INTERVIEW SCHEDULE

“A critical study of Functioning of Krishi Vigyan Kendra, Basti and its impact on adoption of Agricultural Technology”.

1. Interview schedule No: .......................................................... Date: ........................................
2. Name of the respondent.............................................................. ........................................
3. Father’s name...........................................................................
4. Types of respondent................................................................. 5. Enterprise...........................................
6. Village........................................................................................ 7. Block.............................................
8. Tehsil.......................................................................................... ........................................
9. District......................................................................................... Pin code...........................................
10. State............................................................................................ ........................................

Part – I

Socio-economic and Psychological profile of trainee:

1. Age

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Young</td>
<td>Up to 30</td>
<td>1</td>
</tr>
<tr>
<td>Middle</td>
<td>30-50</td>
<td>2</td>
</tr>
<tr>
<td>Old</td>
<td>Above 50</td>
<td>3</td>
</tr>
</tbody>
</table>

2. Caste:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>OBC</td>
<td>SC &amp; ST</td>
</tr>
<tr>
<td></td>
<td>(3)</td>
<td>(2)</td>
</tr>
</tbody>
</table>

3. Education:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Items</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Illiterate or no formal education</td>
<td>0</td>
</tr>
<tr>
<td>2.</td>
<td>Up to primary level of education</td>
<td>1</td>
</tr>
<tr>
<td>3.</td>
<td>Eight or middle standard</td>
<td>2</td>
</tr>
<tr>
<td>4.</td>
<td>High School</td>
<td>3</td>
</tr>
<tr>
<td>5.</td>
<td>Intermediate</td>
<td>4</td>
</tr>
<tr>
<td>6.</td>
<td>Graduation</td>
<td>5</td>
</tr>
<tr>
<td>7.</td>
<td>Post Graduation &amp; Ph.D.</td>
<td>6</td>
</tr>
</tbody>
</table>
4. Occupation:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Items</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Labour work</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Caste occupation</td>
<td>2</td>
</tr>
<tr>
<td>3.</td>
<td>Business</td>
<td>3</td>
</tr>
<tr>
<td>4.</td>
<td>Agriculture cultivation</td>
<td>4</td>
</tr>
<tr>
<td>5.</td>
<td>Service</td>
<td>5</td>
</tr>
<tr>
<td>6.</td>
<td>Any other</td>
<td></td>
</tr>
</tbody>
</table>

5. Family composition:

Type of family -  
(i) Single-(01)  
(ii) Joint-(02)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Relation to respondent</th>
<th>Education</th>
<th>Sex</th>
<th>Occupation</th>
<th>Main</th>
<th>Subsidiary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>3.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Annual Income:

<table>
<thead>
<tr>
<th>Farming</th>
<th>Business</th>
<th>Service</th>
<th>Wages</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crop</td>
<td>Animal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Regular</td>
<td>Casual</td>
<td></td>
</tr>
</tbody>
</table>

7. Housing pattern:

(a) Number:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>01</td>
</tr>
<tr>
<td>Two</td>
<td>02</td>
</tr>
<tr>
<td>Three</td>
<td>03</td>
</tr>
</tbody>
</table>

(b) Type of house:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Kachcha</td>
<td>01</td>
</tr>
<tr>
<td>Mixed</td>
<td>02</td>
</tr>
<tr>
<td>Pucca</td>
<td>03</td>
</tr>
</tbody>
</table>
8. Operational land holding:

(i) Total land ........................................... (In hectare)
(ii) Cultivated land ..................................... (In hectare)
(iii) Irrigated land ...................................... (In hectare)
(iv) Un irrigated land ................................. (In hectare)

9. Irrigation:

(i) Do you have any irrigation facility? Yes/No
(ii) If yes, indicate the source of irrigation against the area irrigated. Fully/Partially

<table>
<thead>
<tr>
<th>Crop</th>
<th>Fully irrigated</th>
<th>Partially irrigated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>Source of irrigation</td>
<td>Area</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(iii) What source of irrigation do you have your own?

<table>
<thead>
<tr>
<th>Source</th>
<th>Number</th>
<th>Area command</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Own land</td>
</tr>
<tr>
<td>Open well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kachcha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Open well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pucca</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tube-well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electric</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diesel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
iv) Do you face any problem with regard to irrigation? Yes/No
If yes, please specify the problems:
1.
2.
3.

10. Herd size (Livestock):

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Type of animals</th>
<th>No.</th>
<th>In milk</th>
<th>Dry</th>
<th>Young</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Buffalo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Cow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Bullock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Goat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Sheep</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Any other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. Social participation

How are you associated with the following organization:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of the organization</th>
<th>Member</th>
<th>Office-bearer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Present</td>
<td>Past</td>
</tr>
<tr>
<td>1.</td>
<td>Gram Panchayat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Panchayat Samiti</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Zila Parishad</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Agriculture co-operative society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Milk co-operative society</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Rural youth club</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Farm Science club</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Self-help group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Religious committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Political organization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Self-help group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Any other specify</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Distinctive feature</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. Farm Experience: Since how long you are engaged in farming? ................. Years.
13. Material possession:
(A) Please indicate the details of farm materials if possessed by your family:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Particulars</th>
<th>Score</th>
<th>Number</th>
<th>Present Value</th>
<th>Year of Purchase</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i)</td>
<td>Pumping set</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii)</td>
<td>Tractor</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii)</td>
<td>Power thresher</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iv)</td>
<td>Cane crusher</td>
<td>(5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(v)</td>
<td>Chaff cutter</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(vi)</td>
<td>Mould bold plough</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(vii)</td>
<td>Tractor trolley</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(viii)</td>
<td>Disc harrow</td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ix)</td>
<td>Cultivator</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(x)</td>
<td>Ridger</td>
<td>(5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xi)</td>
<td>Biogas plant</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xii)</td>
<td>Levler</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xiii)</td>
<td>Seed drill</td>
<td>(4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xiv)</td>
<td>Desi plough</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xv)</td>
<td>Duster</td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xvi)</td>
<td>Sprayer</td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xvii)</td>
<td>Winnowor</td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(xviii)</td>
<td>Any other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(B) Please indicate the details of non-farm materials if possessed by your family:

<table>
<thead>
<tr>
<th>S No.</th>
<th>Particulars</th>
<th>Score</th>
<th>Number</th>
<th>Present Value</th>
<th>Year of Purchase</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i)</td>
<td>Chairs</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ii)</td>
<td>Tables</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iii)</td>
<td>Sofa-set</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(iv)</td>
<td>Wooden Almirah</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(v)</td>
<td>Steel Almirah</td>
<td>(4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(vi)</td>
<td>Radio</td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(vii)</td>
<td>T.V.</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(viii)</td>
<td>Refrigerator</td>
<td>(6)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(ix)</td>
<td>Sewing machine</td>
<td>(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(x)</td>
<td>Electric fan</td>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
(xi) LPG gas (4)  
(xii) Motor cycle (4)  
(xiii) Four wheeler (6)  
(xiv) Cycle (1)  
(xv) Any other  

14. Extension contact: (Source utilization pattern)
14.1 Formal source used:

How often in the last one year did you come in contact with the following officials/personnel?

