

GRADE 10 ICT BOOK SINHALA

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What is ICT grade 10? ICT refers to technologies that provide access to information through telecommunications. It is similar to Information Technology (IT), but focuses primarily on communication technologies. This includes the Internet, wireless networks, cell phones, and other communication media.

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What is ICT class 10? The full form of ICT is Information and Communications Technology. ICT refers to technical tools & services that used operate network-based monitoring & control device, telecommunications, smart building management systems, audiovisual processing & transmission systems, broadcast media, etc.

Is there technology in grade 10? Absolutely! Grade 10 Information Technology courses are designed to introduce students to the basics of IT, regardless of their prior experience. Teachers and resources are available to help you understand and succeed in the subject.

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What is ICT in short answer? Information and Communication Technologies (ICTs) is a broader term for Information Technology (IT), which refers to all communication technologies, including the internet, wireless networks, cell phones, computers, software, middleware, video-conferencing, social networking, and other media applications and services ...

What is in ICT GCSE? Students explore how digital technology impacts on the lives of individuals, organisations and society. They learn about current and emerging digital technologies and the issues raised by their use in a range of contexts.

What is ICT definition for students? ICT is technology that supports activities involving information. Such activities include gathering, processing, storing and presenting data. Increasingly these activities also involve collaboration and communication. Hence IT has become ICT: information and communication technology.

What is ICT in computer class? ICT, or information and communications technology (or technologies), is the infrastructure and components that enable modern computing. Among the goals of IC technologies, tools and systems is to improve the way humans create, process and share data or information with each other.

What is the shell structure method of construction? shell structure, in building construction, a thin, curved plate structure shaped to transmit applied forces by compressive, tensile, and shear stresses that act in the plane of the surface. They are usually constructed of concrete reinforced with steel mesh (see shotcrete).

What are the disadvantages of thin shell concrete? Disadvantages. Since concrete is a porous material, concrete domes often have issues with sealing. If not treated, rainwater can seep through the roof and leak into the interior of the building.

What is the design of a shell structure? A shell structure consists of curved sheets that define the boundary between a structure's interior and exterior spaces. It serves both as a structural framework and an outer covering. Unlike conventional structures, shell structures are self-supporting, eliminating the need for internal beams, columns, or walls.

Which material is most suited for construction of shell structures? Reinforced Cement Concrete (RCC) is the most widely used material for constructing shell architecture because of its excellent strength and durability. Steel is also a preferred material for shell roof as it is lightweight, offers versatility, and ease of assembly.

What is a disadvantage of a shell structure? Disadvantage: In the case of shell structures, it is not possible to construct a floor above them. The labor cost required for the construction of Shell structures is more. For the construction of the shell structures, there should be greater accuracy in the.

What is a thin Concrete shell structure? Thin shell concrete structures are pure compression structures formed from inverse catenary shapes. Catenary shapes are those taken by string or fabric when allowed to hang freely under their own weight. As string can bear no compression, the free hanging form is in pure tension.

Why is plain concrete not used for structural purposes? Plain concrete is inappropriate for most structural purposes because it cannot sustain shear and tensile stresses produced by live load, wind, earthquake, vibration, and other forces.

What is the only drawback of lightweight concrete? Disadvantages of lightweight concrete: Lightweight concrete is generally very sensitive to water content in the mixture. Difficult to place and finish because of the porosity and angularity of the aggregate, hence skilled labor are required.

What is the weakest part of concrete? ITZ is considered as the weakest region in a concrete due to its higher porosity and poor structure, which in turn affects the strength and durability performance [2].

What is the difference between a frame structure and a shell structure? There are two main types of structures. A frame structure is a made from different parts joined together to make them stable and strong. Frame structures can be as simple as a garden fence or something much more complex such as a skyscraper. A shell structure has a thin curved outer layer and is hollow.

Are shell structures strong? Having a hollow interior means that shell structures are lighter than solid structures. They are also often stronger than frame structures and are therefore commonly used to provide protection.

What is an example of a famous shell structure? The Sagrada Familia in Barcelona, Spain, is an exceptional example of a shell structure. Designed by Antoni Gaudí, it showcases intricate and organic architectural elements. Its shell structure features hyperboloid shapes that create a visually striking appearance.

How thick is a concrete shell structure? Modern concrete shell architecture Modern thin concrete shells, which began to appear in Europe in the 1920s, are made from steel reinforced concrete of uniform thickness as thin as 2"-4" depending on the span.

What famous buildings are made from shell structures?

