Regional Institute of Education
Bhubaneswar, Odisha

2.4.13 Comprehensive appraisal of interns' performance is in place. The criteria used for assessment include

1. Effectiveness in class room teaching

2. Competency acquired in evaluation process in schools

3. Involvement in various activities of schools

4. Regularity, initiative and commitment

1.Effectiveness in class room teaching

REGIONAL INSTITUTE OF EDUCATION,NCERT,BHUBANESWAR
MARK DISTRIBITION-B.Ed. School Internship

Activity	Component	Minimum Number	Maximum Marks	Internal-by the faculty of the Institute	External by the Mentor School Teachers and Head Teachers
1	Demonstration and criticism classes by student teachers in group (16-17 students in group)	2 criticism lesson (1 in each pedagogy course)	10 (5+5)	10	--
2	Observation record of classes taught by mentor teachers/regular teachers	10 (05 in PC-1 and 05 in PC-2)	10(5+5)	10	--
3	Unit Plan	2 in each subject/pedagogy	10 (5+5)	10	--
4 (A)	Lesson Plan (PC-1)	50 Lesson Plan 10 Lesson Notes	10	10	--
(B)	Lesson Plan(PC-2)	50 Lesson Plan 10 Lesson Notes	10	10	--
5	Classroom observation record of peers	20 Lesson (10 in PC-1 and 10 in PC-2)	10 (5+5)	10	--
6	Records of participation/organization in curricular activities	1	10	10	--
7	Records of school profile	1	10	10	--
8	Action Research	1	20	20	--
9	Student Assessment Records	2 (one for each subject)	20 (10+10)	20	
10	Teaching Learning Resources	All	10 (5+5)	--	10
11	Reflective Diary	1	10	10	--
12	Assessment by mentor teacher(s)/HM/Principal /Inst supervisors based on overall performance in school including teaching and participation in other school activities	60 lesson in PC-1 and 60 lesson in PC-2	80	40= (PC-1(20)+ PC-2(20)	40= (PC-1(20)+ PC-2(20)
13	Overall Assessment of Trainee by Head Teacher/Principal		10		10
14	Presentation of reflections on internship experiences (Post Internship)		20	20	--
	Total for III Semester		250	190	60

Dr. Laxmidhar Behera
Professor
Department of Education
Regional Institute of Education
National Council of Educational Research & Training
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क्षेत्रीय शिक्षा संस्थान, भुवनेश्वर
REGIONAL INSTITUTE OF EDUCATION, BHUBANESWAR-751022
(राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद)
(National Council of Educational Research & Training)

2 Year B.Ed. (Arts), 2nd Year (Sem-III) - 2018-19 (EF 3 INTERNSHIP)
Marks of Different Activities

Sl. No	Roll No.	Name	1 (10)	2 (10)	3 (10)	4.A (10)	4.B (10)	5 (10)	6 (10)	7 (10)	8 (20)	9 (20)	10 (10)	11 (10)	12.A.1 (20)	12.A.2 (20)	12.B.1 (20)	12.B.2 (20)	13 (10)	14 (20)	Total (250)
1	1	Abhipsa Sahoo	8	9	8	9	8	8	9	9	18	16	9	9	17	17	18	19	9	17	217
2	2	Abhisek Panda	8	8	7	9	8	6	6	7	17	13	9	8	17	17	16	17	6	16	195
3	3	Abhishek Pratap Gohil	8	9	8	8	9	8	7	9	18	16	9	8	17	16	17	17	6	17	207
4	4	Aditya Majee	8	8	7	8	7	7	7	7	17	12	8	8	16	16	16	16	7	17	192
5	5	Aiswarya Rath	9	9	8	8	9	7	8	8	18	13	9	7	18	17	19	19	9	17	212
6	6	Anamika Mishra	8	8	8	9	9	8	9	9	18	12	9	7	18	17	19	18	9	16	211
7	7	Anil Kumar Das	8	7	7	7	6	7	5	7	16	12	8	8	17	17	18	18	9	16	193
8	8	Anita Rath	8	8	8	8	9	8	9	9	17	13	9	8	17	17	17	18	7	16	206
9	9	Ankita Chatterjee	8	8	8	9	9	7	9	8	17	10	6	8	17	18	17	17	9	16	201
10	10	Annushree	8	8	8	8	8	7	9	8	16	10	6	7	17	16	16	17	9.5	16	195
11	11	Arnab Kumar Beura	8	9	7	9	7	9	8	8	17	11	9	8	19	19	18	18	9.5	16	210
12	12	Arpita Hansda	8	8	7	8	8	7	7	9	18	11	9	8	17	17	17	18	5	16	198
13	13	Basanti Behera	7	7	7	7	7	8	8	8	16	10	9	7	16	16	17	16	7	14	187
14	14	Deepak Kumar	8	8	7	7	9	8	9	7	17	13	9	8	16	16	18	18.5	9	14	202
15	15	Dimple Kumari	8	7	8	8	9	8	9	8	17	11	8	7	17	17	19	19	9	15	204
16	16	Indira Patra	7	6	7	7	8	8	8	7	16	10	9	8	17	17	18	19	9	15	196
17	17	Isha Bairagi	9	9	8	8	9	8	9	9	19	14	9	8	18	18	19	19	8	17	218
18	18	Jayashree Behera	8	8	8	8	8	6	8	7	17	16	9	8	17	17	18	17	7	16	203
19	19	Kishan Kumar	8	8	7	7	7	7	6	8	16	15	8	8	18	17	19	19	9	16	203
20	20	Kumari Dipika	8	8	8	8	9	8	7	9	16	16	9	7	16	16	17	18	6	16	201

