract basis. The relaxation in age will be equivalent to the period for which the candidate has served PAU/Govt. Organization/Boards/Corporations on contract basis.
 3. The pay of the incumbent shall be regulated in terms of the Punjab Govt. circular No.7/204/2012-4FPI/66 dated 15-1-2015.

Proposed Syllabus for the Post of Computer Operator

Note:

1. Each sub-section carries equal weightage where ever applicable.
2. Paper format will be Multiple Choice Questions (MCQ), Fill up the statement and Match the statement.
3. Total number of questions will be 200 and Time Duration will be 3 hours.

Topics to be covered

Word Processing (25%)

Word processing, features of word-processing packages. Creating, editing, formatting and saving a document in a word Processing Software, inserting headers/footers and tables, using Insert menu options, using tools like Macro, Mail Merge, Spelling, Grammar and track changes.

Spreadsheet (25%)

Electronic spreadsheet concepts, creating, editing and saving a spreadsheet, using basic in-built statistical and other functions and writing expressions, use of data analysis tools, correlation and regression, t-test for two-samples with one-way classification, creating graphs.

Presentation (10%)

Creating and running presentations in presentation software.

C/C++ Programming (20%)

Data types in C, constants and variables, arithmetic expressions, assignment statement, logical expression. Sequencing, alteration and iteration, arrays, string processing. Sub-programs, recursion, pointers and files. Classes in C++, objects, member functions, accessing a member, array of class objects, classes within classes, function overloading, constructor overloading, virtual class, pure virtual class, dynamic binding, polymorphism, virtual classes, inheritance, class hierarchies, relationships, inheritance and dynamic binding, single level inheritance, multiple inheritance, multilevel inheritance

Databases (20%)

Concept of databases, creating database, primary key, query, creating simple forms and reports in the database component of the office packages

amc
20/3/17

amc

amc
20/3/17

(Dr. O P Gupta)

(Dr. Deepinder Singh)

(Dr. Lakshmi Devi)

19. Patwari in the scale of Rs.5910-20200 + Rs.1900/- Grade Pay.

Qualifications:

1. Bachelor degree in any stream from recognized University with Punjabi up to Matric level.
2. One year Diploma in Computer Application.
3. Age limit from 18 years to 37 years. For in-service candidate upper age limit is 45 years.

Note: Preference will be given to those applicants having experience and knowledge of maintaining & handling of revenue record such as Jamabandi/Fard/Mutation and measurement of land etc.

Selection Criteria:

1. Written/ Skill/ Practical test	50 %
2. Academic (qualifying exam)	30 %
3. Higher qualification	10 %
4. Experience	10 %
Total	100 %

Note: (i). Written test for the post of Patwari is as under:

	Subject	Maximum questions
1	General Knowledge:	15
2	Mental ability:	20
3	Arithmetic Skills	
	(i) Mensuration	15
	(ii) Accounts	10
4	English Language	5
5	Punjabi Language	5
6	Computers/Information Technology	15
7	Agriculture	10
8	Punjab History and Culture	5
	Total	100

Syllabus:

Mental Ability	Arithmetic Skills	English Language	Punjabi GK& Culture
Coding	Mensuration	Synonyms & Antonyms	Current issue of Punjab
Series	Profit & Loss	Translation	Punjab Culture
Analogy	HCF	Fillers	Punjab History
Blood Relation	Simple Interest & Compound Interest	Modal Fillers	Punjab Geography
Distance	Ratio	Change the Tense	
Sitting Puzzle	Train, Distance	Choose correct determiner	
Calendar	Number Systems	Narration	
Figures	Simplification	Misspelt	
Classification	Surds & Indices	Active-Passive	
	Accounts	Idioms	
		One word Substitution	
		Mark correct sentence	

- (II) The minimum qualifying marks for candidates to become eligible shall be 40 % of total marks in the written test irrespective of the category. 01 mark will be awarded for each correct answer and $\frac{1}{4}$ th mark will be deducted for every wrong answer.
- (III) $\frac{1}{2}$ mark for each completed half year of technical experience in relevant field will be awarded over and above the minimum required experience, if any.
- (V) Percentage of marks in eligibility qualifications multiplied by 0.30 and higher qualification multiplied by 0.10.

