GRADE 10 BUSINESS STUDIES NOVEMBER EXAM PAPER

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What does paper 2 English consist of grade 10? Paper 2: Literature (includes the study of novels, drama, short stories and poetry. A Mind the Gap study guide is available for each of the prescribed literature titles.

How can I practice past exam papers? If you're using past papers, it's a good idea to set yourself the same time limits that you'd have in an ordinary exam. This will help to give you a sense of how it feels to answer questions against the clock and get used to managing your time well.

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What is paper 1? Paper 1 is an externally-assessed component which gives you the chance to apply the skills acquired and developed throughout the course to an unseen text.

What is English paper 1 out of? Paper 1 has three sections to complete (more on these later): Composing (100 marks) Question A of the comprehension (50 marks) Question B of the comprehension (50 marks)

Is English II 10th grade? English II (10th Grade) Through the study of literature, nonfiction, and life, students explore what it means to be human, what it means to be fulfilled, triumphant, empowered, and transformed. As in life, students have many choices in the English II course. They choose the order in which they complete the units.

How can I memorize exams?

Should you repeat past papers? If your notes are all bullet points, past papers might be the first chance you have to write in clear and linked sentences! Repeat your testing – it is important you test yourself more than once. Try it ten minutes after revising a topic, one day after, then a week later.

Should I just do past papers? Past papers help you get into the exam mindset and familiarise yourself with the types of questions you'll have to answer in the real thing. Another tip is to start with some of the older past papers (as long as they're still relevant) and work towards the more modern ones as you get closer to your exam.

Which app is best for online exam preparation? The online exam software powered by the e-khool is the best online test tool with the best analytic tool. The online exam app in the LMS is user-friendly and easy to operate. The online exam app is very useful for competitive exam aspirants and school students to prepare for the exams.

Which is the best app to type question paper? Examin8 takes only a few minutes to create a question paper that usually demands 3-4 hours. No OMR sheets, No printouts, No evaluation. Take Online Tests, get results instantly with deep analysis.

Which app can I download to study?

What is business paper 1? Paper 1: Influences of operations and HRM on business activity. What's assessed. Business in the real world. Influences on business. Business operations.

What is in GCSE paper 1? Language paper 1 is all about exploring creative reading and writing. You'll be looking at an example of a fiction text and doing some creative writing. You will need to answer five questions, separated into two sections.

How to pass English paper 1?

What's in English paper 2? AQA GCSE English Language paper 2 explores non-fiction writers' viewpoints and perspectives. Section A consists of 4 questions, in which you'll analyse two linked sources across different time periods and genres.

How long is paper 2 in English? Paper 2 is two hours long with five minutes of reading time and has three sections. Each section is different and memorising an essay isn't going to be enough to ace the exam. It is crucial you approach studying methodologically so you are relaxed on the day of the exam and can do your best.

What is IB English Paper 1? The International Baccalaureate (IB) English Language and Literature paper 1 requires students to demonstrate a deep understanding of literary techniques and the ability to analyze texts effectively. To start your Paper 1 with a strong introduction, it's important to consider the TAPAC format.

Where can I download papers?

What can I do with past exam papers? Identifying Patterns in Exam Questions One of the key benefits of using past exam papers is the ability to identify patterns in the types of questions asked. By reviewing several past papers, you may start to notice recurring themes or topics. This can help you identify areas where you need to focus your study efforts.

Where can I download past exam papers grade 9 term 2? The Grade 9 exam papers are available for download on the Department of Basic Education website. The papers are available in PDF format and can be downloaded by clicking on the links.

What are the topics in grade 10 physics?

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Should you repeat past papers? If your notes are all bullet points, past papers might be the first chance you have to write in clear and linked sentences! Repeat your testing – it is important you test yourself more than once. Try it ten minutes after revising a topic, one day after, then a week later.

Should I just do past papers? Past papers help you get into the exam mindset and familiarise yourself with the types of questions you'll have to answer in the real thing. Another tip is to start with some of the older past papers (as long as they're still relevant) and work towards the more modern ones as you get closer to your exam.

How many past papers should I do in GCSE? Short answer: As many as possible but start from the most recently ones. First of all check the syllabus of the respective subject. If you go too old, a lot of old papers are based on old syllabus so they may not have questions regarding the new syllabus.

How do I get GCSE paper? Can I see my answers/get a copy of my marked exam paper? Yes. The exams officer at your school or college will be able to request for us to return your marked question paper on your behalf. This service is sometimes called an 'Access to Script' request.

How can I get Grade 9 in English? To achieve a grade 9, you need to employ an impressive array of punctuation (colons, semi-colons, brackets dashes etc.) and integrate these seamlessly into your writing so that they enhance meaning. Similarly, you need to demonstrate a sophisticated vocabulary and use a wide range of sentence structures for effect.