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Extension Personnel</th>
<th>Frequency</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Weekly</td>
<td>Fortnightly</td>
<td>Monthly</td>
<td>Once in six month</td>
<td>Yearly</td>
</tr>
<tr>
<td>1.</td>
<td>Agriculture Extension Officer</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>B.D.O</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Veterinary Officer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Gram Sevak</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>KVK Personnel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>S.D.O. Agri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>University Personnel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Any other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

14.2 Informal source used:

Please indicate which of the following sources you have utilized for getting information about Agriculture?

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Information Sources</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Weekly</td>
</tr>
<tr>
<td>1.</td>
<td>Family</td>
<td>5</td>
</tr>
<tr>
<td>2.</td>
<td>Friends</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Neighbors</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Relatives</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Other farmers</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Local leaders</td>
<td></td>
</tr>
</tbody>
</table>
15. Mass media exposure

a- How often you read following

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>News papers</th>
<th>Magazine</th>
<th>Regularly</th>
<th>Sometimes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Daily (Names……..)</td>
<td>Daily (Names………..)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Weekly (Names…….)</td>
<td>Weekly (Names…….)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Fortnightly (Nam.)</td>
<td>Fortnightly (Nam…….)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Monthly (Names…….)</td>
<td>Monthly (Names…….)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

b- How often do you listen radio?
Daily/Twice a week/Once a week/Rarely/Never
(25)/   (20)/   (15)/   (10)/   (0)

c- How often do you view television?
Daily/Twice a week/Once a week/Rarely/Never
(25)  (20)/  (15)/  (10)/  (0)

d- How often do you see films at theatre?
Weekly/Monthly/Six monthly/Rarely/Never
(25)/  (20)/  (15)/  (10)/  (0)
PART-II

(A) KNOWLEDGE OF RESPONDENT ABOUT KVK TRAINING PROGRAMMES

1. Do you know about Krishi Vigyan Kendra?

2. What is K. V. K.?
   (a) Krishi Vikash Kendra
   (b) Krishi Gyan Kendra
   (c) Krishi Vigyan Kendra
   (d) None of these

3. In which year was K. V. K. Started.
   (a) Jan-1985
   (b) March-1985
   (c) April-1986
   (d) May-1987

4. K.V.K. is a training institute for a-
   (a) Practicing farmers.
   (b) Rural Youth.
   (c) Farm women.
   (d) Extension Functionaries.
   (e) All of above.

5. K.V.K. provides training to the farmers in-
   (a) Crop Production and Horticulture.
   (b) Poultry and Dairying.
   (c) Fisheries and Small Scale Industries.
   (d) Home Science.
   (e) All of above.

6. K.V.K. provides training to the farmers through-
   (a) Formal teaching only.
   (b) Work experience (Learning by doing only)
   (c) Discussion only.
   (d) All of the above.

7. K.V.K conduct training
   (a) Only at the Centre (On campus)
   (b) Only in the selected village.
   (c) On campus as well as off campus.
   (d) None of these.
8. The main criteria for selection of farmers for training are-
   (a) Contact farmers having needs for training.
   (b) Based on interview, survey PRA.
   (c) On the basis of local problem.
   (d) All of above.

9. K.V. K provides-
   (a) Training
   (b) Advisory services.
   (c) Diagnostic Service
   (d) All of above.

10. K. V. K. is sponsored by-
    (a) State government.
    (b) Indian Council of Agricultural Research. (ICAR)
    (c) NABARD.
    (d) None of these.

11. What is the maximum duration of on-campus training?
    (a) One week to three week.
    (b) Three year.
    (c) Three month.
    (d) One to three days.

12. K.V.K. provide training and communication support to the line department of State/Central Government and NGO.
    (a) Yes
    (b) No

13. K.V.K makes planning for each session in general well in time about training Programme
    (a) Yes
    (b) No

14. Training under K.V.K is free from any financial charges.
    (a) Yes
    (b) No

15. KVK provides free fooding and lodging facilities during training period.
    (a) Yes
    (b) No

16. Subject matter specialists (Training Associate/Assistant) in KVK are well educated and qualified.
    (a) Yes
    (b) No
17. KVK provides extension literature to the trainees during training programme.
   (a) Yes
   (b) No

18. How many trainees are selected for a training programme?
   (a) 50-60
   (b) 40-50
   (c) 25-30
   (d) 10-15

19. Impact analysis is done by KVK after training programme.
   (a) Yes
   (b) No

20. Off-Campus training conducted at KVK centre. True/False

21. In KVK, only Home Scientist trains the farm women. True/False

22. KVK provide training only-
   (a) Upper caste farmers.
   (b) Middle caste farmers
   (c) Lower cast farmers
   (d) All of above

23. Is KVK providing free of cost farm inputs after training? Yes/No

24. The main objective of KVK training is-
   (a) Increase agriculture production
   (b) Increase self-employment.
   (c) Remove poverty and hunger.
   (d) All of above.

25. KVK provides stipend during training programme. True/False
B) KNOWLEDGE OF RESPONDENT ACCORDING TO ENTERPRISEWIDE:

Paddy Crop

1. No. of hills/sq. mt should be transplanted in paddy field;
   a) 15-20   b) 30-35   c) 40-45   d) 50-55

2. Nursery area for 1 ha. Paddy crop should be;
   a) 500 sq.mt   b) 1000 sq.mt   c) 1500 sq.mt   d) 2000 sq.mt

3. No. of seedling/hill should be transplanted in paddy field;
   a) 1-2   b) 2-3   c) 4-5   d) 6-8

4. The age of seedling at the time of transplanting should be;
   a) 10-20 days   b) 25-30 days   c) 40-45 days   d) 50-55 days

5. Per bigha seed rate of paddy is;
   a) 15-20 kg.   b) 35-40 kg.   c) 25-30 kg.   d) None of these

6. Pant-12 is a variety of;
   a) Long duration   b) Medium duration   c) Short duration   d) Very long duration

7. Swarna (MTU-7029) is a variety of;
   a) Medium duration   b) Long duration   c) Short duration   d) Very long duration

8. Madhukar, Jagannath, Chakia-59 are the variety of;
   a) Upland condition   b) Deep water   c) Lowland area   d) None of these

9. Khaira disease can be controlled by;
   a) Iron deficiency   b) Copper deficiency   c) Boron deficiency   d) Zinc deficiency

10. Quantity of Butachlor required to control of weeds in a bigha of paddy crop should be;
    a) 2 liter   b) 1 liter   c) 3 liter   d) 5 liter

11. The dose of Thiram for seed treatment should be;
    a) 1 gm/kg seed   b) 2.5 gm/kg seed   c) 5 gm/kg seed   d) 10 gm/kg seed
12. The dose of BGA should be;  
a) 3 kg/bigha  b) 5 kg/bigha  c) 4 kg/bigha  d) 1 kg/bigha

