

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Ancient Indian History, Culture & Archeology(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
D	B	A	C	B	B	C	C	B	C
11	12	13	14	15	16	17	18	19	20
A	A	C	B	D	A	B	B	D	C
21	22	23	24	25	26	27	28	29	30
A	C	C	B	D	A	B	A	B	D
31	32	33	34	35	36	37	38	39	40
C	A	C	C	A	D	C	A	D	B
41	42	43	44	45	46	47	48	49	50
C	C	B	B	C	D	C	B	B	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Economics(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
D	B	A	B	B	C	D	B	D	A
11	12	13	14	15	16	17	18	19	20
D	C	D	D	C	C	D	B	B	A
21	22	23	24	25	26	27	28	29	30
B	A	D	C	B	C	A	A	B	C
31	32	33	34	35	36	37	38	39	40
B	C	B	B	A	D	B	D	B	D
41	42	43	44	45	46	47	48	49	50
C	D	D	B	C	C	B	A	B	C

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**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Gandhian and Peace Studies(M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	A	B	D	A	B	B	B	A	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
B	B	A	C	D	A	A	C	A	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
A	A	B	A	B	A	C	C	A	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	D	C	D	D	A	A	C	B	C
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
C	B	D	D	A	D	C	A	A	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: History(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
C	D	A	B	C	A	C	C	D	B
11	12	13	14	15	16	17	18	19	20
D	A	A	A	B	A	D	B	B	C
21	22	23	24	25	26	27	28	29	30
B	C	A	B	D	D	B	D	C	D
31	32	33	34	35	36	37	38	39	40
C	C	D	A	A	D	C	D	A	B
41	42	43	44	45	46	47	48	49	50
A	C	C	C	D	C	A	D	B	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Political Science(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
A	C	C	A	B	D	D	D	D	D
11	12	13	14	15	16	17	18	19	20
A	C	D	A	D	D	A	D	C	D
21	22	23	24	25	26	27	28	29	30
D	D	D	D	D	A	D	D	C	A
31	32	33	34	35	36	37	38	39	40
D	D	D	D	D	C	D	C	A	C
41	42	43	44	45	46	47	48	49	50
D	B	D	D	A	A	D	D	D	C

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**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Psychology(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
A	B	C	B	A	B	A	D	C	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	B	B	A	C	A	A	B	D	D
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	C	B	B	C	A	D	B	B	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
A	B	C	B	A	C	B	D	C	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
B	D	A	C	C	A	B	C	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Philosophy(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
B	C	C	A	B	A	B	D	A	A
11	12	13	14	15	16	17	18	19	20
B	B	A	A	A	C	B	B	B	C
21	22	23	24	25	26	27	28	29	30
A	A	C	B	A	D	D	A	A	B
31	32	33	34	35	36	37	38	39	40
C	C	A	A	C	C	A	B	B	D
41	42	43	44	45	46	47	48	49	50
C	B	A	C	C	B	A	C	C	B

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**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Public Administration(Ph.D. & M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	A	C	C	B	A	D	B	D	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
B	A	A	B	D	C	D	D	B	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
C	D	A	A	B	B	C	C	A	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
B	B	B	D	B	C	A	D	B	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	D	A	D	C	B	C	B	D	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question



**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Sociology(Ph.D. & M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	A	C	C	C	B	C	C	A	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
B	C	A	B	A	D	A	B	D	B
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	C	A	A	C	D	C	B	C	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	B	C	B	B	C	B	B	B	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	C	C	C	B	D	A	B	B	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: Centre for Defence & National Security Studies(Ph.D. & M.Phil)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
A	D	A	B	B	C	D	C	A	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
B	A	C	C	C	B	A	D	D	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
A	B	C	B	B	B	B	D	B	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
B	A	D	B	C	C	B	C	D	B
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
C	B	A	D	D	D	C	C	C	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Police Administration(Ph.D. & M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	B	C	C	A	D	B	A	D	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	B	C	D	B	B	B	D	D	B
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	D	A	D	C	B	D	C	B	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	A	D	B	A	C	C	B	C	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
B	D	B	B	C	C	C	D	C	C

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Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Centre for Women's Studies & Development(Ph.D.)