(I. P. Gowramma)   (R. K. Mohalik)   (E. Gangmei)   (R. R. Sethy)   (P. Kishore)   (S. Poddar)   (S. Kumar)   (A. Kumar)   (U. Ray)   (L. Behera)   (B. N. Kunda)

B.SC B.Ed - 7th semester

School Internship (EF-2)

S.L No	Roll No	Name	Assessment by mentor teacher(s)/HM/ Principal /Inst supervisors	Overall Assessment of Trainee by Head Teacher/ Principal	Presentation of reflections on internship experiences (Post Internship)	Total Marks		
			120	40	20	350		
1	1	Abhinav Anand	110	38	17	304		
2	2	Abhishek Roy	115	36	15	313		
3	3	Aisha Afrin	115	32	15	317		
4	4	Akanksha Kumari	110	36	18	302		
5	5	Amit Mukherjee	115	38	16	312		
6	6	Ankit Roy	112	32	16	301		
7	7	Ankur Sarkar	110	40	17	306		
8	8	Aswin Adhikari Sharma	108	38	18	295		
9	9	Bapi Majhi	115	40	15	313		
10	10	Basana Bhakta	110	40	16	307		
11	11	Bidisha Jana	105	38	17	294		
12	12	Dewanshu Mishra	102	38	18	293		
13	13	Gaurav Kumar	104	38	18	280		
14	14	Gunjarani Lakra	115	36	16	311		
15	15	Jeevanjit Dash	110	36	17	288		
16	16	Kalpana Kumari	108	36	18	288		
17	17	Khusboo Kumari	107	37	17	288		
18	18	K. Sanjay Singh	100	32	18	262		
19	19	Kiran Kumari	108	38	16	300		
20	20	Krishanu Singha	115	40	15	318		
21	21	Kunal Kishore	108	32	18	296		
22	22	Lipika Kalindi	105	38	16	292		
23	23	Monniesha Mohapatra	107	36	17	293		
24	24	Mukesh Kumar Rout	112	36	16	304		
25	25	N. Naveen Rao	105	38	16	308		

क्षेत्रीय शिक्षा संस्थान, भुवनेश्वर

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(National Council of Educational Research & Training)

2 Year B.Ed. (Science), 2nd Year (Sem-III)- 2020-21 (INTERNSHIP)
Marks of Different Activities

Sl. No	Roll No.	Name	1	2	3	4.A	4.B	5	6	7	8	9	10	11	12.A.1	12.A.2	12.B.1	12.B.2	13	14	Total
															18	18	18	18	10	16	210
1	1	Ajit Kumar	8	8	9	8	9	8	7	9	18	14	6	8	18	18	18	18	10	16	200
2	2	Anita	8	8	8	7	8	7	7	8	16	12	5	8	18	18	18	18	10	16	203
3	3	Aparna Barik	8	8	7	9	8	8	4	8	17	14	6	8	18	18	18	18	10	14	212
4	4	Ashish Kumar Dalei	8	8	9	9	9	8	8	9	17	15	9	7	18	18	18	18	10	16	208
5	5	Bidisha Chakraborty	8	8	8	9	8	8	6	8	18	14	7	8	18	18	18	18	10	14	206
6	6	Bijay Patri	8	8	9	9	8	7	8	9	16	15	6	7	18	18	18	18	10	16	212
7	7	Buddhanath Behera	8	8	9	9	9	7	8	9	18	15	6	8	18	18	18	18	10	14	213
8	8	Dibyajyoti Prusty	8	8	9	8	8	9	7	9	17	17	10	7	18	18	18	18	10	16	210
9	9	Diptimayee Sahoo	8	8	9	9	8	7	6	9	17	16	7	8	18	18	18	18	10	16	203
10	10	Hari Shankar	8	8	7	7	9	7	7	9	15	14	6	8	18	18	18	18	10	16	220
11	11	Ipsita Mohanty	8	8	8	10	9	7	9	9	18	18	10	8	18	18	18	18	10	16	211
12	12	Iti Spardha	8	8	9	9	8	7	8	9	18	14	7	8	18	18	18	18	10	16	215
13	13	Kalyani Swain	8	8	9	9	8	8	9	9	18	16	7	8	18	18	18	18	10	16	209
14	14	Koyel Rana	8	8	8	8	8	9	6	9	17	16	6	8	18	18	18	18	10	16	210
15	15	Lokesh Kumar	8	8	9	9	9	7	7	9	15	17	6	8	18	18	18	18	10	16	210
16	16	Moumita Murmu	8	8	8	9	9	7	8	8	18	15	6	8	18	18	18	18	10	16	209
17	17	Nelufa Yasmin	8	8	7	7	8	9	6	9	18	17	6	8	18	18	18	18	10	20	219
18	18	Omkar Anwes	8	8	8	9	9	9	6	9	19	14	8	10	18	18	18	18	10	16	208
19	19	Pawan Paswan	8	8	8	9	9	7	6	9	15	16	6	8	18	18	18	18	10	18	204
20	20	Piyush Kumar	8	8	8	7	7	9	6	8	16	14	4	9	18	18	18	18	10	16	214
21	21	Preetisudha Dash	8	8	9	9	9	8	8	9	18	15	7	8	18	18	18	18	10	16	210
22	22	Priyanka Kumari	8	8	8	9	8	7	8	9	18	14	7	8	18	18	18	18	10	16	213
23	23	Puja Kumari	8	8	8	9	8	8	8	8	18	16	8	8	18	18	18	18	10	16	