13. The dose of NPK/ha for paddy crop is;  
a) 40:120:60  b) 120:60:40  c) 60:40:120  d) 40:60:120

14. The basal dose a of Zine Sulphate should be;  
a) 10 kg/bigha  b) 6 kg/bigha  c) 2 kg/bigha  d) 12 kg/bigha

15. The most suitable soil type for rice is;  
a) Up land sandy loam  b) low land sandy loam  
c) Low land clay loam  d) up land clay loam

16. False smut can be controlled by;  
a) Foliar spray of fungicide  b) Seed treatment by fungicide  
c) Foliar sprat of insecticide  d) can’t controlled

17. The appropriate moisture content in a grain at the time of harvesting should be;  
a) 6-8 per cent  b) 10-12 per cent  c) 16-20 per cent  d) 20-25 per cent

18. The low temperature and short day length favors development of aroma in scented rice;  
True /False

19. BGA, Azospirillum is not a bio-fertilizer of paddy;  
True /False

20. Efficiency of applied urea can be increased by neem oil coating;  
True /False

21. Growing sesbania(dhaincha) as pre seedling crop will reduce dependent on chemical fertilizer;  
True /False

22. Butachlore, Anilphos are the safe herbicides for the paddy crop;  
True /False

23. Phalaris minor (Gulli danda), Bathuwa are the important weeds in paddy; True /False

24. Thiram/Agrimycin cannot be used for seed treatment;  
True /False

25. Stem borer is a major problem in paddy;  
True /False

26. Gandhi bug, Army worm can be controlled by application of Methyle Parathian @ 6kg./bigha;  
True /False

27. BPH (Brown Plant Hopper), WPH (white Plant Hopper) can’t be controlled by the application of BPMC (Bipwin) @ 500 ml/bigha;  
True /False
28. Bacterial Leaf Blight can be controlled by application of Dithane M-45 @ 500 gm/bigha;

29. Blast can be controlled by spray of Streptocyclin;

**Wheat Crop**

1. The suitable cultivars for timely planting of wheat are;
   a) PBW-343, PBW-443  
   b) UP-2338, HP-1744  
   c) PBW-373, K-7003  
   d) all of above

2. The suitable cultivars for mid late condition are;
   a) PBW-343, PBW-443  
   b) UP-2338, HP-1744  
   c) PBW-154, WH-542  
   d) Non of these

3. The Loose Smut of wheat can be controlled by;
   a) Spray of systemic insecticide  
   b) Spray of systemic fungicide  
   c) Seed treatment with organo-mercurical fungicide  
   d) Spray of contact fungicide

4. The seed rate of timely planted wheat is;
   a) 25 kg/bigha  
   b) 15 kg/bigha  
   c) 35 kg/bigha  
   d) 40 kg/bigha

5. If a farmer has a facilities to irrigate his crop only once then irrigation should be applied at;
   a) 21 Days after sowing  
   b) 31 Days after sowing  
   c) 41 Days after sowing  
   d) 51 Days after sowing

6. The dose of NPK for 1 ha. Wheat crop should be;
   a) 120:60:40  
   b) 40:60:120  
   c) 60:40:120  
   d) 120:40:60

7. Isoproturon should be applied @;
   a) 200 gm/bigha  
   b) 375 gm/bigha  
   c) 500 gm/bigha  
   d) 700 gm/bigha

8. 2-4, D should be applied at the stage of;
   a) Just before sowing  
   b) Just after sowing  
   c) 30 days after sowing  
   d) 40 days of sowing
9. Isoproturon is used for control of:
   a) Phalaris minor (Gehun ka mama)
   b) Jungli Palak
   c) Jungli Jai
   d) Bathuwa

10. The major disease of wheat is:
    a) Powdery mildew
    b) Downy mildew
    c) Damping-off
    d) Rust, Smut

11. The seed rate of wheat and mustard in intercropping system should be 50 kg+1 kg/bigha;

12. Azotobacter and PSB can not be used as bio-fertilizer in wheat;

13. The seed treatment of wheat with bio-fertilizer is 200 gm/10 kg. of seed;

14. Loose smut is a seed born disease;

15. Isoproturon should be mixed with urea at first top dressing;

16. Sawa, Jhuns are the major weeds of the wheat;

17. Border strips is the favorable method of irrigation wheat crops;

18. Crown root initiation stage is a critical stage for Urea top dressing;

19. Zero tillage method can not be practiced for sowing the wheat;

20. Zinc phosphide bait should be used for control of rats;

21. Halana is a suitable cultivar for timely planted wheat crop;

22. The depth of sowing for wheat should be maintained at:
    a) 2-3 cm.  
    b) 4-5 cm.  
    c) 6-7 cm.  
    d) 8-9 cm.

23. The row spacing for wheat crops;
    a) 15 cm.  
    b) 20 cm.  
    c) 25 cm.  
    d) 30 cm.

24. The Termites in wheat can be controlled by application of Chloropyriphos @ 21t/bigha;

25. The appropriate moisture content of the seed at the time of harvesting should be 14%;

26. Hot winds at the time of harvesting increase the yield of wheat;

27. C-306 is suitable cultivars for rained wheat crop;

28. Nitrogen deficiency can be observed by:
    a) Yellowing of upper leaves
    b) Yellowing of lower leaves
    c) Drying of plants
    d) None of these
29. Zinc deficiency can be observed by:
   a) Yellows of upper leaves  b) Yellows of lower leaves
   c) Drying of plants       d) None of these

30. The ratio of wheat, mustard intercropping should be 9:1 rows;

**Tomato Crop**

1. Rupali is a hybrid variety of tomato;

2. Leaf curl virus can be controlled by use of systemic insecticide;

3. *Alternaria* blight is the common problem in tomato crop;

4. Seed treatment can check Damping-off disease of the seedling;

5. Metribuzin is a safe herbicide of the tomato crop;

6. Root-knot disease can be controlled by use of Nemagon;

7. Thirty days of old seedling is required at the time of transplanting;

8. Hybrid tomato should be planted at a distance of 60×45 cm;

9. 400-500 gm of seed is required to plant 1 ha. Of tomato crop;

10. NAA (Nepthalin Acitic Acid) can be used to check the flower drop in tomato crop;

11. Tomato is riched in;
    a) Vitamin A  b) Vitamin C
    c) Vitamin B  d) Vitamin E

12. The required NPK ratio/ha. In tomato crop is;
    a) 100:60:40  b) 150:60:60
    c) 80:50:30    d) 200:100:50

13. Find out the following suitable variety for processing;
    a) H.S.-101    b) Angur lata
    c) Pusa early dwarf  d) None of these
14. Cracking of tomato fruit is caused by deficiency of;
   a) Iron  
b) Zinc  
c) Boron  
d) Magnesium

15. High temperature is major bottleneck for;
   a) Fertilization  
b) Fruit formation  
c) Growth development  
d) None of these