1	2	3	4	5	6	7	8	9	10
D	A	B	C	A	D	C	A	D	C
11	12	13	14	15	16	17	18	19	20
D	B	C	A	B	C	B	A	D	C
21	22	23	24	25	26	27	28	29	30
D	A	D	A	C	A	B	B	C	C
31	32	33	34	35	36	37	38	39	40
A	C	A	B	A	C	A	B	D	A
41	42	43	44	45	46	47	48	49	50
C	C	A	B	C	B	C	D	A	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: English(Ph.D. & M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	C	A	B	C	D	C	A	D	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
B	D	C	C	A	A	D	D	B	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
C	D	B	C	A	D	C	C	B	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	A	D	D	D	A	D	B	A	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	B	C	B	C	B	D	A	B	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: Punjabi(Ph.D. & M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	C	A	C	C	A	B	C	B	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	A	C	C	A	D	B	D	C	B
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
C	D	C	A	A	B	A	B	A	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	C	B	D	C	B	D	X	D	X
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
C	A	D	C	C	D	B	A	C	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Sanskrit(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
B	C	D	A	C	B	D	D	B	D
11	12	13	14	15	16	17	18	19	20
C	B	C	C	C	D	C	B	D	D
21	22	23	24	25	26	27	28	29	30
B	D	D	D	D	C	C	C	C	D
31	32	33	34	35	36	37	38	39	40
C	B	B	B	D	A	C	B	B	D
41	42	43	44	45	46	47	48	49	50
C	D	C	A	A	B	A	B	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Hindi(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	D	B	C	B	A	B	A	D	D
11	12	13	14	15	16	17	18	19	20
D	A	D	A	A	B	C	A	C	D
21	22	23	24	25	26	27	28	29	30
A	D	B	B	A	C	B	D	C	D
31	32	33	34	35	36	37	38	39	40
C	A	C	A	B	C	A	B	C	D
41	42	43	44	45	46	47	48	49	50
D	B	D	C	C	C	D	C	A	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question



Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: French(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	D	B	C	C	B	C	C	D	B
11	12	13	14	15	16	17	18	19	20
C	A	C	C	C	D	C	B	D	A
21	22	23	24	25	26	27	28	29	30
C	B	B	C	B	D	A	C	B	C
31	32	33	34	35	36	37	38	39	40
B	C	B	C	D	B	C	C	C	B
41	42	43	44	45	46	47	48	49	50
C	B	A	C	B	D	A	B	B	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: Russian(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	B	C	A	B	C	D	D	C	A
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	A	B	C	D	A	C	C	B	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	B	C	B	B	D	C	B	D	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	C	B	A	A	A	C	D	C	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	C	B	A	C	A	C	C	A	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Anthropology(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	A	C	C	C	A	D	A	B	D
11	12	13	14	15	16	17	18	19	20
C	A	D	D	B	C	B	C	B	B
21	22	23	24	25	26	27	28	29	30
A	B	D	D	C	B	C	B	D	B
31	32	33	34	35	36	37	38	39	40
D	D	C	C	B	A	B	A	A	A
41	42	43	44	45	46	47	48	49	50
C	A	A	A	D	A	D	A	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Botany(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
B	C	C	C	C	D	X	X	D	C
11	12	13	14	15	16	17	18	19	20
C	B	A	A	D	A	A	B	C	A
21	22	23	24	25	26	27	28	29	30
B	C	C	A	B	B	B	A	D	A
31	32	33	34	35	36	37	38	39	40
A	B	C	A	C	B	A	A	D	D
41	42	43	44	45	46	47	48	49	50
B	A	A	B	A	B	C	C	D	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Bio-Chemistry(Ph.D.)

1	2	3	4	5	6	7	8	9	10
B	A	C	C	C	C	A	D	B	D
11	12	13	14	15	16	17	18	19	20
B	B	A	B	A	C	A	B	A	D
21	22	23	24	25	26	27	28	29	30
B	C	A	C	D	B	A	B	D	A
31	32	33	34	35	36	37	38	39	40
B	D	A	C	A	D	B	B	D	A
41	42	43	44	45	46	47	48	49	50
A	D	A	A	C	C	C	A	D	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Bio-Physics(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	D	C	A	C	D	B	C	B	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
A	B	D	C	D	A	B	D	C	B
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
A	C	B	B	A	A	D	B	B	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
B	D	A	C	B	D	B	A	B	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
D	C	B	D	B	B	C	D	B	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Chemistry(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	A	B	B	D	D	D	A	A	D
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	A	A	A	B	C	D	B	D	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	A	D	B	B	D	C	B	A	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	B	B	D	C	A	C	A	D	C
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
C	D	A	D	D	D	A	D	C	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Forensic Science & Criminology(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	B	D	C	C	A	C	A	B	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	D	C	D	B	B	C	A	C	B
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	B	A	A	D	C	D	A	A	D
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	B	D	B	A	C	B	D	C	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
D	C	B	C	B	C	C	D	B	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question



Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Medical Physics(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	C	C	B	A	B	X	D	C	B
11	12	13	14	15	16	17	18	19	20
B	C	A	B	A	A	B	B	C	C
21	22	23	24	25	26	27	28	29	30
B	B	B	C	C	A	D	A	C	A
31	32	33	34	35	36	37	38	39	40
C	D	A	B	B	A	D	A	C	A
41	42	43	44	45	46	47	48	49	50
B	C	C	C	B	B	B	B	D	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: System Biology & Bioinformatics(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	D	B	A	D	A	D	A	C	C
11	12	13	14	15	16	17	18	19	20
C	B	C	B	B	A	A	B	C	B
21	22	23	24	25	26	27	28	29	30
A	B	B	A	C	C	A	B	B	C
31	32	33	34	35	36	37	38	39	40
D	D	B	C	B	A	B	A	D	A
41	42	43	44	45	46	47	48	49	50
C	A	D	B	A	A	B	A	A	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Environment Science(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	D	B	C	A	B	B	D	B	C
11	12	13	14	15	16	17	18	19	20
D	C	A	C	C	A	B	C	A	C
21	22	23	24	25	26	27	28	29	30
A	C	A	C	D	D	A	B	B	D
31	32	33	34	35	36	37	38	39	40
A	C	B	A	D	D	C	D	B	C
41	42	43	44	45	46	47	48	49	50
B	C	D	A	A	C	D	D	A	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Geology(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	A	A	C	A	C	C	A	D	A
11	12	13	14	15	16	17	18	19	20
A	D	B	C	B	B	C	B	A	A
21	22	23	24	25	26	27	28	29	30
A	B	C	D	B	B	D	D	C	D
31	32	33	34	35	36	37	38	39	40
C	C	B	A	C	A	C	D	C	B
41	42	43	44	45	46	47	48	49	50
D	B	A	D	A	C	C	A	A	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Physics(Ph.D.)

1	2	3	4	5	6	7	8	9	10
X	A	C	A	C	A	C	C	C	D
11	12	13	14	15	16	17	18	19	20
B	A	A	A	C	B	C	A	B	A
21	22	23	24	25	26	27	28	29	30
C	D	A	D	A	D	C	C	D	B
31	32	33	34	35	36	37	38	39	40
C	D	C	C	D	C	C	B	C	C
41	42	43	44	45	46	47	48	49	50
A	A	B	C	B	D	B	B	A	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Statistics(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
D	B	C	D	D	B	C	A	A	B
11	12	13	14	15	16	17	18	19	20
C	C	A	D	B	C	B	D	B	A
21	22	23	24	25	26	27	28	29	30
D	B	C	D	B	D	B	D	B	A
31	32	33	34	35	36	37	38	39	40
A	D	A	C	A	C	B	D	B	D
41	42	43	44	45	46	47	48	49	50
B	D	B	C	A	D	C	D	B	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Zoology(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
C	B	D	C	C	C	C	D	B	D
11	12	13	14	15	16	17	18	19	20
A	B	B	A	C	A	B	C	C	D
21	22	23	24	25	26	27	28	29	30
B	B	B	A	A	D	D	A	B	A
31	32	33	34	35	36	37	38	39	40
D	B	D	A	D	D	B	B	C	C
41	42	43	44	45	46	47	48	49	50
A	B	C	A	B	B	C	C	B	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Microbiology(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	A	A	B	D	C	B	D	D	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	B	A	C	B	A	A	A	A	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	D	D	C	B	A	B	B	C	C
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	C	B	A	B	B	C	B	A	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	C	B	D	A	A	D	B	B	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question



Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Nanoscience & Nanotechnology(Ph.D.)