(Pramod Kumar)

(A.Kumar)

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(National Council of Educational Research & Training)
STUDENT LIST : 2021-22

4 Year B.Sc.B.Ed. (PCM&CBZ) 4th Year (Sem-VII & VIII)

Roll No.	Name of the Students	Particip. in cur. Act.(F.M-10)	School Profile(F.M-10)	Reflective Diary	Act. Rea.(20)	Unit Plan(20)	L.P (Pc-1)	L.p(pc-2)	Stu.Ass.(20)	Class.Obs. (20)	TLR(10)	PC-1(60)	PC-2(60)	ASS. BY PRINCIPAL(40)	REFLECTION(20)	DEMO.(10)	TOTAL
1	Abhishek Kumar Sharma	6	8	7	16	17	18	17	14	17	7	43	42	26	18	7	263
2	Aditya Bhargav	6	8	7	16	16	15	16	14	18	7	48	46	30	17	7	271
3	Aishi Bhuniya	8	10	9	16	16	19.5	19	18	16	8	50	50	27	18	7	292
4	Akshay Kumar Diwakar	7	9	8	15	15	18	16	18.5	16	8	52	43	29	19	8	282
5	Alisha Samal	9	9	9	18	16	18	19	19	16	7	42	45	28	16	6	277
6	Anjali Kumari	8	9	9	19	17	19	19	18	16	7	43	41	27	17	7	276
7	Ankit Anand	7	8	8	15	16	17	18	14	16	8	52	51	32	15	8	285
8	Anoj Kumar Sah	7	10	6	16	16	16	17	15	16	9	50	52	31	19	8	288
9	Anshuman Pradhan	7	10	7	17	15	17	16	17	17	8	48	48	29	17	6	279
10	Aprubananda	7	9	8	16	16	16	16	17	17	9	54	51	32	19	9	296
11	Archana Sharma	8.5	9	8	17	16	19	19	17	16	9	44	50	33	19	9	294
	Arnab Karmakar	6	7	9	15	15	18.5	19	18	16	7	45	48	22	17	6	269

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(National Council of Educational Research & Training)

2 Year B.Ed. (Science), 2nd Year (Sem-III)- 2020-21 (INTERNSHIP)
Marks of Different Activities

Sl. No	Roll No.	Name	Max Mark → 10 (1)	10 (2)	10 (3)	10 (4.A)	10 (4.B)	10 (5)	10 (6)	10 (7)	20 (8)	20 (9)	10 (10)	10 (11)	20 (12.A.1)	20 (12.A.2)	20 (12.B.1)	20 (12.B.2)	10 (13)	20 (14)	250 (Total)
1	1	Aditi Dhali	7.5	7	8.5	8.5	7.5	8	8	8.5	17	19	8	8	20	20	17.5	17.5	9	15	215
2	2	Ajay Hembram	7.5	8	8	7.5	7.5	8	8	8	16	17	9	7.5	19	18	17.5	17.5	9	17.5	211
3	3	Akash Thakur	7.5	8.5	7.5	8.5	8.5	7.5	7	8	15	18	9	8	18	18	17.5	17.5	8	16	208
4	4	Alibharani Sahu	8	8.5	8	8	8.5	7	7	8	16	17	7	8	17	18	17.5	17.5	8	17	206
5	5	Amarjeet Mishra	9	9	9	8	7.5	8	8	9	18	19	8	8.5	19	19	17.5	17.5	10	19	223
6	6	Amisha Prasad	7.5	7	8	8	8.5	7.5	7	8.5	18	17	8	8	20	20	17.5	17.5	9	16	213
7	7	Amit Kumar Jena	7.5	7	8	8	7.5	8	8	8	17	18	8	7.5	19	19	17.5	17.5	8	17.5	211
8	8	Amlan Das	7.5	8	8	8	7	7.5	6	8.5	17	19	8	8	17	18	17.5	17.5	8	18	209
9	9	Amrita Kumari Mishra	7.5	8.5	9	8	8.5	8	8	8	17	17	8	8.5	19	18	17.5	17.5	9	19	216
10	10	Ankita Singh	7.5	8.5	8	9	9	8.5	8	8.5	18	17	8	8	19	19	17.5	17.5	9	17	217
11	11	Ayan Pramanik	6.5	7	6.5	7	6	6	6	6.5	16	16	6	6	15	16	17.5	17.5	5	16	183
12	12	Barkha Nandi	8	8.5	8	8	7.5	8	8	8	17	18	7	8	18	18	17.5	17.5	8	18	211
13	13	Bishnu Bibhab Dash	7.5	8	8	7	7	8	8	8	17	17	9	7	17	16	17.5	17.5	8	16.5	204
14	14	Chandrima Mondal	8	7	7.5	6.5	7	7	9	8	16	18	7	8	18	17	17.5	17.5	8	17	204
15	15	Chinmaya	7.5	8	7	8	8	8	8	6.5	17	17	7	8	16	17	17.5	17.5	9	19	206
16	16	Debajani Gouda	8	8	8.5	8.5	7.5	8	9	6.5	18	17	9	8	18	19	17.5	17.5	8	18	214
17	17	Dibyajyoti Dash	8	7	7	8	8.5	8	9	8	17	18	9	8	18	18	17.5	17.5	9	17.5	213
18	18	Dimple Kumari	8	8	8	8.5	9	8	8	8.5	18	19	8	8	17	17	17.5	17.5	8	18.5	215
19	19	Dipti Patel	8.5	7	9	7	8	8	8	9	16	17	8	6	20	18.5	17.5	17.5	10	17.5	213
20	20	Gautam Kumar	8	8	7.5	8	8	7	8	7.5	17	17	6	8	17	18	17.5	17.5	8	16.5	205
21	21	Jayashree Nayak	8.5	9	9	9.5	9.5	8.5	8	9	18	18	9	8.5	17	17	17.5	17.5	7	18	220
22	22	Jharna Pradhan	8.5	8	8.5	8.5	8.5	8	7	8.5	18	18	7	8	19.5	19	17.5	17.5	9	19	218