16. Suitable method for irrigating tomato is;
   a) Ring method  
b) Check basin  
c) Bed method  
d) Wild flooding

17. Fruiting can be enhancing by;
   a) Nipping  
b) Stacking  
c) Disbudding  
d) De-succuring

18. Disease free nursery can be obtained by using;
   a) Agro-net  
b) Mulching  
c) Stacking  
d) Rouging

19. Off-season tomato nursery can be produced by;
   a) Agro-net  
b) Drip irrigation  
c) Low tunnel poly house  
d) Root trainer

20. Termite can be controlled by use of;
   a) Monocrotophos  
b) Corbofuron  
c) Chloropyrifos  
d) Cypermethrin

21. Sunburn of summer tomato crop can be minimized by intercropping with;
   a) Mustard  
b) Maize  
c) Red gram  
d) Moong

**Brinjal Crop**

1. What is the sowing time of Rabi brinjal?
   a) August  
b) October  
c) January  
d) June

2. The chemical used for seed treatment is;
   a) Thiram  
b) Rogor  
c) Endosulphan  
d) Malathion

3. The correct stage of seedlings for transplanting;
   a) 10-15 Days after sowing  
b) 30-35 Days after sowing  
c) 15-20 Days after sowing  
d) 40-45 Days after sowing
4. The recommended dose of NPK/ha in brinjal crop is;
   a) 120:60:40
   b) 60:40:120
   c) 120:80:60
   d) 80:80:20

5. Soil suitable for brinjal cultivation is;
   a) Sandi loam
   b) Clay loam
   c) Loam
   d) Silt

6. Select a varieties of long brinjal according to shape & size (Long and round)? Is given below-
   a) Vanaras giant
   b) BK-113
   c) Pusa purple long
   d) Pus purple round

7. Correct transplanting distance of brinjal is;
   a) 120×80 cm.
   b) 90×75 cm.
   c) 90×30 cm.
   d) 40×30 cm.

8. The seed rate of brinjal is;
   a) 400-500 gm./ha
   b) 300-400 gm./ha
   c) 250-300 gm./ha
   d) 600-700 gm./ha

9. Suitable weedicide for brinjal crop is;
   a) Isoproturon
   b) 2,4-D
   c) Butachlore
   d) None of these

10. Little leaf in brinjal caused by;
    a) Bacteria
    b) Fungi
    c) Virus
    d) Micro plasma

11. Shoot and fruit borer of brinjal can be controlled by use of;
    a) Fungicide
    b) Systemic insecticide
    c) Fumigant
    d) None of these

12. Aphids and Thrips can be controlled by use of systemic insecticide; True/False

13. Damping-off of seedling can be controlled by seed treatment; True/False

14. Pant Ritu Raj is a variety of brinjal; True/False

15. Termites can not be controlled by use of Chloropyriphos; True/False
Kitchen Gardening

1. Papaya is a:
   a) Annual fruit crop  b) Perennial fruit crop
c) Biennial fruit crop  d) None of these

2. Winter season vegetables are:
   a) Cauliflower, Cabbage, Capsicum  b) Bhindi, Bitter gourd, Water melon
c) Musk melon  d) None of these

3. Which of the following crop can be grow throughout the year:
   a) Tomato, Brinjal  b) Okra, Cauliflower
c) Cabbage, Bitter gourd  d) Potato, Garlic

4. Which variety of onion can be grown in Rabi & Kharif season:
   a) Nasik red  b) Patna red
c) N-53  d) Agrifound dark red

5. Which of the following is the variety of potato:
   a) Kufri Alankar  b) Pant Bahar
c) Pant Samrat  d) Arka Anamika

6. Sowing time of garlic is:
   a) January-February  b) May-June
c) July-August  d) October-November

7. Which is the resistant variety of okra:
   a) Parbhani Kranti  b) Punjab Padmani
c) Vaishali Vadhu  d) Arka Anamika

8. Planting distance of brinjal is:
   a) 75×60 cm.  b) 90×30 cm.
c) 60×30 cm.  d) 45×30 cm.

9. Fruit borer can be controlled by use of Carbofuran; True/False

10. Leaf curl can be controlled by the use of following chemicals:
    a) Endosulphan  b) Phosphamidon
c) Bavistin  d) Thiram

11. Pusa Naveen is a variety of bottle gourd; True/False

12. Choose the variety of vegetable pea:
    a) Rachana  b) Aparna
c) AP-3.Arkel  d) Malvia-214
13. Hari Chhal is the variety of banana; True/False

14. Which of the following chemicals can be use for seed treatment;  
a) Monocrotophos b) Thiram  
c) Dimethoate d) Endosulphan

15. Planting distance of papaya is;  
a) 2×2 meter b) 3×3 meter  
c) 4×4 meter d) 5×3 meter

16. Suitable cultivar of papaya for kitchen garden is;  
a) Coorg honey dew b) Pusa nanha  
c) Pusa majesty d) Pusa delicious

17. The richest source of iron is;  
a) Methi b) Palak  
c) Okra d) Radish

18. The richest source of vitamin C is;  
a) Mango, Ber b) Banana, Papaya  
c) Guava, Jackfruit d) Aonla, Lemon

19. Which vegetable can be grown as a salad crop;  
a) Cauliflower, Brinjal, Palak b) Radish, Carrot, Lettuce  
c) Okra, Bitter gourd, Pumpkin d) Methi, Potato, Bottle gourd

20. Which of the following crop can be grown as a medicinal crop;  
a) Turnip b) Potato  
c) Tomato d) Mentha

21. Which of the mango variety can be grown successfully in kitchen garden;  
a) Dushari b) Chausa  
c) Annapali d) Langara

22. Surkha is the variety of guava; True/False

23. Leaf curl virus is a common disease of tomato. Chilies & papaya; True/False

24. Pusa chetaki is a variety of summer radish; True/False

25. All green is a variety of spinach; True/False

26. Purple blotch is a common disease of;  
a) Tomato b) Potato  
c) Onion d) Bottle gourd
27. Damping-off can be controlled by;
   a) Spray of systemic insecticide  
b) Spray of systemic fungicide
   c) Seed dressing with organo mercurial  
d) Spray of contact fungicide

28. Sugar baby is a variety of;
   a) Bottle gourd  
b) Cucumber
   c) Watermelon  
d) Muskmelon

29. Sowing time of cowpea in summer season;
   a) April-May  
b) October-November
   c) November-December  
d) January-February

30. Late blight of potato, can be controlled by using;
   a) Malathion  
b) Mancozeb
   c) Endosulphan  
d) Furadan

Fish farming

1. The suitable amendments for enhancing planktons in ponds are;
   a) Boron  
b) Zinc sulphate
   c) Mahuwa oil cake  
d) Amonium sulphate

2. The fingerlings are reared in;
   a) Breeder pond  
b) Spanning pool
   c) Nursery pond  
d) Ponds

3. Select undesirable fish among the following;
   a) Grass carp  
b) Common carp
   c) Big head  
d) Silver carp

4. Stoking density of fingerlings/ha should be;
   a) 1000-2000  
b) 3000-4000
   c) 8000-10000  
d) 20000-25000

5. Select the correct order of weight gainer;
   a) Rohu, Catla, Nain  
b) Catla, Rohu, Nain
   c) Nain, Catla, Rohu  
d) Nain, Rohi, Catla

