

Pune District Education Association's Annasaheb Magar Mahavidyalaya Hadapsar, Pune- 411028 Affiliated to Savitribai Phule Pune University, Pune



Self Study Report: 2024 (4th Cycle)



Criterion – 2 Teaching- Learning and Evaluation

Key Indicator- 2.6 Student Performance and Learning Outcome

ubmitted to

Metric: 2.6.2(QIM) Attainment of POs and COs are evaluated.

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Pune District Education Association's



Annasaheb Magar Mahavidyalaya Hadapsar, Pune – 411028. (Maharashtra)



2.6.2 - Attainment of program outcomes and course outcomes are evaluated by the institution (QLM)

Supporting Documents

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Pune District Education Association's Annasaheb Magar Mahavidyalaya,

Hadapsar, Pune.

Policy Document

On

Out-Come Based Education (OBE) and CO-PO Attainment

Preamble:

The meticulous and stringent educational methodology of Outcome Based Education (OBE) is followed to enrich the student learning through performance outcomes. This curriculum model aims to maximize student learning outcomes by developing their skills by framing them as per vision and mission of our college.

Vision of the College

Becoming an institution of educational excellence by imparting higher education

Mission of the College

'Bhaujan Hitay Bhaujan Sukhay'

• Definitions:

Outcome Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve stated objectives and outcomes by measuring student performance at different levels.

Programme Outcomes (POs) which are the broad statements that describe the professional accomplishments and formulated as per Vision and Mission of the College. **Course outcomes (COs)** are direct statements that describe the essential and enduring disciplinary knowledge, abilities and the depth of learning that is expected upon completion of a course.

• Communication of CO-PO

The POs of the programme, COs of the course of that programme and CO-PO attainments are published, communicated or displayed through:

• Website	Student Induction Programs
Curriculum	• Faculty meetings
Class-room, Laboratories	Alumni meeting
Department Notice Boards	• Parent meetings

Bloom's Taxonomy

 OBE helps the learners to achieve higher order learning levels based on Revised Bloom's Taxonomy, master the courses, and develop different skills as expected in each course from Lower Order thinking skills (LOT) to Higher Order thinking skills (HOT) involved and placed, in the meetings of Head of Department and other course coordinators for discussion and approval.



• In Bloom's taxonomy, action verbs associated with the categories and cognitive processes are often mentioned. Instructors use these verbs to describe activities required for achieving educational objectives corresponding to each level.



(1)

(2)

Guidelines for Writing COs and POs

- As per the Vision & Mission statements of the college and the respective programmes offered, Programme Outcomes (PO) of the specific programme are designed together by the Head of the Department and their faculty members. While formulating POs of each programme, they have considered the academic excellence, research potential, scope of extension activities, human values, recent trends in the job markets and the suggestions of the alumni and other stakeholders.
- The Course Outcomes are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. COs are clearly specified and communicated to the students.

• Guidelines for CO-PO Mapping

• The Course Outcomes (CO) which are stated are mapped to Program outcomes which are used to provide quantitative level (L) of the program outcomes are achieved as, Low/Weak (1) or Medium (2) or High/Strong (3).

• CO-PO Attainment Mechanism

CO Attainment:

- The College uses Direct Assessment method for CO attainment. For each course, the level of attainment of each CO is compared with the predefined targets, and if not attained, the course coordinator takes necessary steps to decide student category and the plan of action for students as:
 - Slow learner (for < 50%)
 - ➢ Average Learners (for 50% to 70%)
 - ➤ Advanced Learners (for >70%)
- The College uses Indirect Assessment method for CO attainment by feedback from
 - Alumni
 - ➢ Employers
 - > Parents

PO Attainment:

• In the Attainment of Program Outcomes, the attainment of course outcomes mapped with each POi with identified quantitative level (L) are evaluated as:

PO attainment, POi = [Sum of all (Lx COi)] / (Sum of all L)

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• Post CO-PO Attainment Mechanism

Programme Outcomes, Course Outcomes, Mapping of COs with POs and the overall result from assessments of all POs are considered on attainment of COs and POs are measured at different stages of the programme in accordance with Continuous Internal Evaluation (CIE) system of the College so that the Course Outcomes are assessed at the completion of each course and the Programme Outcomes are measured at the time of completion of the programme.

After CO attainment of each course, the level of each CO is compared with the predefined targets to decide student category and plan of action as:

Slow learner (for < 50%)

- ➤ Weekly assignment
- ➤ Individual Counselling

Average Learners (for 50% to 70%)

- ➤ Conduction of quiz/orals, mini projects etc.
- Solving previous year question/tests papers

Advanced Learners (for >70%)

- ► Encouraging to present & publish papers in Journals/Conferences
- ➤ Guidance for GATE/ competitive Examination and career building

After PO Attainment of each Program,

- The overall result from assessments of all POs are considered on attainment of the target.
- The analysis of the results will be placed in the department/Academic/ Governing body meetings. The IQAC initiates appropriate steps to ensure quality of the programmes.