L to F

Regional Institute of Education (NCERT), Bhubaneswar
Learning to function as Teacher (Internship in Teaching), B.A.B.Ed, Semester-VII - 2019
Evaluation and Scheme of Assessment

Teaching	1 Lesson Planning (Record Maintenance)		2 Development of scheme of lessons & activities		3 Record on Observation of peer teaching		4 Administration of Achievement tests and its analysis / identification of slow Learners / talented children		5 Record on School site and participation of School activities	6 Preparation of Instructional materials / Teaching aids exhibition Assessment of Activities of Pupil-Teachers by Head of School	7 Total Mark
	Sub -I	Sub-II	Sub-I	Sub-II	Sub -I	Sub-II	Sub -I	Sub-II			
Max. Marks	35	35	10	10	10	10	10	10	10	10	150
Roll No.											
1	34	33	9	9	10	10	10	10	10	10	145
2	34	33	8	9	10	10	9	10	10	10	143
3	34	34	9	9	10	10	10	10	9	10	145
4	34	33	10	10	9	10	10	10	10	10	146
5	33	34	9	10	10	9	10	10	10	10	145
6	34	34	10	10	9	10	9	10	10	10	146
7	34	33	10	9	10	10	10	9	10	9	144
8	31	31	9	9	8	9	9	9	9	10	134
9	31	31	9	9	9	9	8	9	9	10	134
10	32	31	9	8	9	8	9	9	9	10	134
11	33	33	8	9	10	9	9	9	9	10	139
12	32	31	9	9	9	9	9	9	9	10	136
13	31	32	9	9	9	10	9	9	9	10	137
14	33	31	9	9	9	9	9	8	9	10	136
15	34	34	9	9	9	9	10	10	10	10	144
16	34	34	9	9	9	9	10	10	10	10	144
17	34	34	9	9	9	9	10	10	10	10	144
18	34	34	9	9	9	9	9	10	10	10	143
19	34	34	9	9	9	10	10	10	10	10	145
21	34	34	9	9	9	10	10	10	10	10	145
22	34	34	9	9	10	9	9	10	10	10	144
23	34	34	8	9	8	9	9	9	9	9	138
24	34	34	10	9	10	9	9	9	9	9	142
26	34	34	9	9	9	9	9	9	9	9	140
27	34	34	9	9	9	9	9	9	9	9	140
28	34	34	9	9	9	9	9	9	9	9	140
29	34	34	9	9	9	8	9	9	9	9	139
30	34	34	9	9	9	9	9	9	9	8	139
31	34	33	9	9	10	10	10	10	10	10	145
32	33	34	8	9	10	10	9	10	10	10	143
33	34	34	9	9	10	10	10	10	10	10	146
34	33	34	10	10	9	9	10	9	10	10	144

Bibhu Ach...
23. 9. 19

BIOLOGICAL SCIENCE

Blue Print of Test 1:-

Subject — Science
Chapters — 1. Crop Production and Management.
    2. Micro-organisms : Friends & Foe.
    3. Force and Pressure.

Class — VIII

Full Marks = 40
Total Time = 1.5 hrs.

ACTUAL DRAFT :-

SUBJECT FORM OF QUESTIONS –	REMEMBERING				UNDERSTANDING				APPLICATION				ANALYSIS			
	LONG ANS.	SHORT ANS	VERY SHORT ANS	OBJ	LONG ANS	SHORT ANS	VERY SHORT ANS	OBJ.	LONG ANS	SHORT ANS	VERY SHORT	OBJ.	LONG ANS	SHORT ANS	VERY SHORT	OBJ.
UNIT 1 – Crop Production and Management		1×2 =2		5×1 =5					2×1 =2							
UNIT 2 – Micro-organisms: Friends and Foe		2×2 =4 / 2×2 =4		9×1 =9	1×1 = 1					1×1 =1						
UNIT 3 – FORCE and Pressure				5×1 =5	2×2 =4	2×1 = 2	1×1 =1		4×1 =4							
Total = (40)		06		19	4	3		1	4	2	1					

≫ _Weightage to Difficulty Level –_

Difficulty Level	Marks Alloted	% of Marks
• EASY	20	50%
• MODERATE	16	40%
• DIFFICULT	04	10%

➢ Weightage To Constituent Chapters -

CHAPTERS	No. of Questions	Marks	Time Alloted
Crop Production and Management	08	09	30 minutes
Micro-organisms: Friends & Foe.	13	15	30 minutes
Force and Pressure	10	16	30 minutes
TOTAL =	31 (Including objectives)	40.	90 minutes.

