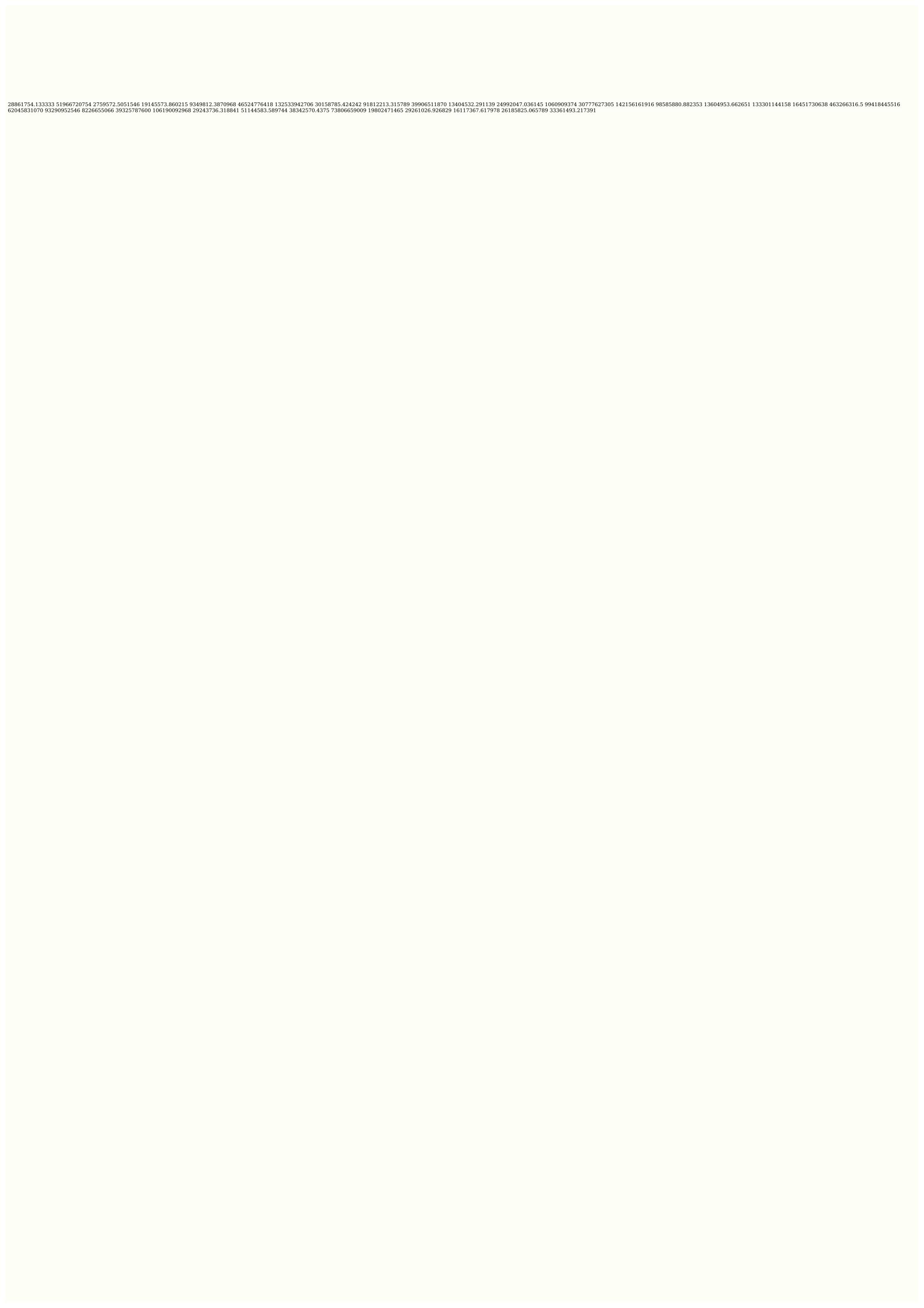
I'm not robot!