Where can I download Igcse papers?

What is chemistry grade 10? 10th Grade Chemistry In this course topics of study will include the basics of scientific investigation and measurement, matter and atomic structure, the periodic table, chemical bonding, chemical reactions and stoichiometry, states of matter, thermochemistry and equilibrium, nuclear chemistry, and organic chemistry.

GRADE 10 BUSINESS STUDIES NOVEMBER EXAM PAPER

How can I improve my grade 10 in physics?

Is physics hard to learn? Physics is a challenging subject ? it's a combination of math and science that can be difficult even for the best of us. But despite its challenging nature, with a few basic tips and a little practice there's no reason you can't succeed.

Structure and Properties of Engineering Alloys

Question 1: What are the key structural features of engineering alloys? Answer: Engineering alloys exhibit various structural features, including:

- **Crystalline Structure:** Alloys are composed of atoms arranged in a repeating pattern, forming a crystalline structure. Common structures include face-centered cubic (FCC), body-centered cubic (BCC), and hexagonal close-packed (HCP).
- **Phase Composition:** Alloys may consist of a single phase (homogeneous) or multiple phases (heterogeneous). Each phase has a unique crystal structure and properties.
- **Grain Structure:** Crystalline materials consist of grains, which are regions of uniform crystal structure. Grain size, shape, and orientation influence the alloy's properties.

Question 2: How do alloying elements affect the properties of alloys? Answer: Alloying elements can modify the structure and properties of alloys in several ways:

- **Solid Solution Strengthening:** By forming substitutional or interstitial solid solutions, alloying elements distort the crystal lattice, hindering dislocation movement, thus increasing strength.
- **Precipitation Hardening:** Alloying elements can form finely distributed precipitates within the matrix, acting as obstacles to dislocation motion, further enhancing hardness and strength.
- **Grain Refinement:** Alloying elements can promote nucleation and growth of new grains, resulting in finer grain sizes, which generally improve strength and toughness.

Question 3: How can heat treatments affect the structure and properties of alloys? Answer: Heat treatments involve controlled heating and cooling cycles that can significantly influence the alloy's microstructure and properties:

- **Annealing:** Heating the alloy above the recrystallization temperature and slowly cooling allows for the formation of new, equiaxed grains, resulting in improved ductility and toughness.
- **Quenching:** Rapidly cooling the alloy from a high temperature can trap dislocations and create a supersaturated solid solution, increasing hardness and strength.
- **Tempering:** Quenched alloys can be reheated to a lower temperature and held for a specific time, allowing for the formation of nanoscale precipitates, improving toughness without sacrificing hardness.

Question 4: How are engineering alloys classified based on their composition? Answer: Engineering alloys are classified based on their primary alloying element:

- **Ferrous Alloys:** Alloys with a predominant iron content, including steels, cast irons, and stainless steels.
- **Non-Ferrous Alloys:** Alloys with a base metal other than iron, such as aluminum alloys, copper alloys, nickel alloys, and titanium alloys.
- **Polycrystalline Alloys:** Alloys composed of multiple grains, exhibiting uniform properties throughout the material.
- **Single-Crystal Alloys:** Alloys with a single, continuous grain structure, offering exceptional strength and creep resistance.

Question 5: What are the applications of engineering alloys? Answer: Engineering alloys are widely used in various industries, including:

- **Aerospace:** Lightweight and high-strength alloys for aircraft and spacecraft components.
- **Automotive:** Durable and lightweight alloys for engine components, body panels, and chassis.

- **Energy:** Corrosion-resistant alloys for nuclear power plants and offshore structures.
- **Medical:** Biocompatible alloys for surgical instruments and prosthetics.

How do you calculate punching shear in concrete slab?

What is punching shear in a column? Punching shear arises when a concentrated load is applied to a small area of a slab or, most commonly, the reaction of a column against a slab. The resulting stresses are verified along defined control perimeters around the loaded area.

What is the shear strength of a concrete pile? The shear strength of a pile cap is the sum of the concrete contribution and resistance of shear reinforcement.

What is the permissible shear strength of concrete?

How to calculate shear force in column?

How much force does it take to punch through concrete? Concrete blocks only need to be deflected one millimeter before breaking, but since the material is less bendable than wood, that displacement requires 2,500 to 3,000 newtons. And because some energy is lost upon collision, the fist needs to exert even more force than that in order to actually break the blocks.

What is effective depth of slab for punching shear? The effective depth of the slab is used to define the punching shear perimeter at a distance of d/2 beyond the edge of the column/pedestal. The effective depth is based on the smallest depth to centroid of reinforcing for the Design Strips that encompass the pedestal.