➢ Weightage To Objectives -

Objectives	Marks Alloted	Time
• Remembering	25	30 minutes
• Understanding	08	35 minutes
• Application	07	25 minutes
• Analysis	- -	- -
Total =	40	90 minutes

➢ Weightage To Types Of Questions -

Types of Questions	Marks Alloted	Time Alloted
• Objective Type	20	20 minutes
• Very Short Answer	04	20 minutes
• Short Answer Type	12	30 minutes
• Long Answer Type	04	20 minutes
Total =	40	90 minutes.

ACHIEVEMENT TEST

Question Paper :-

Jawahar Navodaya Vidyalaya

Class 8

Subject Science

Section A   [4 × (5×1) = 20]

(Qn1.) Fill In the Blanks –

(i) The supply of water to crops at regular intervals is called ____.

(ii) Undesirable plants are called as ____.

(iii) Disease causing microorganisms are called as ____.

(iv.) When a disease carrying microbe enters our body, the body produces ____.

(v.) The strength of a force is usually expressed by its ____.

(Qn2.) State Whether these sentences are true or false. –

(i.) Tube well is a source of irrigation.

(ii.) Pumps are commonly used for lifting water.

(iii.) Muscular force is a non-contact force.

(iv.) Rhizobium lives in the root nodules of leguminuous plants.

(v.) In the process of pasteurization, milk is heated upto 90°C.

(Qn. 3.) Match the following –

Column A	Column B
(i.) Citrus Canker	(A.) Fluid Pressure.
(ii.) Manometer	(B.) Virus.
(iii.) Rust of Wheat	(C.) Bacteria.
(iv.) Barometer	(D) Fungi.
(v.) Measles	(E.) Atmospheric Pressure.

(Qn 4.) Choose the correct Answer (MCQs) —

(i.) The process of loosening and turning of soil is called as
(A.) Tilling   (B) Ploughing   (c) Both A & B   (D.) NOTA.

(ii.) Which of these is a preservative?
(A.) Sodium Benzoate   (B) Sodium Bicarbonate
(c.) Sodium Hydroxide   (D) Sodium chloride.

(iii.) Which of the following is an antibiotic?
(A.) Alcohol   (B) Streptomycin
(C.) Sodium Meta bisulphate   (D.) Yeast.

(iv.) What is force?
(A.) Push   (B) Pull   (C.) Both A and B   (D) None of the above.

(v.) What is the unit of Force?
(A.) Watt   (B.) Pascal   (c.) Joule   (D.) Ohm.

<u>Section B</u>   [4×1 = 4]

(Qn 5.) Why is Vinegar used in the preparation of pickle?

(Qn 6) What role does sugar play in food preservation?

(Qn 7.) Why do our lungs expand during inhalation?

(Qn 8.) How can we increase the pressure by exerting same force?

Section - C $[6 \times 2 = 12]$

(Qn.9.) List any two advantages of manure.

(Qn 10.) Differentiate between contact and non-contact forces.

(Qn 11.) Describe the state of motion of an object.

(Qn 12.) What are communicable diseases?

(Qn 13) Explain fermentation.

(Qn 14.) Differentiate between Rabi and Kharif crops.

Section - D $[4 \times 1 = 4]$

(Qn 15.) Explain in detail the modern methods of irrigation.

ANSWER KEY OF CLASS 8 Question Paper:-

(Qn 1.)(i.) Irrigation.

(ii.) Weeds.

(iii.) Pathogen

(iv.) Antibodies

(v.) Magnitude.

(Qn 2.)(i.) True.

(ii.) True.

(iii.) False.

(iv.) True

(v.) False

(Qn 3) (i.) Citrus Canker — (C.) Bacteria

(ii.) Manometer — (A) Fluid Pressure (B.) ~~Atmospheric Pressure~~

(iii.) Rust of Wheat — (D) Fungi

(iv.) Barometer — (AE) ~~Fluid Pressure~~ Atmospheric Pressure.

(v.) Measles — (B) Virus

(Qn 4.) (i.) (C.) Both A and B.

(ii.) (A) Sodium Benzoate

(iii.) (B) Streptomycin

(iv.) (c) Both A and B

(v.) Newton.

Section B :-

(Qn 5.) Reason — Vinegar prevents spoilage of pickles as bacteria cannot live in such an environment.

(Qn 6) Sugar reduces the moisture content which inhibits the growth of bacteria which spoil food.

(Q7.) When we inhale, muscles increase the size of our chest cavity and expand our lungs. This increases their volume, so pressure inside the lung decreases. As a result, outside air rushes into the lungs and lungs expand.

(Q8.) The pressure can be increased by decreasing the surface area.

Section - C :-

(Q9.) • enhances water holding capacity
• makes soil porous due to which exchange of gases becomes easy.
• it increases the number of friendly microbes
• improves the texture of soil.

(10.)

CF	NCF
direct contact	No direct contact
No Field linked	Also Always field linked

) objects have two natural sate states of motion,
At Rest and In Motion ie, moving at a constant speed and direction (static equilibrium and dynamic equilibrium respectively)

) Communicable diseases are spread/transmitted from one person or animal to another or from a surface to a person via air, water, food or direct contact.
Example- Common cold, Cholera, Chickenpox, Tuberculosis.