6. Indian major carps are;
   a) Mangur, Singhi, Catla  
b) Singhi, Nain, Rohu
   c) Catla, Nain, Rohu  
d) Nain, Girai, Big head
7. Exotic carp is;
   a) Catla    b) Grass carp   c) Rohu    d) Nain

8. The suitable pH of ponds for fish culture should be;
   a) 5-6   b) 7-8   c) 9-10   d) 4-5

9. The amendment use for disinfecting the pond is;
   a) Citric acid  b) Mobil oil  c) Diesel oil  d) Zinc sulphate

10. The amendments use for remove the undesirable fishes is;
    a) Mustard oil cake  b) Soyabean oil cake  c) Mahuwa oil cake  d) Ground nut oil cake

11. Phyto plankton is;
    a) Tree  b) Bush  c) Small aquatic plant  d) Grass

12. What is the stocking ratio of Catla, Rohu, Nain;
    a) 50:30:20  b) 30:40:30  c) 60:30:10  d) 40:30:30

13. Lime is use for;
    a) Increasing pH  b) Decreasing pH  c) Neutralizing pH  d) Non of these

14. The correct water table for fish culture is;
    a) 3-4 ft.  b) 5-6 ft.  c) 1-2 ft.  d) 10-15 ft

15. Hydrila is a zooplankton;  

16. Sandy soil is fit for fish culture;  

17. Induced breeding is commonly used for breeding of fishes in hatchery;  

18. Grass carp is used for cleaning the ponds for undesirable weeds;  

19. The ratio in six species of Polly culture should be;
   Catla    10  
   Rohu    10  
   Nain    10  
   Silver carp    25  
   Grass carp    20  
   Common carp    25
20. Thailand mongur is a desirable fish; True/False

21. The amount of feed should be__________per cent body weight of the total fishes in stocking ponds. True/False

22. Use of cow dug reduces plankton on pond; True/False

23. Netting help to increase the body weight of fishes; True/False

24. Inlet-outlet of water is not necessary for fishpond; True/False

25. Hapa is use for examining the fishes; True/False

26. 2-4, D is a commonly used for controlling water hyacinth; True/False

27. Epi zotic ulcerative syndrome is a common disease of fishes; True/False

28. Copper sulphate used for controlling tale and fin rot disease; True/False

29. Dragon fly is a desirable insect for fish culture; True/False

30. Turpentine oil used for killing the insects in pond; True/False

31. Rice bran and mustard oil cake is a common feed for fingerlings; True/False
### Part – III

Attitude of respondent towards K.V.K. training programmes.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Statement</th>
<th>Agree</th>
<th>Undecided</th>
<th>Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The majority of the farmers attending training programme are not selected as per their needs.</td>
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<tr>
<td>2</td>
<td>For the sake of convenience trainers spare sufficient time for discussion.</td>
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<td>3</td>
<td>The trainers talk about something, which the farmers do not need.</td>
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<td>4</td>
<td>The course content in KVK programme is well designed</td>
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<tr>
<td>5</td>
<td>The courses content are not useful to the majority of the farmers.</td>
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<tr>
<td>6</td>
<td>Because of the KVK training farmers have considerably increased their production of agriculture.</td>
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<td>7</td>
<td>The farmers will not adversely be affected if the KVK is closed.</td>
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<td>8</td>
<td>KVK provides unique opportunity to the farmers for undergoing need based skill oriented training.</td>
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<td>9</td>
<td>The training programmes of KVK are not planned according to season and time.</td>
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<tr>
<td>10</td>
<td>It is strongly felt that more number of KVK should be established.</td>
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<tr>
<td>11</td>
<td>The training methods followed at KVK are not in accordance with the course content.</td>
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<tr>
<td>12</td>
<td>The KVK makes planning for each session in general well in time about training programme.</td>
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<tr>
<td>13</td>
<td>KVK training facilities are available only to the new selected farmers.</td>
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<tr>
<td>14</td>
<td>KVK maintained poor coordination with the other organization engaged in the farmers training.</td>
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<tr>
<td>15</td>
<td>KVK conduct well attended training, on campus and off campus to the farmers.</td>
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<td>16</td>
<td>The farmers get all sorts of technological help from the KVK in related to agriculture matters.</td>
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<tr>
<td>17</td>
<td>The training approach is not innovative but simply a traditional.</td>
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<td>18</td>
<td>KVK has very much added to the farmers knowledge about few and improved methods of farming.</td>
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<td>19</td>
<td>The trainees farmers find answer for their immediate problem by the trainers.</td>
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<td>20</td>
<td>There is no adequate follow up of the training programmes at KVK</td>
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## Part – IV

Adoption of farm technologies enterprise wise:
ADOPTION OF VARIOUS PRACTICES RELATED TO PADDY CROP

<table>
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<th>Year of adoption</th>
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<th>Full adoption (2)</th>
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<tr>
<td>Did you adopt high yielding varieties of paddy?</td>
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<tr>
<td>i) Yes</td>
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<td>Do you follow seed treatment?</td>
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<td>Do you adopt high yielding variety of paddy according to sowing time?</td>
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<td>Do you transplant the seedling according to the number of hills required per sq. mt.?</td>
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<td>Do you grow high yielding variety of wheat according to there sowing time?</td>
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<td>Do you follow the time and method of raising nursery according to their scientific recommendation?</td>
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<td>Micro-nutrient</td>
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<td>ii) No</td>
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<td>Did you stake the tomato plant?</td>
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<td>2.</td>
<td>Did you controlled weeds in nursery and tomato field?</td>
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<td>ii) Yes, by hand weeding</td>
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<td>iii) Not controlled</td>
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<td>3.</td>
<td>Did you followed IPM (Integrated Pest Management)?</td>
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<td>4.</td>
<td>Did you spray insecticide and fungicide against the control of disease and insect?</td>
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<td>Did you use plant hormone?</td>
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<td>Did you grow high yielding varieties of brinjal crop?</td>
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<td>ii) No</td>
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<td>Did you follow seed treatment?</td>
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<td>Did you grow high yielding varieties of brinjal according to their sowing time?</td>
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<td>Potash</td>
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<td>Did you earthing the brinjal plant?</td>
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<td>Did you controlled weeds in nursery and brinjal field?</td>
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<td>ii) Yes, by hand weeding</td>
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<td>Did you followed IPM (Integrated Pest Management)?</td>
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<td>Did you spray insecticide and fungicide against the control of insect/pest and disease?</td>
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<td>Did you grow high yielding varieties under kitchen garden?</td>
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<td>Did you follow seed treatment?</td>
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<td>Did you grow high yielding variety of vegetable and fruits according to their sowing time?</td>
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<td>Did you follow the seed rate according to scientific recommendation?</td>
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<td>Do You dug up the pits fill it properly with FYM, sand, chemical fertilizer before transplanting the fruit plants?</td>
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<td>Did you follow pre-sowing irrigation for quick and better germination and crop stand?</td>
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<td>ii) No</td>
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<td>Did you follow planting distance at the time of transplanting?</td>
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<td>ii) No</td>
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<td>Have you followed the pattern of integrated nutrient management?</td>
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<td>ii) No</td>
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<td>Have you used the bio-fertilizer?</td>
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1. Have you used the following chemical fertilizer  
   Nitrogen  
   i) Yes  
   ii) No  
   Phosphorus  
   i) Yes  
   ii) No  
   Potash  
   i) Yes  
   ii) No  
   Micro-nutrient  
   i) Yes  
   ii) No  