What is the punching shear of a concrete footing? Punching shear is produced directly by the forces and moments acting on the column. For the simple case of a concentric footing with a downward load, the punching shear can easily be calculated as the volume of the bearing pressures on the critical area around the column.

What is shear force in slab? Shear Force (Vu) is the shear force caused be the load affecting the slab at a distance equal to the effective depth (d) from the face of the beam. ?? = ?? (?? ? ? ?)

What is the shear strength of normal concrete? The shear strength of plain concrete is typically in the range of 1 to 6 MPa (145 to 870 psi).

How do you calculate shear strength of concrete? The concrete shear strength in one-way action is defined by the expression ?Vc = ?2?f'c bd, where b is the footing dimension under consideration.

What is the shear strength of mass concrete?

What is the shear strength of a slab? Shear strength of a slab that resists flexural forces in two orthogonal directions around a column (flat plates, footings and pile caps), is evaluated as the shear strength of a prism located at a distance of half the slab depth d from the faces of the column.

What is the maximum shear capacity of concrete? The ACI code limit on shear stress is a function of the square-root of the concrete cylinder strength, IüV/C' with an upper limit of 1000 psi (6.90 MPa) for members without transverse reinforcement. The AASHTO and CSA code limit is a linear function of the concrete strength, 0.225f.

How do you test the shear strength of concrete? Shear strength of concrete was determined by applying direct shear force on push-off specimen. The test for determining shear transfer strength for concrete employs a specimen of 230 mm × 150 mm × 150 mm size, which is subjected to uniaxial compression in a compression-testing machine.

What is the shear capacity of a column? The shear capacity of a reinforced concrete column is composed by the shear transfer mechanism of the intact concrete in the compression zone, the shear resistance of the transverse reinforcement, the dowel action of the longitudinal reinforcement, and the aggregate interlocking along crack surfaces (ASCE-ACI Committee ...

What is the nominal shear strength of a column? Nominal one-way shear strength at a column, Vn, is calculated by: The nominal shear strength Vn is calculated as the sum of the nominal shear strength provided by concrete, Vc, and nominal shear strength provided by shear reinforcement Vs as shown in ACI Eq. (22.5. 1.1).

What is the shear span of a column? Shear span is the distance from the point of application of concentrated force to its respective Reaction force (supporting column). Throughout single Shear Span the Shear Force is constant, i.e. have same value of Shear Force throughout a single Shear Span.

How many pounds of force can concrete withstand? Usually, the compressive strength of concrete varies from 2500 psi (17 MPa) to 4000 psi (28 MPa) and higher in residential and commercial structures. Several applications also utilize strengths greater than 10,000 psi (70 MPa).

How much force does it take to break a concrete pillar? suspended beams and slabs require 3500 to 5000 psi. Concrete walls and columns can range anywhere from 3000 to 5000 psi, and concrete pavements require 4000 to 5000 psi.

How strong is 4 inches of concrete? Generally, a 4-inch surface can hold up to 4,000 pounds per square foot when adequately reinforced. Unreinforced, it can only hold 40 pounds per square foot. Steel bars or wire mesh can be placed in the concrete before it is poured to reinforce the pad.

How to avoid punching shear failure? To overcome the punching failure problem, there are many ways to increase the punching shear strength of concrete slabs, increasing slab thickness in the area adjacent to the column, increasing column thickness which is against the architectural desire, and finally providing slab with shear reinforcement.

What is the ACI code for punching shear? The ACI/CSA punching shear analysis and design approach uses the ACI 318 or CSA A23.

How do you increase shear strength of a slab?

How strong is concrete shear compared to steel? Steel is eight times (8X) stronger than concrete in tension and shear; steel is resilient unlike concrete; and steel has better resistance to tensile, compressive, and flexural stress.

What is shear strength of concrete? The shear strength of concrete is defined as an ability to resist forces that tend to induce sliding of one part over another at an internal plane. Many concrete members used in practice are subjected to shear

forces in addition to bending moments.

What is shear reinforcement in slab? The simple definition of Shear Reinforcement is : reinforcement which is designed to resist shear or diagonal tension stresses. Shear reinforcement is usually provided in the form of stirrups to hold the longitudinal reinforcement and also to take the shear to which the structure is subjected to.

What is the formula for shear punch test? Shear–punch test curves A typical SPT curve obtained for plain carbon steel is shown in Fig. 2. The shear stress is calculated using the following relation [1]: ? = P 2 ? r avg t where ravg = (rpunch + rdie)/2, P is applied load and t is specimen thickness.

What is the formula for shear stress of a slab? To increase the shear strength, reinforcing bar (rebar) or adequate slab thickness are used. The Applied shear stress (or force) can be calculated directly by taking a loaded strip of width (F) and length (S/2-d). Shear stresses Vu=Wu*F* (S/2-d).