The process of conversion of sugar into alcohol is known as fermentation. Fermentation refers to the metabolic process by which organic molecules are converted into acids, gases or alcohol in the absence of oxygen or any electron transport chain.

Rabi Crop	Kharif Crop
Winter Season (October to March)	Rainy Season (June to September)
ⓅWheat, gram, pea, mustard and linseed.	Wheat, gram, pea, mustard, linseed Paddy, Maize, Soybean, Cotton, Groundnut.

Section D $[1 \times 4 = 4]$

(Qn 15.) The main modern methods of irrigation are as follows -

① Sprinkler System -

- This system is more useful on the uneven land where sufficient water is not available.
- The perpendicular pipes having rotating nozzles on top, are joined to the main pipeline at regular intervals. When
- water is allowed to flow through the main pipe under pressure with the help of a pump, it escapes from the rotating nozzles.
- It gets sprinkled on the crop as if it is raining.
- Useful for lawns, coffee plantation and several other crops.

② Drip System -

- In this system, the water falls drop by drop directly near the roots. So, it is called drip system.
- It is the best technique for watering fruit plants, gardens and trees,
- Water is not wasted at all.
- It is a boon in regions where availability of water is poor.

JAWAHAR NAVODAYA VIDYALAYA

UNIT TEST

CLASS 8

SUBJECT SCIENCE

Full Marks [40]

SECTION A   [4x(5x1)=20]

1. Fill In the Blanks-

   i.   The supply of water to crops at regular intervals is called
   _____

   ii.   Undesirable plants are called as _____
   iii. Disease causing microorganisms are called as _____
   iv.   When a disease carrying microbe enters our body, the body produces
   _____

   v.   The strength of a force is usually expresses by its _____

2. State whether these sentences are true or false-

   i.   Tube well is a source of irrigation.
   ii.   Pumps are commonly used for lifting water.
   iii. Muscular force is a non- contact force.
   iv.   Rhizobium lives in the root nodules of leguminous plants.
   v.   In the process of pasteurization, milk is heated up to 90 degree Celsius.

3. Match the following-

   Column A   Column B

   i.   Citrus Canker   A. Fluid Pressure
   ii.   Manometer   B. Virus
   iii. Rust of Wheat   C. Bacteria
   iv.   Barometer   D. Fungi
   v.   Measles   E. Atmospheric pressure

4. Choose the correct Answer-

   i.   The process of loosening and turning of the soil is called as
         A. Tilling
         B. Ploughing
         C. Both A and B
         D. None of the above

   ii.   Which of these is a preservative?
         A. Sodium Benzoate

B. Sodium Bicarbonate
C. Sodium Hydroxide
D. Sodium Chloride

iii. Which of the following is an antibiotic?
A. Alcohol
B. Streptomycin
C. Sodium Meta bisulphate
D. Yeast

iv. What is force?
A. Push
B. Pull
C. Both A and B
D. None of the Above.

v. What is the unit of ~~Force?~~ Pressure
A. Watt
B. Pascal
C. Joule
D. Ohm

SECTION B   [4x1=4]

5. Why is Vinegar used in the preparation of pickle?
6. What role does sugar play in food preservation?
7. Why do our lungs expand during inhalation?
8. How can we increase the pressure by exerting same force?

SECTION C   [6x2=12]

9. List ant two advantages of manure.
10. Differentiate between contact and non-contact forces.
11. Describe the state of motion of an object.
12. What are communicable diseases?
13. Explain fermentation.
14. Differentiate between Rabi and Kharif crops.

SECTION D   [4x1=4]

15. Explain in detail the modern methods of irrigation.

JAWAHAR NAVODAYA VIDYALAYA

UNIT RE-TEST

CLASS 8

SUBJECT SCIENCE

[40]

Full Marks

SECTION A   [4x(5x1)=20]

1. **Fill In the Blanks-**
   i.   Plants of the same kind cultivated at one place on a large scale is called as
        _____
   ii. The substances which are added to the soil in the form of nutrients are called
        as _____ and _____
   iii. Weeds are controlled by using certain chemicals called as
        _____
   iv. The S.I unit of force is _____

2. **State whether these sentences are true or false-**
   i.   A simple tool used for removing weeds is called as hoe.
   ii. Canals are a source of irrigation.
   iii. Frictional force is a non- contact force.
   iv. Rhizobium lives in the root nodules of non-leguminous plants.
   v.   In the process of pasteurization, milk is heated up to 70 degree Celsius.

3. **Match the following-**

Column A	Column B
i. Rabi crop	A. Baking of bread
ii. Kharif crop	B. Female Anopheles mosquito
iii. Diseases	C. Winter season
iv. Bacteria	D. Pathogens
v. Malaria	E. Rainy season
	F. Summer season

4. **Choose the correct Answer-**
   i.   Yeast is used in the production of
        A. Sugar
        B. Alcohol
        C. Oxygen
        D. Carbon
   ii. Which of these are fertilisers?
        A. Urea
        B. Super Phosphate

C. Potash

D. All of the above.

iii. Which of the following is an antibiotic?

A. Alcohol

B. Streptomycin

C. Sodium Meta bisulphate

D. Yeast

iv. Traditional methods of irrigation are?

A. Moat or pulley system

B. Rahat or lever system

C. Both A and B

D. None of the Above.

v. What is the unit of Pressure?