2. Did you follow the time & methods of irrigation?  
   i) Yes  
   ii) No  

3. Did you control weeds in nursery & crop?  
   i) Yes, by chemicals  
   ii) Yes, by hand weeding  
   iii) Not controlled  

4. Did you followed IPM (Integrated Pest Management)  
   i) Yes  
   ii) No  

5. Did you harvest fresh vegetable and fruit for daily consumption?  
   i) Yes  
   ii) No  

6. Any other  
   i) Yes  
   ii) No
# ADOPTION OF VARIOUS PRACTICES RELATED TO FISHERIES

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<td>Did you follow the scientific stocking ratio of Catla, Rohu, and Nain?</td>
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<td>ii) No</td>
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<td>2.</td>
<td>Did you follow the scientific stocking ratio of Grass carp, Common carp, and Silver carp?</td>
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<td></td>
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<td>ii) No</td>
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<td>3.</td>
<td>Fingerlings are reared in a small size pond before stocking in ponds.</td>
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<td>4.</td>
<td>Did you remove the undesirable fishes from ponds?</td>
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<td>5.</td>
<td>Did you follow the stocking density of fingerlings according to scientific pattern?</td>
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<td>6.</td>
<td>Did you use amendment for enhancing plankton in ponds?</td>
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<td>7.</td>
<td>Did you measure the pH of water?</td>
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<td>Did you use the amendment for remove the undesirable fishes?</td>
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<td>Have you maintained the regular feeding according to the ratio of body weight of fishes?</td>
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<td>Have you used the chemical fertilizer in ponds?</td>
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<td>Did you follow the pattern of regular netting in ponds?</td>
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<td>Did you maintain the water level round the year in ponds?</td>
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<td>Did you fix the time of feeding?</td>
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<td>Did you remove unwanted weeds from ponds?</td>
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<td>ii) No</td>
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<td>Did you use herbicides for control of weeds?</td>
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<td>ii) No</td>
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<td>Did you measure the plankton time to time?</td>
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<td>Did you control the disease of fish?</td>
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<td>ii) No</td>
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<td>Did you follow the pattern of agrisilvopastoral (Agriculture+Social forestry + Animal)?</td>
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<td>ii) No</td>
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## Part – V

To study the constraints experienced by trainee for adoption of technology.

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<th>Sl. No</th>
<th>Constraints</th>
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<th>No</th>
<th>Do not known</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Input required for adoption are not available in time.</td>
<td></td>
<td></td>
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<tr>
<td>2.</td>
<td>Input required for adoption are inadequate</td>
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<tr>
<td>3.</td>
<td>The input required for the adoption of technology is beyond our reach.</td>
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<td>4.</td>
<td>There is no practical demonstration on the technology.</td>
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<tr>
<td>5.</td>
<td>Non adoption is due to lack of marketing facilities.</td>
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<tr>
<td>6.</td>
<td>Lack of credit to procure needed inputs.</td>
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<tr>
<td>7.</td>
<td>No follow up programme for the adoption of technology.</td>
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<tr>
<td>8.</td>
<td>No guidance available during the adoption of technology.</td>
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<tr>
<td>10.</td>
<td>No printed literature are given to help for adoption of technologies.</td>
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<tr>
<td>11.</td>
<td>Low prices of the high value crops during the peak period.</td>
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<td>12.</td>
<td>The risk bearing capacity of the farmers is poor.</td>
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<td>13.</td>
<td>Lack of extension efforts &amp; methodology directed towards farmers.</td>
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<tr>
<td>14.</td>
<td>Lack of family and community support for the adoption of technology.</td>
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<tr>
<td>15.</td>
<td>Ignorance about the facilities provided by the Govt. departments and other institution</td>
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<td>16.</td>
<td>High cost of improved technology.</td>
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<td>17.</td>
<td>Non-availability of cheap/local appropriates technologies.</td>
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<tr>
<td>18.</td>
<td>Non-availability of high yielding varieties.</td>
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<tr>
<td>19.</td>
<td>Poor economic gain.</td>
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<td>20.</td>
<td>Poor knowledge regarding high yielding varieties.</td>
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<tr>
<td>21.</td>
<td>Small size of the farm.</td>
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<tr>
<td>22.</td>
<td>Non-availability of proper irrigation</td>
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<tr>
<td>23.</td>
<td>Problem of weed infestation.</td>
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<td>24.</td>
<td>Poor soil fertility.</td>
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<td>Suggestion</td>
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<tr>
<td>25.</td>
<td>Poor knowledge regarding technology.</td>
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<tr>
<td>27.</td>
<td>Poor organization and structure of marketing system.</td>
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<td>29.</td>
<td>Poor knowledge regarding plant protection measures and weedicide control technology.</td>
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<tr>
<td>30.</td>
<td>Non-availability of insecticide and pesticide.</td>
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<tr>
<td>31.</td>
<td>Poor knowledge regarding use of farm implements technology.</td>
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<td>32.</td>
<td>Any other</td>
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**Suggestion of improvement of training programme in future.**

1.
2.
3.
4.
5.
6.
Part – VI

For trainers of KVK............................
To study the constraints experienced by trainers of KVK for organization of training programmes and their follow up.

1. Name of the Scientist:
2. Designation:

<table>
<thead>
<tr>
<th>Sl. No.</th>
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<tr>
<td>1.</td>
<td>Trainees are not ready to come for on-campus training.</td>
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<tr>
<td>2.</td>
<td>Unfavorable attitudes of the other teachers for preparation &amp; use of A.V. aids.</td>
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<tr>
<td>3.</td>
<td>Non-availability of material for preparation of teaching material.</td>
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<tr>
<td>4.</td>
<td>Farmers do not cooperate in organizing training programme.</td>
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<tr>
<td>5.</td>
<td>Village panchayat do not co-operate in organizing training programme.</td>
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<td>6.</td>
<td>It is difficult to provide inputs immediately or after training programmes.</td>
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<td>7.</td>
<td>Follow up is not possible due to busy schedule at KVK.</td>
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<td>8.</td>
<td>Unfavorable attitude of trainees towards new technologies.</td>
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<td>9.</td>
<td>Lack in the skill of preparing A.V. aids.</td>
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<td>10.</td>
<td>Lack of the contingency/funds for critical input.</td>
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<td>Inadequate facilities for practical training.</td>
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<td>No sufficient practical facilities for imparting training.</td>
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<td>No incentives for extra work and or holiday work.</td>
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<td>14.</td>
<td>Lack of transport facilities for field visits and practical training.</td>
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<td>Lack of cooperation from higher authorities.</td>
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(Score one for each constraints)

Suggestions for improvement of training programme in future:

1. 
2. 
3. 
4. 
APPENDIX -II
KVK UTTAR PRADESH:

Krishi Vigyan Kendra (KVKS) is an innovative science based institution which undertakes vocational training of farmers, farm women and rural youths, conduct on farm trails for Technology assessment and refinement and front line demonstrations to promptly demonstrate the latest agricultural technologies to the farmers as well as the field level extension workers.

