

School of Applied and Life Sciences

Value Added Courses

Session: 2022-23

School of Applied and Life Sciences offers following value-added courses in session 2022-23. Students can register in any one course. Students have to qualify the examination and qualified candidates will be awarded by a certificate of value-added course.

1. Algal Technology (VAC-B8)

(Offered from Biotechnology discipline)

The objectives of this course are to comprehend basic fundamentals of microbiology and advancement significant technological and landmarks in development of microbiology.

Course Coordinator- Dr Nishesh Sharma

2. Heritages of Uttarakhand (VAC-C12)

(Offered from Chemistry discipline)

The objectives of this course are to gain knowledge about the history and culture of Uttarakhand. This course will be a virtual journey for students to various places of Uttarakhand.

Course Coordinator- Dr. Bharti Ramola

3. Essentials of Medicinal Plants with Techniques (VAC-C13)

(Offered from Chemistry discipline)

On this course Student will gain key research skills and exposure to the latest cutting-edge methods in natural product discovery. This includes how to biologically profile natural products, and how to investigate them as therapeutic agents.

Course Coordinator- Dr. Bharti Ramola

4. Introduction to Computational Chemistry (VAC-C14)

(Offered from Chemistry discipline)

The objective of this course is to Plan and apply computer-based calculations to determine the geometry, energies of molecules and Conduct computer-based calculations of chemical properties (size, hydrophobicity, dipole moment).

Course Coordinator- Dr. Bharti Ramola

5. Verbal & Non-verbal Reasoning Skills (VAC-M8)

(Offered by Department of Mathematics)

The objective of this course is to develop understanding about Verbal & Non-verbal Reasoning and to enhance problem solving and analytical skills needed in an organization. Also, to enable students to manage the placement challenges more effectively.

Course Coordinator-Dr. V.K. Srivastava

6. Basic Research Methodology (VAC-F9)

(Offered from Food Technology discipline)

The aim of this course is to provide students with the body of theoretical knowledge and practical skills of scientific work. The course consists of introduction to methodology of scientific research, including the topics on the principles of science and scientific research and basic concepts and principles of scientific creative work, elaboration of the model of research and methods of research.

Course Coordinator- Mr. Yogesh Awasthi

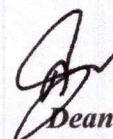
7. Numerical Methods and Programming (VAC-P9)

(Offered from Physics discipline)

The aim of the introduction of this course is to develop the ability to understand and to let the students familiar with basic numerical methods, customize data plot in 2D and 3D using XMGRACE, GNU PLOT and MATLAB, curve fitting, generation of random numbers, and concepts of Molecular Dynamics Simulation and to learn Monte Carlo Simulation method.

Course Coordinator- Dr. B.S. Rawat

Contact Person: Course Coordinator for the registration.



Dean
School of Applied and Life Sciences

Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)

Uttaranchal University

Arcadia Grant, Premnagar, Dehradun, Uttarakhand-248007, India



School of Applied and Life Sciences

Value Added Course

Session: 2022-23

Verbal & Non-verbal Reasoning Skills (VAC-M8)

School of Applied and Life Sciences offers a value added course *Verbal & Non-verbal Reasoning Skills (VAC-M8)* in Department of Mathematics for the session 2022-23. Students of mathematics discipline have to register in this course and qualify the examination. All qualified candidates will be awarded by a certificate of value added course.

Verbal & Non-verbal Reasoning Skills (VAC-M8)

Objectives of the Course:

1. Knowledge of the verbal and non verbal reasoning concepts.
2. Knowledge of the various numerical techniques to solve reasoning problems.

Highlights of the course: Verbal & Non-Verbal reasoning - Number series, Statement and argument, Logical Reasoning problems, Blood relations, Coding-decoding, logical arrangement of words, Sitting arrangements, Making series/analogy, Figure matrix questions etc.

Course Outcomes (COs):

CO1: Develop understanding about Verbal & Non-verbal Reasoning and to enhance problem solving and analytical skills needed in an organization.

CO2: Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning and Verbal Ability and Compete in various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, etc.