What is a shell structure grade 4? SHELL STRUCTURES GENERALLY HOLD OR PROTECT THINGS INSIDE THE STRUCTURE. HUMANS MAKE SHELL STRUCTURES TO PROTECT AND HOLD THINGS LIKE A DISH, A TIN, A CAR OR HOUSE. These guavas are contained in a basket which is a shell structure.

What is the difference between thin shell and thick shell? Thick shell problems assume that the effects of transverse shear deformation are important to the solution. Thin shell problems, on the other hand, assume that transverse shear deformation is small enough to be neglected.

What are the rules of shell structure? Shell (electron): A grouping of electrons in an atom according to energy. The farther a shell is from the nucleus, the larger it is, the more electrons it can hold, and the higher the energies of those electrons. The first shell (closest to the nucleus) can hold two electrons. The second shell can hold 8 electrons.

How to design a shell structure? Design and Form: Shell structures often begin with the process of "form finding," where architects and designers explore geometric shapes that naturally distribute loads and stresses. This process involves finding a form that minimizes material usage while maintaining structural integrity.

What is a lightweight shell structure? Thin-shell structures (also called plate and shell structures) are lightweight constructions using shell elements. These elements, typically curved, are assembled to make large structures.

How thin can a layer of cement be? How thin can you pour concrete over concrete? Your new layer needs to be at least 2 inches thick. If it's any thinner than that, it'll easily crack under pressure and won't adequately bond to your surface.

What is concrete with shells called? Tabby is a type of concrete made by burning oyster shells to create lime, then mixing it with water, sand, ash and broken oyster shells. Tabby was used by early Spanish settlers in present-day Florida, then by British colonists primarily in coastal South Carolina and Georgia.

What is the lifespan of a concrete structure? What is the maximum life of modern concrete? Generally, for large infrastructures, the lifespan of modern concrete is about 100 years if properly maintained.

How long does rebar last in concrete? So, it is important to emphasize the galvanized rebar IS NOT the cause of concrete cracking and spalling of the concrete. Only after about 100 years and the complete corrosion of the zinc does the carbon rebar itself corrode and then lead to concrete failure.

What is the life expectancy of a concrete slab? How Long Does Concrete Last on Average? Concrete lasts around 50 to 100 years, according to the Portland Cement Association, which focuses on cement-related policy, education, and research. Of course, this is quite the range, but concrete life span depends on numerous factors.

What is shell type construction? Shell type designs have two cores wound around one coil. The coil is typically wound with two secondary sections and one primary section in a low-high-low winding configuration. This configuration has part of the low voltage winding next to the core, commonly referred to as the inner low voltage winding.

What is shell work in construction? The term core and shell refers to the first phase of a commercial project where the basic inside, or core, and the outer building envelope, or shell, are constructed without adding things like furnishings, interior lighting fixtures, interior walls or ceilings.

What is the shell method explanation? The shell method calculates the volume of the full solid of revolution by summing the volumes of these thin cylindrical shells as the thickness Δx goes to 0 in the limit: $V = \int_a^b 2\pi x f(x) dx$.

What is the shell molding method? The pattern and shell together are placed in an oven to finish curing the sand. The shell now has a tensile strength of 350 to 450 psi

(2.4 to 3.1 MPa). The hardened shell is then stripped from the pattern. Two or more shells are then combined, via clamping or gluing using a thermoset adhesive, to form a mold.

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What is a shell in civil engineering? Thin-shell structures (also called plate and shell structures) are lightweight constructions using shell elements. These elements, typically curved, are assembled to make large structures. Typical applications include aircraft fuselages, boat hulls, and the roofs of large buildings.

What are the different types of shell foundation? TYPES OF SHELLS USED IN FOUNDATION The basic kinds of shells utilized as a part of Civil Engineering practice is given, 1) Domes, 2) Hyperbolic shells, 3) Cylindrical shells, 4) Paraboloidal shells, 5) Conoids(skew shells), 6) Combination of shells[1].

What are examples of shell structures? Shell structures with a rounded outer surface are usually stronger than those with a flat outer surface, because the curved areas distribute the load around the whole surface. A bean pod, a tennis ball, and a car body are all examples of shell structures. So are a flowerpot, a lunch kit, and a CD case.

What is a masonry shell? From a geometric perspective, a masonry shell is a geometric tiling of a 3D surface with a number of shell elements that contact one another with no overlaps and no gaps.

What is shell in cement? In architecture: Concrete. The first, concrete-shell construction, permits the erection of vast vaults and domes with a concrete and steel content so reduced that the thickness is comparatively less than that of an eggshell.