In zone-IV 72 KVKS and one Trainers Training Centers have been established by the ICAR up to 12 June, 2007; Out of which 60 KVKS and one TTC are functioning in UP and two in Uttarakhand under various institutions and organizations. The ICAR has also identified 8 Zonal Agricultural Research Stations (ZARS), (7 in UP and one in Uttarakhand) under National Agricultural Technology Project (NATP) to perform additional function of Krishi Vigyan Kendra. Thus in UP more than 80 per cent districts have been covered with KVKS and remandated ZARS.

Table 1: Institution wise distribution of ZARS KVKS:

<table>
<thead>
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<th>S. No.</th>
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<th>Name of the Host Institution</th>
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<tbody>
<tr>
<td>1.</td>
<td>Mainpuri, Belatal (Mahoba) &amp; Daleepnagar (Kanpur Dehat).</td>
<td>C.S.A.U.A. &amp;T, Kanpur</td>
<td>3</td>
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<tr>
<td>2.</td>
<td>Gorakhpur, Masodha (Faizabad), Basauli (Maharajganj) &amp; Tissuhi (Mirjapur)</td>
<td>N.D.U.A.&amp;T, Faizabad</td>
<td>4</td>
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<td>3.</td>
<td>Majhera (Nainital)</td>
<td>G.B.P.U.A.&amp;T, Pantnagar</td>
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# Table 2: Institution wise distribution of KVKs:

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<td>SAUs</td>
<td>(i) C.S.A.U.A &amp; T; Kanpur</td>
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<td></td>
<td></td>
<td>(ii) N.D.U.A &amp; T; Faizabad</td>
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<td></td>
<td></td>
<td>(iii) S.V.P.U.A &amp; T; Meerut</td>
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<tr>
<td></td>
<td></td>
<td>(iv) G.B.P.U.A &amp; T; Pant nagar</td>
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<td>(ii) D.D.U.P.C.VV.A.Sanstan</td>
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<td></td>
<td>(iii) Allahabad Agricultural Institute (Deemed University)</td>
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<td>(iv) R.B.S. College, Agra 1. Awagarh 2. Bichpuri</td>
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<td></td>
<td>(v) P.G.College, Gazipur</td>
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Source: Annual Progress Report of Krishi Vigyan Kendra (KVKs) 12 June 2007; ZC.Unit–IV (U.P) ICAR. C.S.A.U.A. & Tech Campus Kanpur (U.P.)
ABOUT KRISHI VIGYAN KENDRA BASTI:

Krishi Vigyan Kendra Basti of N.D University of Agriculture and Technology Kumarganj, Faizabad (U.P) started in March, 1985 for imparting training and Education with a view to raise the level of knowledge, attitudinal Changes and testing and transferring improved farm technology so as to bridge the gap between production and productivity and also to increase self employment opportunities among the farming community.

The following objectives are being carried out in order to fulfill its mandate:

1. Organizing agricultural training programme in agriculture and allied enterprises.
2. On farm testing (on farmer’s field) in crop production, horticulture, live stock production, fisheries etc.
3. Front line demonstration on major cereal crops, oilseeds, Pulses and other crops/enterprises related to agriculture.
4. In Service training of field level extension officials.

DESCRIPTION OF AGRO-CLIMATIC ZONE (NORTH EASTERN PLAIN ZONE) AND FARMING SITUATION OF THE DISTRICT – BASTI:

District-Basti is situated in the North Eastern Plain zone of State Uttar Pradesh. It lies between 20.00° and 27.30° north latitudes and 80.15° and 83.80° longitudes.

Basti districts has Sub-tropical climate that the average maximum temperature ranges between 42°c which may go as high as 45°c during peak summers. The minimum average temperture is 20-22°c which may fall as low as 4°c during peak winter months (Dec-Jan). the average rainfall of the district is 1180 mm. Out of which 68 per cent falls during the month of June to September causing sporading floods and water stragnation in low laying area.
Tropo graphically, the district of Basti belongs to the North Eastern Plain zone of Uttar Pradesh. The district Basti may be divided in five different agro-ecological situations i.e:

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THRUJT AREA IDENTIFIED THROUGH PRA, SURVEY OR ANY OTHER METHOD:

(i) Flood Prone area.
(ii) Nutrient and Pest management in Rice-Wheat crop rotation.
(iii) Late sowing of wheat.
(iv) Low yield of oil seeds and Pulses.
(v) Low yield of vegetables.
(vi) Nutritional aspect and green fodder management round the year for animals.
(vii) Fish Farming in low laying/unutilized ponds.
(viii) Less opportunities in agriculture based employment.

Crop Production:

1. IPNM in Rice-Wheat Cropping Sequence.
2. Inoculation of rabi Pulses seed with Rhizobium culture.
3. Control of Pod Borer in gram.
4. Inter cropping of urd in Sugar cane.
5. Integrated Pest management in Paddy.
6. Control of phalaris minor in wheat.
7. Control of Pod borer in arhar.
8. Wheat sowing by zero-till technique under late sown condition.
Horticulture:
1. Control of red Pumpkin bittle in bitter gourd.
2. Insect-Pest management in mango.
3. Planting technique of Parwal in up land.
4. Control of mealy bug in jack fruit.
5. Disease management in onion.

Live Stock Production:
1. Control of tick and mites in cross breed animals.
2. Rearing of broiler.
3. Feeding management in Pregnant cow and buffaloes.
4. Rearing of goat.
5. Use of Bio-and Phasphetic fertilizer in berseem.
6. Pig management.
7. Green fodder management round the year.

Fisheries:
1. Management of supplementary feed in fish pond.
2. Control of aquatic insect in nursery ponds.
5. Control of water hyacinth.
7. Control of tail and finrot disease and epizootic syndrome in fishers.
Home Science:
1. Preparation of mixed Pickles.
2. Preparation of tomato sauce.
3. Grain storage.
4. Preparation of stuffed green and chilli pickle.
5. Kitchen gardening.
6. 

For Rural Youths:
1. Gardener.
2. Nursery management of fruit and vegetable.
3. Poultry farming.
4. Composite fish culture.
5. Stitching of baby garments.
6. Candle making.
7. Fruits and vegetable Preservation.

Training programmes conducted by KVK Baishi:

To import training is one of the major activity of KVK, which acquaint the farmers with latest technologies. According to the need of the practicing farmers off campus/on campus for two days duration and for rural youth 4 to 60 days duration training are being conducted for self-employment generation. To upgrade the skills and knowledge of extension functionaries, training programmes organized for them. During the period reported 22 trainings conducted for extension functionaries in which 421 extension workers were participated for practicing farmers/farm women256 trainings were organized in various field of agriculture and 4702 farmers were benefited. Likewise 290 rural youth were participated in 32 training programmes. So that they can established their own enterprise for income.