Course Coordinator: Dr. V.K. Srivastava (HOD, Mathematics)

- Student will contact to Course Coordinator for the registration and time table of the course.

Dean

School of Applied and Life Sciences

Prof. Ajay Singh, Dean

School of Applied & Life Sciences

Uttaranchal University, Dehradun (U.K.)

Ref.: UU/SALS/Math/VAC-M8

Date: 12-08-2022

NOTICE

Value Added Course

All students of School of Applied and Life Science are here by informed that discipline Mathematics is going to start the enrolment for the Value-added course "**Verbal & Non-verbal Reasoning Skills**" on 17 August, 2022.

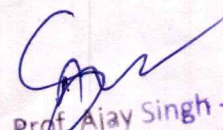
For any query/clarification contact to Dr. V. K. Srivastava



Dr. V. K. Srivastava
Programme Coordinator
(Mathematics)

Copy To:

1. Dean, SALS
2. All Programme Coordinators of SALS
3. Notice Board


Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)

School of Applied & Life Sciences

Value added Course			
Programme Name	B.Sc. (Hons) Mathematics	Programme Code	26
Course Code	VAC-M8		
Course Duration	30 hrs		
Course Name	Verbal & Non-verbal Reasoning Skills		
Objectives of the Course:			
<ol style="list-style-type: none"> 1. Knowledge of the verbal and non-verbal reasoning concepts. 2. Knowledge of the various numerical techniques to solve reasoning problems. 			
UNIT-1 Verbal Reasoning (Total Topic-20, Hrs-17)			
<p>Number series, Analogy, Blood relations, Coding-decoding, Puzzle test, Machine input, Inequalities, Decision making, Syllogism, Sitting arrangement, Sequential output tracing, Direction sense test, Logical Venn diagram, Alphabet test, Alpha-numerical sequence puzzle, Mathematical operations, Numbers, ranking & time sequence test, Logical sequence test, Arithmetical operations, Inserting the missing characters, Data Sufficiency, Eligibility test, Assertion and reason, Situation reaction test, Verification of truth of the statement.</p>			
UNIT-2 Non-Verbal Reasoning (Total Topic-15, Hrs-13)			
<p>Series, Analogy, Classification, Analytical reasoning, Mirror-image, Water-image, Spotting out the embedded figures, Completion of incomplete pattern, Figure matrix, Paper folding, Paper cutting, Rule detection, Grouping of identical figures, Cubes and dice, Dot situation, Construction of squares and triangles</p>			
Course Outcomes (COs):			
VAC-M8 CO 1. Develop understanding about Verbal & Non-verbal Reasoning and to enhance problem solving and analytical skills needed in an organization.			
VAC-M8 CO 2. Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning and Verbal Ability and Compete in various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, etc.			
References:			
<ol style="list-style-type: none"> 1. Agarwal, R.S. Verbal and Non-Verbal Reasoning, S. Chand Publications. 2. Singh, B.K. Lucent's Verbal Reasoning 			





UTTARANCHAL UNIVERSITY, DEHRADUN
School of Applied and Life Sciences (SALS)

Values Added Course: *Verbal & Non-verbal Reasoning Skills (VAC-M8)*


Certificate

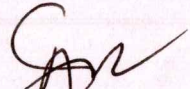
Reg. No. : SALS/VAC/VRS-II

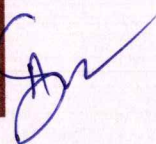
This is to certify that Mr./Ms. *Kashish Sadana*of
B.Sc.(Hons)...*Mathematics*.....School of Applied and Life Sciences (SALS),
Uttaranchal University, Dehradun has successfully completed value added course on “**Verbal & Non-verbal Reasoning Skills**” conducted during Session 2022-23.

He/She has secured...*40*.....marks.