What do we calculate to construct the shell method? The Shell Method Formula The general shell method formula is $V = \int_a^b 2\pi r h(r) dr$ where r is the radius of the cylindrical shell, $h(r)$ is a function of the shell's height based on the radius, and dr is the change in the radius.

What is another name for the shell method? The shell method, sometimes referred to as the method of cylindrical shells, is another technique commonly used to find the volume of a solid of revolution.

What is the formula for calculating shell? The maximum number of electrons that can be filled in an orbit (shell) can be found by using the formula $2n^2$; where 'n' stands for an orbit's serial number. Calculate the maximum number of electrons that can be accommodated in the 2nd orbit (shell) of an atom.

What is the disadvantage of shell molding? A drawback of shell molding is the resin-coated sand used in the process is relatively expensive, and the template must be precisely machined, which raises the total cost. In addition, it will also produce a pungent smell when pouring, which to some extent limits the wide application of this method.

What is the main advantage of shell molding? The main advantages of shell molding are: (i) High suitable for thin sections like petrol engine cylinder. (ii) Excellent surface finish.

Which pattern is used in shell moulding? Shell Mould Casting Process A two-piece metal pattern is created in the shape of the desired part, typically from iron or steel. Other materials are sometimes used, such as aluminum for low volume production or graphite for casting reactive materials.

What motor is in a 2006 Harley Softail Standard? The 2006 MY Harley Davidson FXST/I Softail Standard sports an air-cooled, 1450cc, Twin Cam 88B V-Twin engine that produces 115 Nm of torque at 3000 rpm, and is paired to a five-speed manual transmission.

Is a 2006 Harley Softail fuel injected? This 2006 Harley Davidson Heritage Softail has a 88 C.I. Fuel Injected V-Twin, 5 Speed Manual Transmission, 18,634 Original Miles, Windscreen, White Wall Tires, Wire Wheels, Vance & Hines Pipes, Back Rest, Dual Bags, Loaded w/ Chrome!

How much oil does a 2006 Softail Deluxe take? AMSOIL 20W-50 Synthetic V-Twin Oil Change Kit - 4 Quarts with Chrome Filter.

How many cc is a Softail standard? 1,745 cc (107 cu. in.)

Is a Harley Softail a cruiser? The Softail family brings a wide variety of styling options, with their designs offering everything from classic cruiser to all-out hot rod. Whether it's the Street Bob, Heritage Classic, or the wicked FXDR power cruiser, Harley Softail motorcycles definitely have something for everyone.

What type of bike is a Softail? A softail (shortened form of soft tail) motorcycle intentionally looks like vintage motorcycles with a rigid hard-tail frame that has a triangle of steel tubes at the rear axle, as on a bicycle frame, but on a Softail these tubes are actually a triangular swingarm, with the shock absorber(s) hidden, as opposed to ...

Is the 2006 Heritage Softail a good bike? Rating breakdown This bike is very comfortable and easy to handle. The ride is smooth and it is easy to log several hundred miles a day. One of the things I like most about it is it's versatility. You get a retro classic style cruiser that truly has touring capabilities.

What engine is in a Softail? MILWAUKEE-EIGHT® 107 ENGINE A powerful, smooth-running V-Twin engine with crisp throttle response and that famously fantastic Harley-Davidson sound.

What year did Harley Softails get fuel injection? Fuel injection is unveiled as a new feature on the Softail line of motorcycles for the 2001 model year. The Softail Deuce makes its debut.

How much transmission fluid does a Harley Softail take? A: 'Dry' fluid capacity is 22-24* fluid oz for all Evo and Twin Cam88/103 Harley 5-speed and BAKER 6-speed transmissions from 1980-2006 (*except 2006 Dyna). The 2006-up Dyna, 2007-up Softail & Touring (Cruise Drive factory 6-speed bikes) take a full quart of fluid (32 fluid oz).

How do I check my Softail oil level?

How much primary oil goes in a Harley Softail? Harley Davidson Softails require one quart of primary fluid. Be sure to check your owner's manual or the AMSOIL Product Guide for the correct primary oil capacity for your bike. Once you've filled the

primary case with fluid, double check the fluid level visually.

Is Harley Softail a good first bike? All three have a starting MSRP under 10k, and all get 48 mpg or better. Softail Standard – If in your dreams of riding you pictured yourself on a classic cruiser, this could be the bike for you. Softail is so well balanced it's easy to handle. It's powerful enough it could be your first and your last bike.