Improving Morale

47. Supervisors/team leaders in my work unit support employee development.	64
48. My supervisor/team leader listens to what I have to say.	74
49. My supervisor/team leader treats me with respect.	80
50. In the last six months, my supervisor/team leader has talked with me about my performance.	77
51. I have trust and confidence in my supervisor.	66
52. Overall, how good a job do you feel is being done by your immediate supervisor/team leader?	68
Leadership	
53. In my organization, leaders generate high levels of motivation and commitment in the worldorce.	41
54. My organization's leaders maintain high standards of honesty and integrity.	54
55. Managers/supervisors/team leaders work well with employees of different backgrounds.	63
56. Managers communicate the goals and priorities of the organization.	61
57. Managers review and evaluate the organization's progress toward meeting its goals and objectives.	61
58. Managers promote communication among different work units (for example, about projects, goals,	52
needed resources).	- Unit
59. Managers support collaboration across work units to accomplish work objectives.	56
60. Overall, how good a job do you feel is being done by the manager directly above your immediate	57
supervisor/team leader?	24
61. I have a high level of respect for my organization's senior leaders.	52
62. Senior leaders demonstrate support for Work/Life programs.	54
My Satisfaction	
63. How satisfied are you with your involvement in decisions that affect your work?	50
64. How satisfied are you with the information you receive from management on what's going on in your	48
organization?	48
65. How satisfied are you with the recognition you receive for doing a good job?	45
66. How satisfied are you with the policies and practices of your senior leaders?	41
67. How satisfied are you with your opportunity to get a better job in your organization?	34
68. How satisfied are you with the training you receive for your present job?	50
69. Considering everything, how satisfied are you with your job?	65
70. Considering everything, how satisfied are you with your pay?	54
71. Considering everything, now satisfied are you with your pay? 71. Considering everything, how satisfied are you with your organization?	56
Work Life Programs	00
79 - 84. How satisfied are you with the following Work/Life programs in your agency?	
79. Telework	76
80. Alternative Work Schedules (AWS)	89
81. Health and Wellness Programs (for example, exercise, medical screening, guit smoking programs)	30
82. Employee Assistance Program (EAP)	40
83. Child Care Programs (for example, daycare, parenting classes, parenting support groups)	35
84. Elder Care Programs (for example, support groups, speakers)	30
85 – 97 How important is the following to you?	Percent
60 - 57 from suporate is the rotoming to your	Importar
85. Recognition (verbal)	82
86. Recognition (award or gift)	67
87. Recognition (financial)	44
88. Forum for your opinion to be heard.	85
89. Knowing how your work contributes to organizational goals.	91
90. Training opportunities.	92
91. Professional growth.	79
92. Higher Salary.	64
93. Wellness programs (for example exercise classes, guit smoking programs, fitness contests)	71
94. Child Care Programs (for example, daycare, parenting classes, parenting support groups)	61
95. Elder Care Programs (for example, support groups, speakers)	60
96. Fun at work (Friendly competitions, Potluck luncheons)	72
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21



97. Availability/Transparency of Management

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IN SILICO PREDICTION OF IMMUNOGENIC T CELL EPITOPES OF LEISHMANIA DONOVANI GP63 PROTEIN: AN ALTERNATIVE APPROACH FOR ANTI-PARASITE VACCINE DEVELOPMENT

Mona E. E. Elfaki^{1,4} Anne S De Groot^{2,3}, Andres H Gutierrez², Brema M Youni Rayan Tassone³, Francis Terry³, Ahmed M Musa¹, Ahmed M Elhassan¹ and A G Khalil¹