Course Co-ordinator


Dr. V.K. Srivastava
(Programme Co-ordinator)


Prof. (Dr.) Ajay Singh
Prof. (Dean, SALS)
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)





UTTARANCHAL UNIVERSITY, DEHRADUN
School of Applied and Life Sciences (SALS)

Values Added Course: *Verbal & Non-verbal Reasoning Skills (VAC-M8)*


Certificate

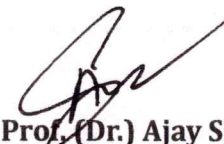

Reg. No. : SALS/VAC/VRS-21

This is to certify that Mr./Ms. *Sakshi Pant*of
B.Sc.(Hons)...*Mathematics*.....School of Applied and Life Sciences (SALS),
Uttaranchal University, Dehradun has successfully completed value added course on “***Verbal & Non-verbal Reasoning Skills***” conducted during Session 2022-23.

He/She has secured.....*48*.....marks.

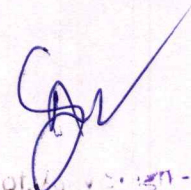

Course Co-ordinator


Dr. V.K. Srivastava
(Programme Co-ordinator)


Prof. (Dr.) Ajay Singh
(Dean, SALS)
Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)


S. No.	Enrollment no.	Student's Name	Semester
1	UU2226000001	AAYUSHMA SAKLANI	1
2	UU2226000002	ABHINAV DHIMAN	1
3	UU2226000003	AKASH YADAV	1
4	UU2226000004	AMAN KHAN	1
5	UU2226000005	ANJALI NEGI	1
6	UU2226000006	ANJU	1
7	UU2226000007	ANKUSH	1
8	UU2226000008	AYUSH BHATT	1
9	UU2226000009	AYUSH RAWAT	1
10	UU2226000010	HARSH KUMAR	1
11	UU2226000011	KASHISH SADANA	1
12	UU2226000012	KHUSHI KUNIYAL	1
13	UU2226000013	LUCKY SINGH	1
14	UU2226000014	MANAV JOSHI	1
15	UU2226000015	MOHD AATIF	1
16	UU2226000016	PARAS JHALDIYAL	1
17	UU2226000017	PRANJAL CHAUHAN	1
18	UU2226000018	RAKESH SINGH	1
19	UU2226000019	SAARTHAK AWASTHI	1
20	UU2226000020	SACHIN NAUTIYAL	1
21	UU2226000021	SAKSHI PANT	1
22	UU2226000022	SAURAV KUMAR TAMTA	1
23	UU2226000023	SOURAV SINGH GUSAIN	1
24	UU2226000024	SUJAL SHARMA	1
25	UU2226000025	SWAPNIL SINGH	1
26	UU2226000026	VANSHIKA PARASHAR	1

W



School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)

S. No.	Enrollment no.	Student's Name/ Date	02/09/22 P-6	02/09/22 P-7	09/09/22 P-6	09/09/22 P-7	16/09/22 P-6	16/09/22 P-7	23/09/22 P-6	23/09/22 P-7	30/09/22 P-6	30/09/22 P-7	07/10/22 P-6	07/10/22 P-7	14/10/22 P-6	14/10/22 P-7	21/10/22 P-6	21/10/22 P-7	28/10/22 P-6	28/10/22 P-7	04/11/22 P-6	11/11/22 P-7	18/11/22 P-6	18/11/22 P-7	25/11/22 P-6	25/11/22 P-7	02/12/22 P-6	02/12/22 P-7	09/12/22 P-6	09/12/22 P-7	
1	UU222600001	AA YUSHMA SAKLANI	P	A	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A
2	UU222600002	ABHINAV DHIMAN	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	UU222600003	AKASH YADAV	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	UU222600004	AMAN KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	UU222600005	ANJALI NEGI	A	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	UU222600006	ANJU	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	UU222600007	ANKUSH	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	UU222600008	AYUSH BHATT	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	UU222600009	AYUSH RAWAT	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	UU222600010	HARSH KUMAR	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	UU222600011	KASHISH SADANA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	UU222600012	KHUSHI KUNIYAL	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	UU222600013	LUCKY SINGH	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	UU222600014	MANAV JOSHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	UU222600015	MOHD AATIF	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	UU222600016	PARAS JHALDIYAL	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	UU222600017	PRANJAL CHAUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	UU222600018	RAKESH SINGH	A	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	UU222600019	SAARTHAK AWASTHI	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	UU222600020	SACHIN NAUTIYAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	UU222600021	SAKSHI PANT	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	UU222600022	SAURAV KUMAR TAMTA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	UU222600023	SOURAV SINGH GUSAIN	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	UU222600024	SUJAL SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	UU222600025	SWAPNIL SINGH	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	UU222600026	VANSHIKA PARASHAR	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)