1	2	3	4	5	6	7	8	9	10
D	A	C	A	B	A	C	A	A	D
11	12	13	14	15	16	17	18	19	20
B	A	B	C	B	A	A	A	B	C
21	22	23	24	25	26	27	28	29	30
A	D	B	B	C	A	B	X	A	A
31	32	33	34	35	36	37	38	39	40
D	B	D	C	X	B	B	D	C	A
41	42	43	44	45	46	47	48	49	50
C	A	A	B	D	A	B	C	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Physical Education(M.Phil.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	B	A	X	B	D	D	C	C	A
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
B	D	B	B	A	C	B	D	A	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	C	B	X	D	D	D	C	A	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	B	D	A	B	C	A	C	D	A
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
B	D	A	B	X	C	D	C	A	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Community Education & Development(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	D	C	C	B	C	C	B	A	B
11	12	13	14	15	16	17	18	19	20
B	C	D	C	A	B	A	A	A	B
21	22	23	24	25	26	27	28	29	30
A	B	B	C	A	A	D	C	C	A
31	32	33	34	35	36	37	38	39	40
C	X	B	B	B	X	C	C	A	B
41	42	43	44	45	46	47	48	49	50
D	B	A	A	D	B	C	C	B	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Marketing(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	C	D	A	B	D	C	A	D	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	D	B	C	D	A	C	D	B	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	X	A	D	B	C	D	B	C	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	B	A	B	A	A	C	C	D	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	D	B	D	C	D	D	B	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: Accounting & Finance(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	C	D	A	B	D	C	A	D	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	D	B	C	D	A	C	D	B	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	X	A	D	B	C	D	B	C	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	B	A	B	A	A	C	C	D	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	D	B	D	C	D	D	B	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: Human Resource(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	C	D	A	B	D	C	A	D	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	D	B	C	D	A	C	D	B	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	X	A	D	B	C	D	B	C	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
D	B	A	B	A	A	C	C	D	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	D	B	D	C	D	D	B	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Strategic Management(Ph.D.)

1	2	3	4	5	6	7	8	9	10
B	C	D	A	B	D	C	A	D	C
11	12	13	14	15	16	17	18	19	20
D	D	B	C	D	A	C	D	B	C
21	22	23	24	25	26	27	28	29	30
D	X	A	D	B	C	D	B	C	B
31	32	33	34	35	36	37	38	39	40
D	B	A	B	A	A	C	C	D	D
41	42	43	44	45	46	47	48	49	50
A	D	B	D	C	D	D	B	C	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Indian Theatre(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	C	B	B	A	D	D	D	B	C
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	B	B	C	B	D	D	D	C	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
B	C	B	D	B	C	D	D	B	B
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	C	A	B	C	D	C	A	A	B
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
C	B	C	C	D	B	A	B	A	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question



Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Music(Ph.D. & M.Phil.)

1	2	3	4	5	6	7	8	9	10
C	B	C	C	D	C	B	B	B	C
11	12	13	14	15	16	17	18	19	20
C	D	C	B	B	B	D	B	B	C
21	22	23	24	25	26	27	28	29	30
A	A	C	C	C	A	A	B	A	C
31	32	33	34	35	36	37	38	39	40
A	D	A	D	C	B	C	B	A	D
41	42	43	44	45	46	47	48	49	50
C	B	C	D	C	D	B	B	A	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Information Technology(Ph.D.)

1	2	3	4	5	6	7	8	9	10
D	D	A	A	D	C	C	C	B	A
11	12	13	14	15	16	17	18	19	20
C	C	B	C	D	D	A	D	A	B
21	22	23	24	25	26	27	28	29	30
D	A	D	B	B	D	A	D	D	B
31	32	33	34	35	36	37	38	39	40
D	A	B	D	B	C	A	C	D	A
41	42	43	44	45	46	47	48	49	50
A	A	D	A	A	D	C	B	A	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Electronics & Communication Engineering(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	D	B	A	D	A	C	B	B	C
11	12	13	14	15	16	17	18	19	20
A	D	C	D	D	A	B	C	C	A
21	22	23	24	25	26	27	28	29	30
C	B	C	A	B	A	C	A	B	A
31	32	33	34	35	36	37	38	39	40
X	D	A	B	A	B	C	B	C	D
41	42	43	44	45	46	47	48	49	50
C	B	A	B	C	C	C	B	B	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**