How many gears does a Harley Softail have? The Softail Standard sends its power through a six-speed Cruise Drive® transmission and rolls on silver Annihilator cast aluminum wheels — a 19-inch front wheel and a 16-inch rear wheel.

What makes a Harley a Softail? On the other hand, the softail frame design means the frame has two suspensions, one for the front and one for the back. The softail contains the rear suspension in a small frame near the rear end of the bike. The separate rear tire suspension allows for more impact resistance.

What is the difference between a Softail and a Softail Deluxe? Despite having the same type of engine, the Harley Softail Standard produces 1.36 Nm more torque than the Harley Softail Deluxe at 3,000 rpm. The Harley Softail Standard is more lightweight than the Harley Davidson Softail Deluxe, making it a nimbler motorbike that is easier to handle.

Why buy a Softail? No electronic gimmickry or doodads, just an elemental yet modern, easy-to-ride, nicely balanced motorcycle that just happens to tap into a simpler time. It also happens to be the most affordable, lightest, and best-handling of Harley's Big Twins.

Is a Softail a women's bike? The Harley-Davidson Softail Deluxe is a popular girl's bike for several reasons.

Is a Softail better than a Dyna? However, the Dyna's traditional frame and external shocks provide a slightly easier platform for modifications, appealing to custom bike enthusiasts. In terms of comfort, Softail models have the upper hand due to their innovative suspension system that absorbs road imperfections, providing a plush riding experience.

What engine is in a Harley Softail?

Are softails comfortable? There are other bikes that offer a better weight-to-power ratio, but the Softail is a great option that offers superior rider comfort on longer rides. The Softail's shock absorbers are placed either along the axis, behind the transmission, or under the seat to give you a smoother ride.

What motor did Harley use in 2006? Early Twin Cam 88 Models (1999–2006) If you're considering a used Harley, you may want to be cautious of model years between 1999–2006 as these models featured the problematic Twin Cam 88A engine.

Is a Softail standard a Dyna? The Essence of Dyna and Softail Models The Dyna line, known for its traditional frame and twin-shock rear suspension, offers a raw and authentic riding experience. On the other hand, Softail models, with their hidden rear suspension, provide a classic look while ensuring a smoother ride.

What engine does a Harley Softail have? Fire up the 2023 Harley-Davidson Softail Standard and let its Milwaukee-Eight® 107 V-Twin engine stir your soul. The deep rumble of the engine is fed by a 3.5-gallon fuel tank, and the resulting power flows through a six-speed Cruise Drive® transmission.

How do I identify my Harley motor? An abbreviated VIN showing the vehicle model, engine type, model year, and sequential number is stamped on the left side of the crankcase between the engine cylinders. Always give the full 17-digit Vehicle Identification Number when ordering parts or making any inquiry about your motorcycle.

Wiley 11th Edition Accounting Principles Solutions

The Wiley 11th Edition Accounting Principles textbook is a comprehensive guide to accounting principles and practices. It covers a wide range of topics, from basic accounting concepts to more advanced topics such as financial reporting and analysis. The textbook is written in a clear and concise style, making it easy for students to understand. Additionally, the textbook is supplemented by a number of helpful resources, such as practice questions, case studies, and online quizzes.

Question 1: What is the purpose of the balance sheet?

Answer: The balance sheet is a financial statement that provides a snapshot of a company's financial health at a specific point in time. It shows the company's assets, liabilities, and equity. The balance sheet is used to assess a company's financial stability and performance.

Question 2: What is the difference between an asset and a liability?

Answer: An asset is anything that a company owns or controls with the expectation of future economic benefits. A liability is anything that a company owes to another party. Assets are typically listed on the balance sheet in order of liquidity, while liabilities are typically listed in order of maturity.

Question 3: What is the accounting equation?

Answer: The accounting equation is a fundamental accounting principle that states that assets equal liabilities plus equity. This equation must always be in balance, which means that any changes to one side of the equation must be reflected by an equal change to the other side.

Question 4: What is the purpose of the income statement?

Answer: The income statement is a financial statement that shows a company's revenues and expenses over a period of time. The income statement is used to assess a company's profitability and performance.

Question 5: What is the difference between accrual accounting and cash accounting?

Answer: Accrual accounting is a method of accounting that recognizes revenues and expenses when they are earned or incurred, regardless of when cash is received or paid. Cash accounting is a method of accounting that recognizes revenues and expenses only when cash is received or paid. Accrual accounting is generally considered to be more accurate than cash accounting, as it provides a more complete picture of a company's financial performance.

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