School of Applied and life sciences

Value Added Course for

Verbal & Non-verbal Reasoning Skills (VAC-M8)

TIME TABLE

(w.e.f. 17 August, 2022)

Day/Period	9:30-10:30	02:30-03:30	03:30-04:30
Monday			
Tuesday			
Wednesday			
Thursday			
Friday		Mr. Atma Nand	Mr. Atma Nand
Saturday			



Dr. V. K. Srivastava
Programme Coordinator
Mathematics



Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)



UTTARANCHAL UNIVERSITY, DEHRADUN

(Established vide Uttaranchal University Act, 2012)
(Uttarakhand Act No. 11 of 2013)
Arcadia Grant, P.O. Chandanwari, Premnagar, Dehradun-248007,



School of Applied and Life Sciences

Registration Form

Value Added Course (2022-23)

Verbal & Non-verbal Reasoning Skills (VAC-M8)

NAME OF STUDENT: *Kashish Sadana*

ENROLLMENT NUMBER: *Student ID - 22252600008*

PROGRAMME NAME: *B.Sc. (Hons.) Mathematics*

YEAR/SEMESTER: *I*

COLLEGE NAME: *Uttaranchal University*

CONTACT NUMBER: *6397296944*

EMAIL ID: *sdanakashish8@gmail.com*

Kashish
SIGNATURE

AS
Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)



UTTARANCHAL UNIVERSITY, DEHRADUN

(Established vide Uttaranchal University Act, 2012)
(Uttarakhand Act No. 11 of 2013)
Arcadia Grant, P.O. Chandanwari, Premnagar, Dehradun-248007,



School of Applied and Life Sciences

Registration Form

Value Added Course (2022-23)

Verbal & Non-verbal Reasoning Skills (VAC-M8)

NAME OF STUDENT: Sakshi Pant

ENROLLMENT NUMBER: std id :- 22252600011

PROGRAMME NAME: B.sc (Hons.) Mathematics

YEAR/SEMESTER: Ist / Ist

COLLEGE NAME: School of Applied and Life Sciences

CONTACT NUMBER: 7505249142

EMAIL ID: sakshipant98@gmail.com

SIGNATURE

Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)

Roll No.

VAC-M8

B.Sc. (Hons) Mathematics

VALUE ADDED COURSE EXAMINATION, 2022-23

Verbal & Non-verbal Reasoning Skills

Time: Two Hours

Maximum Marks: 50

Note: Read carefully and attempt all questions. Each question carries 2 marks.

1. On what dates of April, 2001, did Wednesday fall?
 - a. 1st, 8th, 15th, 22nd, 29th
 - b. 2nd, 9th, 16th, 23rd, 30th
 - c. 3rd, 10th, 17th, 24th
 - d. 4th, 11th, 18th, 25th

2. If South-West becomes North, then what will North-East be?
 - a. West
 - b. South
 - c. South-East
 - d. North

3. 6, 9, 18, 45. ?
 - a. 248
 - b. 158
 - c. 148
 - d. 142

4. 5, 12, 27, 58, 121, ?
 - a. 248

W

- b. 485
- c. 238
- d. 148

5. P is the mother of K; K is the sister of D; D is J's father. How is P related to J?
- a. Mother
 - b. Grandmother
 - c. Aunt
 - d. Father
6. The day after the day after tomorrow is four days before Monday. What day is today?
- a. Monday
 - b. Tuesday
 - c. Wednesday
 - d. Thursday
7. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?
- a. Brother
 - b. Uncle
 - c. Cousin
 - d. Father
8. Find the next two terms of the given series Z, S, W, O, T, K, Q, G, ?, ?
- a. N, C
 - b. N, D
 - c. O, C
 - d. O, D
9. Suman walks 15 km towards North. She turns right and walks another 15 km. She turns right and walks another 15 km. In which direction is she from the starting point?
- a. North
 - b. South
 - c. East
 - d. West



10. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A?
- Rs. 4, Rs. 23
 - Rs. 13, Rs. 17
 - Rs. 15, Rs. 14
 - Rs. 17, Rs. 13
11. 1, 9, 25, 49, ?, 121. What will come at the place of question mark?
- 100
 - 91
 - 64
 - 8
12. 30, 34, 43, 59, 84, 120, ?
- 169
 - 148
 - 153
 - 176
13. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?
- A
 - S
 - X
 - Z
14. Doctor : Nurse :: ? : Follower
- Employer
 - Leader
 - Worker
 - Manger
15. A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?



