

	MINISTRY EDUCATION, CULTURE, RESEARCH AND TECHNOLOGY UNIVERSITAS NEGERI JAKARTA FACULTY MATHEMATICS AND KNOWLEDGE KNOWLEDGE NATURAL PRODI PHYSICS & EDUCATION PHYSICS Campus A UNJ Rawamangun, G-d. Hasjim Asj'arie Lt. 5 Jl. Rawamangun Muka No. 1 Jakarta 13220 Tel. 021-29266285/29266284	EXAM END OF SEMESTER 118	
		Management Learning Physics	
		Date and time	Thursday, June 15 2023
		O'clock	08.00 - 09.40
		Study Program	Physics Education
		Nature of the Exam	Close Book
		Lecturer	Dr. Ir. Vina Serevina, MM.

A. Do it 10 question choice double under This with appropriate! (Total score 50)

1. In managing physics learning which is currently developing with the existence of Education STEM (*Science, Technology, Engineering, and Mathematics*) Which started with develop ability educator in designing STEM-based learning. The following are the efforts of educators to: develop ability in designing learning based STEM, Except...
 - a. Develop curriculum based STEM
 - b. Designing tools simple Which required For support learningbased STEM
 - c. Do activity related workshops STEM
 - d. Follow training about STEM
 - e. Increase literacy from journal nor source other Which relevant aboutmethod learning that can be integrated with STEM.
 - f. Do workshop related STEM

2. On Monday, class B has online physics learning activities. class seemed very calm when the teacher explained. When given a physics problem, a student answered but the answer was still wrong. The right feedback by teacher on student that is...
 - a. Direct blame answer And throw question to another.
 - b. Wait student the until you find it answer Which appropriate.
 - c. Correct answer student And give motivation on student that Alreadydo Something that pretty good although there must be Which repaired.
 - d. No respond And continue material
 - e. Compare student answers each other other
 - f. Accept answer without giving response

3. Bait come back or *feedback* Which related with increase motivation Studystudent, relate student performance with Another factor is called...
 - a. Performance Feedback
 - b. Attributional Feedback
 - c. Motivational Feedback
 - d. Strategy Feedback
 - e. Confirmation Feedback
 - f. Constructive Feedback

4. Understanding to material or perception student Which wrong can give rise to misunderstanding by students. Students may apply wrong perceptions in everyday life which can make students more Wrong. basic principles regarding the perception or reception of material by students in Study between others as follows, except...
 - a. Perception That selective
 - b. Perception own order
 - c. Perception influenced hope
 - d. Perception That absolute No relatively
 - e. The perception of a person or group can be very different from the perception of another person or group other groups
 - f. Perception influenced by readiness

5. The learning model is the design of learning activities for implementing teaching and learning activities can run well, be interesting, easy to understand and in accordance with the sequence clear. The appropriate learning model is used to apply the method learning peer teaching is...
 - a. model learning contextual
 - b. Problem based learning
 - c. Projects based learning
 - d. model learning expository
 - e. model learning PAIKEM
 - f. Discovery Learning

6. Physics Learning Management carried out in the laboratory is known as practice physics. Management laboratory is ability For carry out activities in the laboratory effectively to achieve certain goals And become Wrong One condition in learning based practice. In lower Thisis conditions so that laboratory management spelled out fine except...
- Planning
 - Organizing
 - Implementation
 - Briefing
 - Supervision
 - Control
7. Laboran is person Which on duty help activity student in laboratory in carrying out educational and research activities. As for tasks and not quite enough answered the laboratory is as following, except...
- Do practice
 - arrange its operation equipment laboratory
 - arrangement And maintenance tools
 - provision ingredients laboratory
 - Development activity laboratory
 - guard discipline And safety laboratory
8. Matter Which need planned in management laboratory:
1. Planning means and infrastructure laboratory
 2. Planning timetable Use laboratory
 3. Planning source laboratory funds
 4. Planning Who which will using the laboratory
 5. Planning administration tool and materials
 6. Planning inventory laboratory
- From the statement above, things do NOT need to be planned in management the laboratory is...
- 1
 - 2
 - 3
 - 4
 - 5
 - 6

9. Capable manage activity laboratory with indicators coordinate laboratory activities, monitoring laboratory activities, evaluating activities laboratory, reporting laboratory activities, and reporting the results of activities laboratory is Standard managerial competence Which owned by...
 - a. laboratory
 - b. Teacher
 - c. student
 - d. head laboratory
 - e. Do it
 - f. technician laboratory

10. In the learning process in class, not all students can become tutors his peers. There are criteria/requirements for becoming a tutor for friends peer namely as follows, except...
 - a. Own motivation tall For reach performance academic the good one.
 - b. Own attitude tolerance, grace flavor, And friendly with fellow.
 - c. Own ability academic Which The same flat student One class.
 - d. Own characteristic democratic And No tall heart
 - e. Capable intertwine Work The same with each other student.
 - f. Be humble, brave and responsible, like to help each other who are experiencing difficulties.

B. Do it 5 question essays under This with appropriate! (Total scores 50)

1. Describe the 4 components of STEM (*Science, Technology, Engineering, and Mathematics*) and explain where the STEM component is located in the preparation of the RPP (Teaching Module) based STEM on material topics temperature and heat!
2. Explain what is meant by *Peer Teaching* and explain its advantages and disadvantages lack of *Peer-teaching* and any learning media that supports its implementation *Peer teaching* ?
3. Explain things What just Which must done in implementation activity laboratory! As well as providing case studies and solutions related to implementation practice learning physics in the laboratory!
4. When learning in class, sometimes students are embarrassed and afraid to ask questions Even though the teacher doesn't understand the material being taught, the teacher is focused deliver material so that there is less feedback. Explain how techniques that can be used by teachers in providing feedback! Give example studies case And the solution related bait come back in process teaching and learning!
5. Explain how to provide feedback , both immediate feedback nor delay feedback on learning physics in laboratory (practice physics)And give study example the case!

HONEST & NO CHOOSE: HAPPY WORK!