Detail of trainings

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C = No. of courses
P = No. of participants
## Training Achievement

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<th>Kisan Melas No.</th>
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<td>7</td>
<td>-</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>2005</td>
<td>9</td>
<td>150</td>
<td>8</td>
<td>8</td>
<td>1</td>
<td>4</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>32</td>
</tr>
<tr>
<td>5</td>
<td>2006</td>
<td>6</td>
<td>170</td>
<td>2</td>
<td>8</td>
<td>1</td>
<td>5</td>
<td>8</td>
<td>3</td>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>
### Table 6: Staff position of KVK Basti (as on Sept., 2007)

<table>
<thead>
<tr>
<th>T.O.</th>
<th>Scientific</th>
<th>Technical</th>
<th>Administrative</th>
<th>Supporting</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Training Associate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>s</td>
<td>f</td>
<td>s</td>
<td>f</td>
<td>s</td>
<td>f</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>6</td>
<td>5</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16</td>
<td>15</td>
</tr>
</tbody>
</table>

T.O. = Training organizer,  
S = Sanctioned by council,  
\( f = \) fill

### Table 7: Infrastructure development of KVK Basti

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Item</th>
<th>Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Land Available (ha)</td>
<td>20.0</td>
</tr>
<tr>
<td>2</td>
<td>Demonstration units established</td>
<td>Crop, Horticulture, fisheries, Dairy, Poultry, Goat &amp; Pig Argil. Engineering.</td>
</tr>
<tr>
<td>3</td>
<td>Building construction</td>
<td>Administrative Block ,</td>
</tr>
<tr>
<td>4</td>
<td>Building under construction</td>
<td>Poultry</td>
</tr>
<tr>
<td>5</td>
<td>Vehicles</td>
<td>Jeep - 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tractor - 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Motorcycle - 1</td>
</tr>
</tbody>
</table>
Table 8: Literature developed/published by the KVK Basti.

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Year</th>
<th>Research Papers</th>
<th>Technical Report</th>
<th>Technical Bulletins</th>
<th>Popular Articles</th>
<th>Extension Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>2002</td>
<td>-</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>2.</td>
<td>2003</td>
<td>1</td>
<td>16</td>
<td>4</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>3.</td>
<td>2004</td>
<td>2</td>
<td>14</td>
<td>8</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>4.</td>
<td>2005</td>
<td>2</td>
<td>4</td>
<td>7</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>5.</td>
<td>2006</td>
<td>3</td>
<td>9</td>
<td>8</td>
<td>7</td>
<td>6</td>
</tr>
</tbody>
</table>

2. District profile data

(a) Basic information about Basti district

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Particulars</th>
<th>No./Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Geographical area (Sq.km.)</td>
<td>2873.7</td>
</tr>
<tr>
<td>2.</td>
<td>No. of Tehsil</td>
<td>4</td>
</tr>
<tr>
<td>3.</td>
<td>No. of Blocks</td>
<td>13</td>
</tr>
<tr>
<td>4.</td>
<td>Revenue villages</td>
<td>3350</td>
</tr>
<tr>
<td>5.</td>
<td>Gram Panchayat</td>
<td>1050</td>
</tr>
<tr>
<td>6.</td>
<td>Nyay Panchayat</td>
<td>139</td>
</tr>
<tr>
<td>7.</td>
<td>Town area</td>
<td>2</td>
</tr>
<tr>
<td>8.</td>
<td>Total Population</td>
<td>20,689,22</td>
</tr>
<tr>
<td>9.</td>
<td>Literacy percentage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) Male</td>
<td>56.5</td>
</tr>
<tr>
<td></td>
<td>(b) Female</td>
<td>21.8</td>
</tr>
<tr>
<td>10.</td>
<td>Average annual rainfall (m.m.)</td>
<td>1020.0</td>
</tr>
<tr>
<td>11.</td>
<td>Fertilizers consumption (2002-03)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) Nitrogen (kg/ha)</td>
<td>111.0</td>
</tr>
<tr>
<td></td>
<td>(b) Phosphorus (kg/ha)</td>
<td>15.8</td>
</tr>
<tr>
<td></td>
<td>(c) Potash (kg/ha)</td>
<td>2.3</td>
</tr>
<tr>
<td>12.</td>
<td>Size of operational holding (%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(a) Marginal (&lt;1ha)</td>
<td>82.9</td>
</tr>
<tr>
<td></td>
<td>(b) Small (1-2ha)</td>
<td>11.6</td>
</tr>
<tr>
<td></td>
<td>(c) Semi-medium (2-3 ha)</td>
<td>3.6</td>
</tr>
<tr>
<td></td>
<td>(d) Medium (3-5 ha)</td>
<td>1.4</td>
</tr>
<tr>
<td></td>
<td>(e) Large (&gt; 5ha)</td>
<td>0.5</td>
</tr>
<tr>
<td>13.</td>
<td>Cropping intensity (%)</td>
<td>162</td>
</tr>
</tbody>
</table>
(B) Land utilization pattern in Basti district

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Particulars</th>
<th>No./Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Total reported area</td>
<td>275474</td>
</tr>
<tr>
<td>2.</td>
<td>Forest</td>
<td>2804</td>
</tr>
<tr>
<td>3.</td>
<td>Culturable waste land</td>
<td>6356</td>
</tr>
<tr>
<td>4.</td>
<td>Current fallows</td>
<td>4483</td>
</tr>
<tr>
<td>5.</td>
<td>Usar and unculturable land</td>
<td>3353</td>
</tr>
<tr>
<td>6.</td>
<td>Other fallows</td>
<td>5158</td>
</tr>
<tr>
<td>7.</td>
<td>Land utilization other than agriculture</td>
<td>35725</td>
</tr>
<tr>
<td>8.</td>
<td>Pasture land</td>
<td>567</td>
</tr>
<tr>
<td>9.</td>
<td>Orchards, tree and shrubs</td>
<td>5911</td>
</tr>
<tr>
<td>10.</td>
<td>Net sown area</td>
<td>208556</td>
</tr>
<tr>
<td>11.</td>
<td>Area sown more than once</td>
<td>125167</td>
</tr>
<tr>
<td>12.</td>
<td>Gross cropped area</td>
<td>125167</td>
</tr>
<tr>
<td>13.</td>
<td>Area sown in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(i) Kharif</td>
<td>125263</td>
</tr>
<tr>
<td></td>
<td>(ii) Rabi</td>
<td>139183</td>
</tr>
<tr>
<td></td>
<td>(iii) Zaid</td>
<td>7680</td>
</tr>
<tr>
<td></td>
<td>(iv) Under sugarcane</td>
<td>13135</td>
</tr>
<tr>
<td>14.</td>
<td>Net irrigated area</td>
<td>188983</td>
</tr>
</tbody>
</table>