**M.Phil./PHD - 2015**

**ANSWERS / KEY**

**Subject: Computer Science & Engineering(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
B	A	C	A	D	D	C	B	A	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
A	D	D	A	B	C	D	B	C	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	B	A	C	A	D	B	A	C	D
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
A	C	B	D	A	B	A	C	D	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	C	B	A	C	B	C	D	B	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Electrical Engineering(Instrumentation & Control)(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	C	D	B	A	B	B	C	B	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	B	C	C	A	C	B	A	C	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	B	A	D	B	A	D	B	D	C
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	C	A	D	C	C	C	C	A	D
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
B	D	C	C	C	B	A	B	D	D

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Mechanical Engineering(Ph.D.)**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
A	B	A	C	B	C	A	C	D	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	D	A	B	C	C	A	A	X	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	B	B	D	B	B	D	D	C	A
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	C	D	B	D	B	D	C	A	B
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
A	C	C	A	A	B	B	A	A	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Biotechnology Engineering(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	A	B	A	D	D	B	C	B	B
11	12	13	14	15	16	17	18	19	20
C	D	A	D	C	A	B	D	A	D
21	22	23	24	25	26	27	28	29	30
B	A	A	B	B	A	A	C	C	C
31	32	33	34	35	36	37	38	39	40
A	B	B	C	C	D	X	B	C	B
41	42	43	44	45	46	47	48	49	50
D	B	A	B	A	D	B	D	D	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Civil Engineering(Construction Technology & Management)(Ph.D.)

1	2	3	4	5	6	7	8	9	10
C	A	C	B	B	A	B	D	D	A
11	12	13	14	15	16	17	18	19	20
B	B	B	B	A	C	A	A	D	C
21	22	23	24	25	26	27	28	29	30
A	A	A	A	C	A	D	C	D	C
31	32	33	34	35	36	37	38	39	40
D	B	A	D	A	D	D	B	A	B
41	42	43	44	45	46	47	48	49	50
D	B	B	B	A	C	D	C	B	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question



Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Electrical & Electronics Engineering(Ph.d.)

1	2	3	4	5	6	7	8	9	10
C	C	B	A	C	A	C	D	C	A
11	12	13	14	15	16	17	18	19	20
X	D	D	B	D	C	C	A	D	C
21	22	23	24	25	26	27	28	29	30
B	A	C	A	A	C	A	B	A	B
31	32	33	34	35	36	37	38	39	40
C	A	B	C	B	B	D	B	C	A
41	42	43	44	45	46	47	48	49	50
D	B	A	B	C	A	B	D	A	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Civil Engineering(Ph.D.)

1	2	3	4	5	6	7	8	9	10
A	B	C	C	C	C	D	C	B	B
11	12	13	14	15	16	17	18	19	20
C	C	C	C	B	D	C	B	D	A
21	22	23	24	25	26	27	28	29	30
A	B	C	A	B	D	D	C	D	B
31	32	33	34	35	36	37	38	39	40
B	C	B	C	B	A	A	B	B	B
41	42	43	44	45	46	47	48	49	50
C	B	D	C	B	B	A	C	A	B

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

**Panjab University, Chandigarh**  
**M.Phil./PHD - 2015**  
**ANSWERS / KEY**

**Subject: Law**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
A	B	C	D	D	C	B	D	A	D
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
D	B	B	B	B	A	C	A	B	C
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
D	B	D	B	C	C	C	A	B	C
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
B	A	D	D	B	C	A	B	C	B
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
B	A	B	D	A	A	D	A	B	A

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question

Panjab University, Chandigarh

M.Phil./PHD - 2015

ANSWERS / KEY

Subject: Microbial Biotechnology

1	2	3	4	5	6	7	8	9	10
A	C	C	B	A	C	A	C	D	B
11	12	13	14	15	16	17	18	19	20
A	C	D	D	B	C	C	D	C	D
21	22	23	24	25	26	27	28	29	30
C	D	D	B	A	D	C	B	A	D
31	32	33	34	35	36	37	38	39	40
A	B	B	C	B	B	A	B	D	C
41	42	43	44	45	46	47	48	49	50
C	A	D	A	B	B	B	D	C	C

**Note:** An 'X' in the key indicates that either the question is ambiguous or it has printing mistake. All candidates will be given credit for this question