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CO-PO Attainments of Courses of some Programmes

CO-PO Attainment: S.Y. B.Sc. Sem. I Course - 232(A) of B.Sc. (Physics) Program

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CO-PO Attainment: F.Y. B.A. Sem. II Course – 12091 of B.A. (Hindi) Program

Sample Question Papers with Course Outcome

	P.D.E.A.'s Annasaheb Magar Mahavidyalaya, Hada Internal Examination 202 S.Y.B.Sc. SemIII(PHYSICS)Paper - II :P	apsar ,Pune – 411 028. 22-2023 2HY-232A Electronics
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Time :	40 min. N.B. : 1) All questions are compulsory with each such that the computed of the second sec	Total Marks : 10 ub question carry equal marks .
Q.1	 i) If A and B are the inputs, then the output of 2 ir A) A.B+A. B B) A.B+A.B C) A+B 	nput OR gate is (CO 5) D) A.B
	ii) The base of Octal Number system is A) 2 B) 8 C) 10	(CO 6) D) 16
	iii) The binary number of (27) ₁₀ is	. <mark>(CO 6)</mark>
	iv) The 2 ohm and 8 ohm resistances are in para resistance is(CO 2)	llel, then their net
	A) 2 B) 1.6 C) 8 D) 10	
	v) The SI unit of resistance is <mark>(CO 1)</mark> A)farad B) Ω C) volt D) henry	
Q.2	State TRUE or FALSE in given :(2.5 M	larks)
	i) The net resistance of resistances R1, R2, F are in parallel is (R1+R2+R3). (CO 1)	R3 which
	ii) The decimal number of (1001) ₂ is 9. <mark>(CO 6</mark>	j)
	 iii)The minority carriers in p-type semicon electrons. (CO 3) 	ductors are
	IN The characters A,B,C,D,E,F are used as F number system. (CO 2)	lex codes in hexadecimal
	 NOR and NANDgates are universal gates 	s.(<mark>CO 4)</mark>

	S.Y.B.Sc.Sem-I (22-23) PHY – II Pag
Q.3 Answer the following :	(5 Marks)
i) Give binary number of (12.5) ₁₀ : (CO 6)	
ii) State Maximum Power Transfer Theorem.(C	0 1)
iii) Draw the Symbol of NOT gate.(CO 4)	
iv) State Kirchoff's current law.(CO 1)	
v) What is the expression for output Y in follow	ving logic diagram?(CO 5)
vi) Addthese binary numbers 111to1001.(CO 6)
vii) State Thevenin's theorem.(CO 1)	
viii)What is current through R∟ in given circuit?	(CO 2)
ix) What is 1's complement of 101101 ?(CO 6)	-
x) Give Boolean expressions of DeMorgen's th	eorem.(CO 5
	<u></u>

P.D.E.A's Annasaheb Magar Mahavidyalaya, Hadapsar, Pune 411028					
F.Y.B.Sc Internal Examination 2022-2023 (Sem-I)					
Paper-I (PHY-241) Oscillations Waves & Sound					
Student Name with Surname :	College Roll No. :				
Name & Signature of	University Seat No.:				
Junior Supervisor with Date :	(If available)				

Name & Signature of	Marks Obtained

Examiner Marks-10 Out of 10 :

Time-40 min.

N.B. 1) All questions are compulsory

:

Q.1. Select the correct multiple choice of the following (1/2 mark each). (2.5)

(2.5)						
1) If a tablecloth unde	CO-1					
at rest is due to						
a) Law of Inertia	a) Law of Inertia b) Law of friction c) Reaction force					
2) Which of the follow	ving is weakest force		CO-2			
a) Strong interaction	a) Strong interaction b) Weak interaction c) Electromagnetic					
3) Coolie moves on a :	railway platform with a l	load on his head, is	<i>CO-3</i>			
Work done	2					
a) Positive	b) negative	c) zero	d) both a and b			
4) The modulus of ela	<i>CO</i> -4					
a) Stress*Strain	d) Stress + Strain					
5) Which of the follow	<i>CO-5</i>					
a) J/m ²	b) N/m	c) dyne/cm ²	d) dyne/cm			

Q. 2) State whether true or false. (2.5)

1)	The work done by force acting on a body is equal to change in its	СО-1
	kinetic energy.	
2)	Bulk modulus is the ratio of longitudinal stress to longitudinal	СО-1
	strain.	
3)	A person in a car moving with a constant velocity is an example of	СО-1
	inertial frame.	
4)	P.E. is the energy possessed by a body by virtue of its position or	СО-1
	configuration.	
5)	The internal resistive force per unit area of the body is called strain.	CO-1