What is the punching shear of a concrete footing? Punching shear is produced directly by the forces and moments acting on the column. For the simple case of a concentric footing with a downward load, the punching shear can easily be calculated as the volume of the bearing pressures on the critical area around the column.

What is the formula for shear capacity of concrete? The design shear capacities are calculated using the following equations. pw = Aw / (bw ?ss) (2f) When shear reinforcement ratio pw0.002, pw is taNen as 0. The basic experimental equations behind the design equations for calculating the shear capacities are shown below.

How do you calculate shearing strength? SYS = approx. 0.75*TYS . There are no published standard values for shear strength like with tensile and yield strength. Instead, it is common for it to be estimated as 60% of the ultimate tensile strength.

How do you measure shear strength of concrete? Shear strength of concrete was determined by applying direct shear force on push-off specimen. The test for determining shear transfer strength for concrete employs a specimen of 230 mm × 150 mm × 150 mm size, which is subjected to uniaxial compression in a

compression-testing machine.

How to check shear in slab?

How do you calculate shear force in a slab?

What is the shear strength of a slab? Shear strength of a slab that resists flexural forces in two orthogonal directions around a column (flat plates, footings and pile caps), is evaluated as the shear strength of a prism located at a distance of half the slab depth d from the faces of the column.

What is the shear stress of concrete? The shear strength of concrete is defined as its ability to resist forces that cause the material's inner structure to slide against itself. This can be measured either horizontally or vertically by seeing if a force causes the object's layers to slide in a horizontal or vertical direction.

How do you calculate punching shear in concrete? On the other hand, the punching shear strength depends of the column location on the footing, either interior, edge or corner, per the expression ?Vc = ? Min(2+4/?, ?s d/bo+2, 4) ?f'c, where ? is the column aspect ratio and ?s is the column location factor.

What is effective depth of slab for punching shear? The effective depth of the slab is used to define the punching shear perimeter at a distance of d/2 beyond the edge of the column/pedestal. The effective depth is based on the smallest depth to centroid of reinforcing for the Design Strips that encompass the pedestal.

How much is the shear strength for the concrete? The shear strength of plain concrete is typically in the range of 1 to 6 MPa (145 to 870 psi). However, in general, the shear strength of plain concrete is typically much lower than its compressive strength.

What is the shear strength of mass concrete?

What is the formula for maximum shear stress in concrete? V*Q / I*b calculates the formula for maximum shear stress. However, this can be simplified to 12*V / 8bh.

How to increase the shear capacity of a concrete slab?

Solutions Intermediate 2nd Edition Progress Test Answers

Paragraph 1: Grammar

- **Question 1:** Choose the correct form of the verb in brackets. (have/has)
- **Answer:** has
- **Question 2:** Correct the mistake in the sentence: "I goes to school every day."
- **Answer:** I go to school every day.
- **Question 3:** Fill in the gap with the correct preposition: "He lives ___ the city center."
- **Answer:** in

Paragraph 2: Vocabulary

- **Question 4:** Match the words on the left with their definitions on the right.
- **Match 1:** accommodate (A) make room for
- **Match 2:** exacerbate (B) a place to live
- **Match 3:** dwelling (C) make worse
- **Answer:** 1A, 2C, 3B

Paragraph 3: Reading

- **Question 5:** Read the text and answer the question: What is the main problem faced by the character?
- **Answer:** The character's car has broken down, and they are stranded in a remote area.
- **Question 6:** Find the word in the text that means "a flat area of land".
- **Answer:** plain

Paragraph 4: Listening

- **Question 7:** Listen to the recording and answer the question: What is the woman worried about?
- **Answer:** She is worried about her job security.

- **Question 8:** Find the phrase in the recording that means "to take a risk".
- **Answer:** step outside of your comfort zone

Paragraph 5: Writing

- **Question 9:** Imagine you are stranded in a remote area. Write a letter to a friend or family member describing your situation and how you are coping.

- **Answer:**

   Dear [friend or family member's name],

   I hope this letter finds you well. I'm writing to you from a remote area where I've been stranded for the past few days.

   My car broke down yesterday while I was driving through the countryside. I managed to pull over to the side of the road, but I'm in a very remote area and there's no cell phone service.

   I've been trying to fix the car myself, but I don't know much about mechanics. I've also tried to flag down other cars, but no one has stopped.

   I'm starting to get worried because I don't know how long I'll be stuck here. I'm also starting to run out of food and water.

   I'm trying to stay positive, but I'm scared. I don't know what to do.

   Please let me know if there's anything you can do to help.

   Love, [Your name]

[structure and properties of engineering alloys](#), [punching shear strength of interior concrete slab column](#), [solutions intermediate 2nd edition progress test answers](#)

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