- Note:**
1. Age relaxation and reservation shall be applicable as per Punjab Govt. rules. The relaxation in age up to 45 years for the candidates who have been engaged in the PAU on contract basis. The relaxation in age will be equivalent to the period for which the candidate has served PAU/Govt. Organization/Boards/Corporations on contract basis.
 2. The pay of the incumbent shall be regulated in terms of the Punjab Govt. circular No.7/204/2012-4FPI/66 dated 15-1-2015.

20. Carpenter in the scale of Rs.5910-20200 + Rs.1900/- Grade Pay.

Qualifications:

10+2 with 2 years diploma certificate from ITI or other recognized Institution in the trade of Carpenter with **four** years experience in Carpentry job with knowledge of Punjabi up to Matric level.

OR

Matric with 2 years Diploma certificate from ITI or other recognized Institution in the trade of Carpenter with **six** years experience in the field of Carpentry job with knowledge of Punjabi up to Matric level.

OR

Matric with eight years experience in the field of Carpentry job in reputed organization with knowledge of Punjabi up to Matric level.

Age: 18 to 37 years.

Selection Criteria:

1. Written/ Skill/ Practical test	50 %
2. Academic (qualifying exam)	30 %
3. Higher qualification	10 %
4. Experience	10 %
Total	100 %

Note:1. Experience of working in Board/Corporation/University/Corporate Sector/ Listed Companies/ Govt. or Semi-Govt. or Semi-Govt. Organizations for the post of Carpenter will only be considered.

Note: 2. Written test for the post of Carpenter is as under:

- (I) Technical (related to the post): 15 marks
- (II) The minimum qualifying marks for candidates to become eligible shall be 40 % of total marks of the written test irrespective of the category. 01 mark will be awarded for each correct answer and $\frac{1}{4}$ th mark will be deducted for every wrong answer.

Note: 3. Practical test for the post of Carpenter will be as under:

- (I) Practical test: 35 marks
- (II) Only those candidates who qualify the written test shall be eligible for appearing in the practical test and qualify percentage of the practical test will be 40 %.

Note: 4. $\frac{1}{2}$ mark for each completed half year of technical experience in relevant field will be awarded over and above the minimum required experience, if any will be awarded.

- 5. To calculate score in case of qualifying exam and higher qualifications, the percentage of marks obtained by the candidate shall be multiplied by 0.30 and 0.10 respectively.

Note: 6. Age relaxation as per Punjab Govt. rules. However, the relaxation in age up to 45 years for the candidates who have been engaged in the PAU on contract basis. The relaxation in age will be equivalent to the period for which the candidate has served PAU/Govt. Organization/Boards/Corporations on contract basis.

- 7. The pay of the incumbent shall be regulated in terms of the Punjab Govt. circular No.7/204/2012-4FPI/66 dated 15-1-2015.

The proposed syllabus for the post of Carpenter in the pay scale of Rs 5910-20200 +Rs 1900 GP is appended below.

Theory

Safety precautions: General safety – Personal safety habit, workshop safety habit, hand tools safety, machine, etc.

BIS for carpenter Metal used for tools.

Classification of hand tools in carpentry shop

Workshop appliances – Work benches, bench stop, bench hook, mitre board, mitre box, shooting board, hold fast, etc.

Marking, measuring & testing tools- description, types, sizes, uses etc.

Saws and the Planes: Bench saws & curve cutting saws –description, types, sizes, uses etc.

Saw sharpening for Cross cutting saws & Rip saws.

Different plane: Bench planes- description, types, sizes, uses etc. Curve cutting planes- description, types, sizes, uses etc

Special purpose planes-description, types, sizes, uses etc.

Sharpening of plane cutters. Botanical classification of timber tree, growth of timber, The parts of timber tree seen from cross section Timber identification.

Properties of timber – physical & mechanical

Seasoning of timber: Seasoning of timber-Natural seasoning, artificial seasoning - description, types etc. Advantages & disadvantages of seasoning Conversion of timber & conversion method.

Drill bits, handled anger, gimlet, bradawl- description, sizes and uses.

Hand drill machine, breast drill machine, ratchet brace- description, sizes, uses etc.