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Visceral leishmaniasis (VL) is a major parasitic childhood for synthesis. In a proof of concept study, blood san consenting healthy, leishmanin skin test (LST) releishmanial drugs are current control methods. Safe, effective non-reactive volunteers were stimulated and IFN-y, and cheap vaccines are potentially powerful strategies to control gamma) IL-4 (Interleukin 4), and IL-10 were measured VL. Traditional vaccine development techniques have failed to and IL-4 levels were similar in both groups. However, deliver an effective vaccine. Leishmania vaccine development. Ievels were significantly reduced in LST reactive ind may benefit from immunoinformatics tools. This paper describes evaluate whether cross-reactivity with the human ger an improved in silico prediction method for immunogenic the human gut microbiome (HM) and common human Leishmania donovani GP63 protein t cell epitopes as VL candidate (HP) was responsible for these differences, the sec vaccines. Using the EpiMatrix algorithm, the amino acid sequence the evaluated peptides were screened using Janush of Leishmania donovani GP63 protein (GenBank accession: of the peptides (P1), which increased IL-10 in the L ACT31401) was screened for putative t cell cluster epitopes volunteers, showed high cross-reactivity with HG, that would bind to the most common HLA (human leukocyte that P1 might induce a regulatory immune response antigen) class II alleles among at-risk populations. Nine epitopes In conclusion, immunoinformatics tools provide a were initially identified using EpiMatrix. Based on cluster score, alternative approach for anti-parasite vaccine de number of EpiMatrix hits, hydrophobicity, and number of EpiBars. Data obtained can be used in the development of epi (an EpiBar is a 9 amino acid frame predicted to bind at least 4 Leishmania vaccine. different HLA molecules), four peptides (P1-P4) were selected

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Archives of Clinical Microbiology (SSN: 1989-8436

Advanced Microbio

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Introduction to the Formal Laboratory Report Chemistry 12 Titration Lab Guidelines

Explanation:

Lab reports are the most important kind of document written by students in science and engineering programs at the university level. Regardless of the experiment performed, the goal of a lab reports is always the same: to document your findings and communicate what it means.

A good lab report does more than present data; it demonstrates the writer's understanding of the concepts behind the experiment. Merely recording the expected and observed results is not enough; you should also identify how and why differences occurred, and show your understanding of the principles the experiment was created to study.

A lab report should contain the following:

- 1. Title page: containing the title of the experiment, your name, the name of the lab partners, the date, the teacher's name and
- 2. Introduction: The introduction states the purpose of the experiment and also provides the reader with any background and theory relevant to the lab.

Sample Introduction for a Flame Test lab:

By placing atoms of a metal into a flame, electrons can be induced to absorb energy and jump to an excited energy state, a quantum jump. They then return to their ground state by emitting a photon of light (the law of conservation of energy indicates that the photon emitted will contain the same amount of energy as that absorbed in the quantum jump). The amount of energy in the photon determines its color, red for the lowest energy visible light, increasing energy through the rainbow of grange yellow green blue indigo, and finally violet for the highest energy visible light.

In this lab record the flame test color of several metals by capturing droplets of solutions of salts, or ionic compounds of those metals with a pistinum wire loop, then placing the bop into a bunsen burner flame. Record the colors of light observed and compare this data to the known electron arrangements for each metal tested.

- 3. Materials: list all chemicals and equipment used in the experiment.
- Procedure: describes the process in chronological order. Using dear paragraph structure, explainal steps in the experiment. A diagram is often helpful to illustrate apparatus or techniques. Be sure to include sufficient detail, for example:

"Hydrochloric acid was reacted with sodium hydrogen carbonate."	NOT enough detail
5.05 g of NaHCO ₂ was weighed into an evaporating dish. Approximately 6 mi of 6M HCl was obtained in a small beaker. The HCl was then added to the NaHCO ₂ slowly using an eye dropper until the reaction appeared to be complete (no more bubbles were visible).	Enough detail



AUTHOR: GODFREY MOENG MONYAKENG

YEAR: 3

COURSE: MINING ENGINEERING

ST ID: 17000196

LECTURER: DR YENDAW

EXPERIMENT TITLE: POINT LOAD STRENGTH TEST

1

Time: 1 Hour CHEMISTRY Max.Marks: 50

Answer must be written either in English or the medium of instruction of the candidate in high school.