- a. West
- b. South
- c. North-East
- d. South-West

16. Choose the word which is different from the rest.

- a. Lizard
- b. Earthworm
- c. Snail
- d. Spider

17. PATEL : FLOWER

- a. salt : pepper
- b. tire : bicycle
- c. base : ball
- d. sandals : shoes

18. Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?

- a. 14
- b. 12
- c. 53
- d. 27

19. The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago?

- a. 71 years
- b. 72 years
- c. 74 years
- d. 77 years

20. Find a pair that is similar to the given pair of numbers:- 180:90

- a. 2 : 1
- b. 64 : 37
- c. 23 : 10
- d. 137 : 112

21. Arrange the words given below in a meaningful sequence.

1. Family 2. Community 3. Member
4. Locality 5. Country

- a. 3, 1, 2, 4, 5
b. 3, 1, 2, 5, 4
c. 3, 1, 4, 2, 5
d. 3, 1, 4, 5, 2

22. Cup is to coffee as bowl is to

- a. dish
b. soup
c. spoon
d. food

23. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

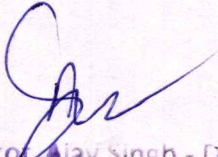
- a. Brother
b. Uncle
c. Cousin
d. Father

24. Seismography : Earthquake :: Taseometer : ?

- a. Landslides
b. Strains
c. Resistances
d. Volcanoes

25. What is the next number in this sequence? 1, 3, 8, 19, 42, 89,..?

- a. 108
b. 184
c. 167
d. 97


Prof. Ajay Singh - Dean
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Uttaranchal University, Dehradun (U.K.)



UTTARANCHAL
UNIVERSITY
NARC GRADE A+

UTTARANCHAL UNIVERSITY, DEHRADUN

School of Applied & Life Sciences

Value Added Course (2022-23)

Course- Verbal & Non-verbal Reasoning Skills

Course Code- VAC-M8

Award Sheet

MAX MARKS-50

S. No.	Enrollment no.	Student's Name	Marks
1	UU222600001	AAYUSHMA SAKLANI	45
2	UU222600002	ABHINAV DHIMAN	42
3	UU222600003	AKASH YADAV	43
4	UU222600004	AMAN KHAN	42
5	UU222600005	ANJALI NEGI	48
6	UU222600006	ANJU	47
7	UU222600007	ANKUSH	43
8	UU222600008	AYUSH BHATT	45
9	UU222600009	AYUSH RAWAT	43
10	UU222600010	HARSH KUMAR	42
11	UU222600011	KASHISH SADANA	48
12	UU222600012	KHUSHI KUNIYAL	47
13	UU222600013	LUCKY SINGH	43
14	UU222600014	MANAV JOSHI	44
15	UU222600015	MOHD AATIF	44
16	UU222600016	PARAS JHALDIYAL	43
17	UU222600017	PRANJAL CHAUHAN	45
18	UU222600018	RAKESH SINGH	42
19	UU222600019	SAARTHAK AWASTHI	46
20	UU222600020	SACHIN NAUTIYAL	44
21	UU222600021	SAKSHI PANT	48
22	UU222600022	SAURAV KUMAR TAMTA	47
23	UU222600023	SOURAV SINGH GUSAIN	42
24	UU222600024	SUJAL SHARMA	43
25	UU222600025	SWAPNIL SINGH	45
26	UU222600026	VANSHIKA PARASHAR	44

WA

Prof. Ajay Singh - Dean
School of Applied & Life Sciences
Uttaranchal University, Dehradun (U.K.)