Files and rasps-used in carpentry section- Description, types, sizes, uses etc

Defects in timber- Growth defects, grain defects, seasoning defects, other defects like decay, insect etc.

Wood working joints : Classification of joints used in carpentry Framing joint-half lap joint, mortise and tenon joints, bridle joint-Description, types, uses etc.

Angle joints- Description, types and uses.

Types of dowels

Trade sizes and market forms of timber Manufacturing terms

Widening joints : Widening joint- Simple butt, dowelled butt, rebated, tongued, pocket screwed, tongued and grooved, slot screwed- description, uses etc.

Lengthening joints- Lengthening joints- description, types, uses etc.

Calculation of timber- Log form, plank form (in cubic feet, cubic centimeter and cubic meter).

Striking tools: Striking tools-hammers, mallets used in carpentry- Description, types, sizes and uses.

Impelling tools - Impelling tools-Punches, screw drivers used in carpentry -description, types, sizes, uses etc.

Miscellaneous tools - Miscellaneous tools like-pincer, cutting pliers, crowbar etc-description, sizes and uses.

Nails- Description, types, sizes, uses etc

Wood screws- Description, types, sizes, uses etc.

Wood adhesives- Description, types, uses etc. Conversion of timber. Definition, types, applications

Fiber board -Solid core stock board- Description, types, sizes, uses etc Manufacturing of solid core stock board

Fiber board- (1) Hard board, (2) Medium density fiber board (MDF), (3) insulated board- Description, sizes, uses etc. Manufacture of fiber board.

Decorated laminated plastics- Description, types, sizes. Manufacturing of decorated laminated plastics

Veneers and Ply Wood : Veneers- Advantages of veneered construction, types of veneers, Manufacturing of veneers.

Plywood- description, types, sizes, uses of plywood, Manufacturing of plywood. Classification and grading of plywood, Properties of plywood i.e. advantages over solid wood

Handwritten signature

Handwritten signature

Practical

Sawing : Using saws and special saws – hand saw, bow saw, key hole saw, (Ripping, cross cutting, curve cutting, oblique sawing) Sharpening and setting of different types of saws.

Hand Tools and portable power tools - curve cutting saws. Sharpening and setting of saws.

Portable circular saw and its uses. Portable circular saw and its uses.

Planing using planes and special planes – jackplane, block plane, rebate plane, plough plane, compass plane (planing face side, face edge, face end, rebate, groove, concave, convex)

Grinding and sharpening of cutters- plane cutter, cutter for rebate planes, molding planes, plough plane.

Chiseling Practice And multiple chiseling practice: Chiseling along the grains, across the grains ,vertical, horizontal, mortise by using Firmer, bevel edged, paring, mortise chisel etc.

Curve chiseling (convex and concave) by using firmer gouge and scribing gouge.(concave, inner diameter (circle) Grinding of chisel and gouge. Sharpening and honing of chisel and gouge.

Application of boring tools: Using boring tools- Hand drilling machine, Drill bit, counter sink bit, expansion bit (making hole in wood and thin wood, counter boring, countersink boring, etc.

Joints:- Demonstration and making framing joints :- Making framing joints : Half lap, mortise & tennon, bridle joints etc. Making angle joints: Housing, simple butt, shoulder butt joints dovetail joints, etc. Making wooden dowel for joints.

Making Widening joints: Making widening joints: Butt, dowelled, tongue and groove, rebate joints etc. lengthening joints : Making lengthening joints : Table scarf, bevel scarf joints etc. Method of timber stacking for seasoning. Prepare a bill of material for different jobs, estimation and costing

Fixing of Metal Fittings in jobs: Fitting of hinges, locks, handles, fasteners, tower bolts, casters, hasp and staple, door rings, all drops etc. Using screws, making holes using hand drilling machine, screwing with screwdriver set.

Application of laminated sheets, Application of block boards, Application of sun mica sheets.

Application of plywood and veneers: Application of plywood and veneer ply over table shelves etc.

Using carving hand tools.: Using carving hand tools. Carving of simple figures. (leaves, flowers etc.) Carving simple figures in different woods

3 of 3

R.S.G.
13/3/2020
Dr. R. S. G. K.

R.S.G.
13/3/2020
Dr. R. S. G. K.