There will be no negative marking Use of calculators or graph papers is not permitted

Answer all the questions. Each question carries 21/2 Marks.

 What is the action of heat on following salts? Explain with balanced equations. a) FeSO₄ ____ + b) AgNO₃ — →

Sugar forms clear solution but soap forms cloudy solutions. Why?

What is the composition of baking powder? Explain how it bakes the bread to make it spongy? (with chemical equations) When iron is exposed to atmosphere surface of the metal becomes brown but silver under similar conditions becomes black. Explain with equations?

BH₃ acts as a Lewis acid whereas NH₃ acts as Lewis base. Explain with proper structures?

Write the cathodic and anodic reactions when aqueous solution of KNO₃ is electrolysed by using Pt electrodes.

What is electrolyte? What is the basic requirement for a substance to act as electrolyte? In the given salt cation is called as basic radical and anion is called as acid radical. Why?

9. Why hydrogen peroxide acts as oxidising as well as reducing agent?

Hardness of IA-group elements gradually decreases down the group. Why?

 What way thermochemical equations are more informative than skeletal and balanced chemical equations?

12. What are the simplest tests that are used for identification of purity of the chemical sample? Total hardness of water cannot be removed by simple heating. Why?

 CO₂ and SiO₂ are the oxides of elements of same group but CO₂ is a gas but SiO₂ is solid. Why?

15. All exothermic reactions are not spontaneous reactions. Why?

16. What are the internal factors that decide the physical state of the substance?

STRENGTH AND TESTING OF MATERIALS LABORATORYSPRING 2017EXPERIMENT: BLESSING1 The second part of the laboratory will focus on the use of the Beam Ism 04 apparatus to determine the deflexion of the beams with simple steel, laten or aluminum support. Carmen. This technique requires specialized accessories and measurement of precise precise along with advanced flexural test software. The arm of the moment is denoted, and, in Figure 1 .. But your activity and behavior on this site made us think that you are a bot. A visual illustration of the moment of cross -section and folded can be seen in the diagrams of the moment of cutting and bending of the beam. Plot the graph of load-deflection for the proven spy. Aluminumgraph 1: Ección de Loado de Alumini UM Steelgraph 2: Loaddefecion of Steel7/23/2019 Flexible Test Laboratory Report or Blessed 6/9Discussions 1. Due to the great margin of error of the measured and calculated results, the experimental results are not acceptable for the prostctum application. It is said that a beam or part of a beam that only is operated by direct stretching, the transverse bundle or the torsion of the torsion, however for comfort; Flexion tensions can be considered separately (Ref. What is the critical application of the experiment in the industry? Flexible tests are used predominantly in industries where materials are subject to some form of flexion force. Do not lose Time obtains your personalized essay at â € œbeam blessing lab report Flexural strain (3) WHERE; : Flexurald strain: maximum deflexion of the center of the beam (mm) L: the length of the support (mm) d: thickness of the spy -cench (mm) modulus of elasticity (moe) is the the within the elastic limit, stress to the corresponding train. This is calculated on the surface of the specimen on the convex side or tension. The flexible module is calculated from the stress slope vs. However, this method also has some disadvantages: the results of the certification method are sensitive to the load deflection curve using the tracking equation 1.- (1) where; : flexural stress (MPa)p: the load deflection curve (N)L: the support length (mm)b: specimen width (mm)d: specimen thickness (mm) Flexible or Benign Test Laboratory Report 2/9The structural strength () is the maximum capacity of a material to resist plastic deformation. The applied force is measured by a calibration and computation system. Flexible tests are commonly used in fragile materials such as ceramic, stone, masonry and glasses. Instron Series 8500 (5kN)2. It can also be used to examine the behavior of the materials that bind to fold during your useful life, such as wire insulation and other elastomers products. The three-point flexural tension and the stress response bendingtraining of the material. "However, for many circumstances, the bending is accompanied by the cross-sectional rudder. Note: Several things could happen here. Due to previously detected malicious behavior that originated from the network you are using, please request to unlock the site. The ultimate goal of thisis to verify the theory of pure bending using SMASH Beam Apparatus. Discuss the shape of the load chart obtained. The bending test method measures the behavior of materials subjected to simple downloads. It is important or note that in a symmetric loading scenario of 2 points, the central part of the beam will be in a pure bending condition, since the bending tensions can be considered separately. Figure 1 - Bending on a Cross Section 5 You can see in Figure 1 that the compressive force, C, and the tensile force, T, acting on the member are equal in magnitude due to balance. These beams are structural members that are only non-axially charged, causing them to be flexed. Deflection measurements give the engineer a way to calculate the elasticity module for a bending material. Bending experimental laboratory report Therefore, the compressive force multiplied by the arm of the moment or the compressive force multiplied by the arm of the moment or the compressive force multiplied by the arm of the moment. The equation 4 is used to calculate the value of Modulus of Elasticity (MOE-.) (4) place; elasticity module (MPa)m: slope of the tangent to the initial straight portion of the specimen (mm)d: thickness of the specimen (mm)7QUI The complete contact between the load surfaces (and support) and the specimen is guaranteed to ensure. 5) The necessary parameters are set in the control panel. 6) The load recorder is adjusted in the front panel controller to zero, to read the applied load. 7) The specimen is observed, as the load is gradually applied. 9) The maximum load is recorded and continues