Q. 3) Define the following. (Any five) (2.5)

1)	Define Elasticity	СО-1
2)	Define Kinetic Energy	СО-1
3)	Define Modulus of Rigidity	СО-1
4)	Work done	СО-1
5)	Conservative force	СО-1
6)	State Newton's Second Law of motion	СО-1
7)	Define Hook's Law	СО-1

(25)

Q. 4) E	Explain the following in short. (Any five)	(2.5)
1)	State Work-Energy Theorem	CO-1
2)	State Poisons Ratio	CO-1
3)	State Strain Energy per unit volume.	CO-1
4)	Find Poissons ratio for metal.(Given: L=2m, D=2x10 ⁻³ m, ΔD=0.15 x 10 ⁻⁶ m, l=0.5	x 10 ⁻⁴) <i>CO-1</i>
5)	State the example of fictitious force.	CO-1

P.D.E.A's Annasaheb Magar Mahavidy Internal Exam I F.Y.B.B.A. SEM-I Sub: Principles of M	s yalaya Hadapsar-28 Nov.2022 [CC-101] Janagement
Duration: 1hr	Marks: 20
NOTE: All questions are compulsory. Q1. Multiple Choice Questions. 1 is universal concept. (a) Management (b) Organization (c) Administration (d) None of the above	(2mrks) CO-1
2	nal management process.
Q2. Define the following.1. Profession.2. Organization.3. Motivation.	(3mrks) CO-2
 Q4. Answer the following question (Any2) 1. What is Outsourcing? State its Merits and D 2. Explain the management as an Art, Science 3. Describe Henry Fayol's Principles of Management 	(10mrks) emerits. CO-3 and Profession. CO-4 gement. CO-3 & CO-4
Q4.Write short notes on (Any 1) 1. Discuss the Maslow need Hierarchy Theory 2. Discuss the Contribution of F.W. Taylor's	(5mrks) CO-5 of Motivation. Management Thought.

6) State Newton's third law.

7) What is the inertial frame of reference?

CO-1

CO-1

(26)
PDEA'S

Annasaheb Magar Mahavidyalaya Hadapsar- 411028 Credit and semester system Mid semester exam November 2022 (2019 pattern) 2022-23 Subject: - Abnormal psychology(S-1) Sem-III (Regular) Class:-FYBA Total marks: - 20

Date:-23/11/2022 Time: - 1 Hours

Instructions:-

1) All questions are compulsory 2) Figures to write indicate full marks

Que.1. Answer the following question in detail (Any one) (10)

1. What is abnormal behaviour? Explain the criteria of abnormal behaviour in detail. CO1

2. Give the definition of obsessive-compulsive disorder and detail information about Nature symptoms, diagnostic criteria and causes. CO2

Que.2.Answer the following question in shortly (Any Two) (10)

1. Give information about DSM-5 CO1

2. Explain historical background of abnormality in shortly. CO3

3. Give information about how you will understand a person is suffering from posttraumatic stress disorder. CO6

4. Write about the symptoms, causes of Agoraphobia. CO5

PDEA'S

Annasaheb Magar Mahavidyalay, Hadapsar- 411028 Credit and semester system

Mid semester Exam November 2022 (2019 pattern) 2022-23 Subject: - Foundation of Psychology (G-1) SEM-I (Regular)

Class: - FYBA Total marks:-20 Date:-23/11/2022 Time: - 1 Hours

Instructions:-

1) All questions are compulsory

2) Figures to write indicate full marks

Que.1. Answer the following question in detail (Any one) (10)

1. Give the definition of Psychology and explain various career opportunities in the psychology field. CO2

2. Explain the classical conditioning theory in detail. CO3

Que.2. Answer the following question in shortly (Any Two) (10)

1. What are the goals of psychology? CO1

2. Give information about behaviourism. CO4

3. Explain SQ4R are techniques shortly.CO5

4. Give information about forgetting. CO6



(27)



Pune District Education Association's Annasaheb Magar College, Hadapsar Pune-411028 Department of Commerce & Research Centre Internal Backlog Exam 2022-23 (CBCS Pattern 2019)

Cumulative Analysis of <u>Employer's</u> Feedback about Curriculum [2022-23] used for Indirect Attainment



Sr. No.	Areas on which Stake holders expressed suggestions	Action Taken
1	N -List availability should be there.	N-List made available to students by giving separate login id and passwords by library.
2	More Smart Board required for easy teaching learning process using the PPTs and video lectures for revision and presentations.	04 Smart boards are made available in some of the classrooms. Different Educational PPTs and videos links are prepared and made available to students.

Use of LMS for Attainment



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Mock test Analysis using LMS report

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