A. Watt

B. Pascal

C. Joule

D. Ohm

SECTION B   [4x1=4]

5. What is force?

6. What is winnowing?

7. What is harvesting?

8. How can we prevent the spread of malaria?

SECTION C   [6x2=12]

9. What are the major groups of microorganisms?

10. Differentiate between contact and non-contact forces.

11. What is animal husbandry?

12. What are communicable diseases?

13. Explain Threshing.

14. Draw the figure of any one microorganism given in your textbook.

SECTION D   [4x1=4]

15. Explain in detail the different methods of food preservation used in our homes.

3. Involvement in various activities of schools

All the pictures are about Newton's disc model – adapting play way and experimental techniques.

Welcoming AC to School

Achievement Board.

Teacher's Day Picture.

Teacher's Day picture.

One with the students

Picture on Supervision Day - Bej Sir from C

Taking classes using Smart Board.

Students performing during regional sport meet.

Me as a student teacher taking classes using ICT as a resource + smart board.

Aquarium

Bulletin Board.

Gifted Pictures

School Aesthetics

Extra Classes.

Assembly Area

Picture with Principal on the reporting day.

PRINCIP
JNV, Kal
Nadia(

Model of Newton's disc in Science Park) (Model of Newton's Cradle.
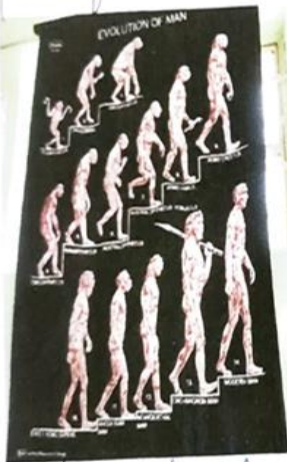
Poster in Biology Lab.   Model of DNA.   Soil collection for Meri Mitti Mera Desh.

Poster for Meri Mitti, Mera Desh

All the pictures are related to morning PT sessions.

Poster for Swachchata
Pakhwada.

Teacher's Day Picture with Principal.

A view of the main gate at JNV,
Nadia.

Girls Hostel at JNV, Nadia.

Teacher's Day Performance.

Science Club Activities.

Children playing Kho- Kho.

Regional Science
Meet Poster.

Regular Science Teacher taking class

Peer taking Class.

Me - taking class

A view of the badminton court.

[Peer teacher taking class]

Peer teacher taking class

Regular Science Teacher taking class.

PRINCIPAL
JNV Kalyani
Nadia(W.B.)

Me as a student teacher taking classes using ICT as a resource - smart board.

Aquarium

Bulletin Board.

Gifted Pictures

School Aesthetics

Extra Classes.

Assembly Area

Picture with Principal on the reporting day.

PRINCIPAL
JNV, Kalyani
Nadia (W.B.)

4. Regularity, initiative and commitment

REGISTER OF ARRANGEMENT / रजिस्टर व्यवस्था
FOR TEACHER'S WORKS / अध्यापक कार्य

Arrangement for _Ms Anju, A. Alam, A.K. Sahu_ 's Work FCSA
From / से ____ 20 ____ To / तक ____ 20 ____

अन्तराल Period	कक्षा एवं विभाग Class & Sec.	विषय Subject	दिनांक Date	अध्यापक का नाम Name of Teacher	हस्ताक्षर Signature
प्रथम/1st	VIII B	Hindi	14 $\frac{12}{22}$	md. minatullah.	
द्वितीय/2nd	VII B	S.Sc.	do	Sana Sayeed	
तृतीय/3rd	VIII A	Hindi	14 $\frac{12}{22}$	Priti sharma (Counceller)	
चतुर्थ/4th	VI B	Hindi	do	Jyoti Kanchan	
पंचम/5th	VI A	do	do	Jyoti Kanchan	
षट्/6th 4th	IX A	maths	do	Navir Kumar Hussain	
सप्तम/7th 5th	IX B	do	do	Priti sharma Jyoti Ganchan	
अष्टम/8th 2nd	VI A	FCSA	do	Shanka	
नवम/9th 3rd	VI B	do	do	manjit kumar	

कक्षा .... विभाग .... का उपस्थिति एवं शुल्क रजिस्टर
.... will please hold charge of Attendance & Fee Register of Class .... Section ....

.... प्रधानाचार्य/ Principal

दिनांक/ Dated ....

Arrangement for _A. Alam. A.K. Sahu_ 's Work
From / से ____ 20 ____ To / तक ____ 20 ____

अन्तराल Period	कक्षा एवं विभाग Class & Sec.	विषय Subject	दिनांक Date	अध्यापक का नाम Name of Teacher	हस्ताक्षर Signatur
प्रथम/1st	X B	maths	14 $\frac{12}{22}$	Akash kumar	
द्वितीय/2nd	X A	do	do	Abhishek kumar	
तृतीय/3rd	VIII B	S.Sc	14 $\frac{12}{22}$	MD. minatullah	
चतुर्थ/4th	VII A	do	do	A. kumar	
पंचम/5th	VIII A	do	do	Akash kumar Manish Kumar	
षट्/6th	VI B	do	do	Saranya kumch	
सप्तम/7th	VI A	do	do	Saranya kumch	
अष्टम/8th 5th	XI Hum	FCSA	do	S. Ghosh	
नवम/9th 6th	VIII B	do	do	A kash kumar	

कक्षा .... विभाग .... का उपस्थिति एवं शुल्क रजिस्टर
.... will please hold charge of Attendance & Fee Register of Class .... Section ...