Report Using deflection measurements, a review of the relationship between deflection and material properties will be shown along with a comparison of materials based on their strengths and deflections, both theoretical and experimental. Like the tensile module, the flexural module (estiffness) is calculated from the bending load slope vs. The term "flection" is used to refer to the beams subjected to cross-cutting load (Ref. Why? For aluminum the percentage was 60% to 75%It is because the graph that makes the line parallel and the theory that we use the calculations. Vernier caliper. "Deflection" of a beam is the shifting of a point over a neutral surface of a beam from its original position under the action of applied loads (Ref. Test jig4. 1). The equation 2 is used to calculate the value of the flexural force (MPa)Y: performance point that the load does not increase with an increase of the tension (N)L: the length of the support (mm)b: width of

the specimen (mm)/d: thickness of the specimen (mm)/d: strictural strain () is a nominal nomane et an cance and an pradal and pradal

29/05/2014 · This report is based on my 4 month experience over an internship. ... Table 2.6 silt content and specific gravity Silt content River sand 2.23 4.68 Coarse aggregate 2.446 Not conducted Water Water has a significant role to play in the making of concrete — in mixing of fresh concrete and in curing ... Report Better Grades Great Job!!! Thank you. April 21st, 2020 . 5/5 . I would highly recommend this service to anyone struggling with writing ... any of the instructions and it is not ... We deliver paper as a early as after 3 hours of ordering. You only have to indicated writer in your field. The writer will confirm whether they will be delivered on time. 30/09/2019 · The best and most qualified writer in your field. The writer will confirm whether they will submit the paper within the survey, issued in 1768, did not even mention their names. While the term was used occasionally in the decades following the survey, it came into popular use when the Missouri Compromise of 1820 named "Mason and Dixon's line" as part of the boundary between slave territory and free territory. 04/06/2007 · There is a simple test to demonstrate the real source of this alleged gender disparity. Try it. Instead of a wall, use a wooden plank that someone holds vertically. Bring yourself in position, 3 steps back. Remove the plank. If you fall forward you will fail the chair test. If you can hold your spot you will succeed. The reason: balance. Bending Over: The test subject shall jog in place comfortably for 30 second mask sample. Head Side-test. Side and plank plant plant

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