.... प्रधानाचार्य/ Prin

REGISTER OF ARRANGEMENT / रजिस्टर व्यवस्था
FOR TEACHER'S WORKS / अध्यापक कार्य

Arrangement for Ms Anju, A. Alam, A.K. Sahu 's Work FCSA

From / से _____ 20 To / तक _____ 20

अन्तराल Period	कक्षा एवं विभाग Class & Sec.	विषय Subject	दिनांक Date	अध्यापक का नाम Name of Teacher	हस्ताक्षर Signature
प्रथम/1st	VIII B	Hindi	14/12/22	mo. minatullah.	
द्वितीय/2nd	VII B	S.SC.	do	Sana Sayeed	
तृतीय/3rd	VIII A	Hindi	14/12/22	Priti sharma (Complher)	
चतुर्थ/4th	VI B	Hindi	do	Jyoti Kanchan	
पंचम/5th	VI A	do	do	Jyoti Kanchan	
षट्/6th 4th	IX A	maths	do	Navir kumar HbB	
सप्तम्/7th 5th	IX B	do	do	Priti sharma Jyoti Ganchan	
अष्टम्/8th 2nd	VI A	FCSA	do	Shanla	
नवम्/9th 3rd	VI B	do	do	manjit kumar	

कक्षा .... विभाग .... का उपस्थिति एवं शुल्क रजिस्टर
.... will please hold charge of Attendance & Fee Register of Class .... Section ....

दिनांक/ Dated .... प्रधानाचार्य/ Principal

Arrangement for A. Alam A.K. Sahu 's Work

From / से _____ 20 To / तक _____ 20

अन्तराल Period	कक्षा एवं विभाग Class & Sec.	विषय Subject	दिनांक Date	अध्यापक का नाम Name of Teacher	हस्ताक्षर Signature
प्रथम/1st	X B	maths	14/12/22	Akash kumar	
द्वितीय/2nd	X A	do	do	Abhishek kumar	
तृतीय/3rd	VIII B	S.SC	14/12/22	MD. minatullah	
चतुर्थ/4th	VII A	do	do	A. kumar	
पंचम/5th	VIII A	do	do	Akash kumar	
षट्/6th	VI B	do	do	Saranya kumdu	
सप्तम्/7th	VI A	do	do	Saranya kumdu	
अष्टम्/8th 7th	XI Hum	FCSA	do	S. Ghosh.	
नवम्/9th 8th	VIII B	do	do	Akash kumar.	

कक्षा .... विभाग .... का उपस्थिति एवं शुल्क रजिस्टर
.... will please hold charge of Attendance & Fee Register of Class .... Section ....

दिनांक/ Dated ....   प्रधानाचार्य/ Principal

REGISTER OF ARRANGEMENT / रजिस्टर व्यवस्था
FOR TEACHER'S WORKS / अध्यापक कार्य

Arrangement for ms Anju, A. Alam, A.K. sahu's Work FCSA

From / से _____ 20 _____ To / तक _____ 20

अन्तराल Period	कक्षा एवं विभाग Class & Sec.	विषय Subject	दिनांक Date	अध्यापक का नाम Name of Teacher	हस्ताक्षर Signature
प्रथम/1st	VIII B	Hindi	14 12/22	MD. minatullah.	
द्वितीय/2nd	VII B	S.SC.	do	Sana Sayeed	
तृतीय/3rd	VIII A	Hindi	14 12/22	Priti sharma (Counseller)	
चतुर्थ/4th	VI B	Hindi	do	Jyoti Kanchan	
पंचम/5th	VI A	do	do	Jyoti Kanchan	
षट्:/6th 4th	IX A	maths	do	Navir Kumar Hussun	
सप्तम/7th 5th	IX B	do	do	Priti sharma	
अष्टम/8th 2nd	VI A	FCSA	do	Jyoti Kanchan Shanta	
नवम/9th 3rd	VI B	do	do	Manjit kumar	

कक्षा .... विभाग .... का उपस्थिति एवं शुल्क रजिस्टर
.... will please hold charge of Attendance & Fee Register of Class .... Section ....

प्रधानाचार्य/ Principal

दिनांक/ Dated ....

Arrangement for A. Alam, A.K.sahu 's Work

From / से _____ 20 _____ To / तक _____ 20

अन्तराल Period	कक्षा एवं विभाग Class & Sec.	विषय Subject	दिनांक Date	अध्यापक का नाम Name of Teacher	हस्ताक्षर Signature
प्रथम/1st	X B	maths	14 12/22	Akash kumar	
द्वितीय/2nd	X A	do	do	Abhishek kumar	
तृतीय/3rd	VIII B	S.SC	14 12/22	MD. minatullah	
चतुर्थ/4th	VII A	do	do	A. kumar	
पंचम/5th	VIII A	do	do	Akash kumar Manjit kumar	
षट्:/6th	VI B	do	do	Saranya kundu	
सप्तम/7th	VI A	do	do	Saranya kundu	
अष्टम/8th	XI Hum	FCSA	do	S. Ghosh .	
नवम/9th 6th	VIII B	do	do	Akash kumar-	

कक्षा .... विभाग .... का उपस्थिति एवं शुल्क रजिस्टर
.... will please hold charge of Attendance & Fee Register of Class .... Section ....

प्रधानाचार्य/ Princi