

21213

4 Hours / 100 Marks

Seat No.

4	5	9	6	2	8	-	+
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Instructions : (1) All Questions are *compulsory*.

(2) Illustrate your answers with neat sketches wherever necessary.

(3) Figures to the right indicate full marks.

(4) Assume suitable data, if necessary.

(5) Use of Non-Programmable Electronic Pocket Calculator is permissible.

(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

(7) Use only H/2H grade pencil.

Marks

1. (a) A pictorial view of an object is shown in Fig. 1. Draw following views by using 1st Angle method of projection :

(1) Sectional F.V; section along A - A.

(2) Left hand side view.

5

5



Fig. 1

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Union of International Associations



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Early Warning Systems and Targeted Interventions for Student Success in Online Courses Glick, Danny, Cohen, Anat, Chang, Chi, 2020-06-26 Online learning has increasingly been viewed as a possible way to remove barriers associated with traditional face to face teaching such as overcrowded classrooms and shortage of certified teachers While online learning has been recognized as a possible approach to deliver more desirable learning outcomes close to half of online students drop out as a result of student related course related and out of school related factors e g poor self regulation ineffective teacher student student student and platform student interactions low household income Many educators have expressed concern over students who unexpectedly begin to struggle and appear to fall off track without apparent reason A well implemented early warning system therefore can help educators identify students at risk of dropping out and assign and monitor interventions to keep them on track for graduation Despite the popularity of early warning systems research on their design and implementation is sparse Early Warning Systems and Targeted Interventions for Student Success in Online Courses is a cutting edge research publication that examines current theoretical frameworks research projects and empirical studies related to the design implementation and evaluation of early warning systems and targeted interventions and discusses their implications for policy and practice Moreover this book will review common challenges of early warning systems and dashboard design and will explore design principles and data visualization tools to make data more understandable and therefore more actionable Highlighting a range of topics such as curriculum design game based learning and learning support it is ideal for academicians policymakers administrators researchers education professionals instructional designers data analysts and students

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Experts,2020-07-01 Integrating Sustainability Thinking in Science and Engineering Curricula Walter Leal Filho,Ulisses M. Azeiteiro,Sandra Caeiro,Fátima Alves,2014-09-13 Including considerations of sustainability in universities activities has long since become mainstream However there is still much to be done with regard to the full integration of sustainability thinking into science and engineering curricula Among the problems that hinder progress in this field the lack of sound information on how to actually implement it is prominent Created in order to address this need this book presents a wealth of information on innovative approaches methods and tools that may be helpful in translating sustainability principles into practice *Examination Papers ... Containing the Papers for the Mechanical Sciences Tripos* University of Cambridge,1926

Engineering Mechanics Devoted to Mechanical Civil, Mining and Electrical Engineering ,1897 *Proceedings of the 7th International Conference on Axiomatic Design* Mary Kathryn Thompson,2013-06-26 Teaching STEM in the Secondary School Frank Banks,David Barlex,2020-12-29 This book looks at the purpose and pedagogy of STEM teaching and explores the ways in which STEM subjects can interact in the curriculum to enhance student understanding achievement and motivation By reaching outside their own classroom teachers can collaborate across STEM subjects to enrich learning and help students relate school science technology and maths to the wider world Packed with ideas and practical details for teachers of STEM subjects the new revised edition of this book considers what the STEM subjects contribute separately to the curriculum and how they relate to each other in the wider education of secondary school students describes and evaluates different curriculum models for STEM suggests ways in which a critical approach to the pedagogy of the classroom laboratory and workshop can support and encourage all pupils to engage fully in STEM addresses the practicalities of introducing organising and sustaining STEM related activities in the secondary school looks to ways schools can manage and sustain STEM approaches in the long term This new revised edition is essential reading for trainee and practising teachers those engaged in further professional development and all who wish to make the learning of science technology engineering and mathematics an interesting motivating and exciting experience for their students Yearbook of International Organizations 2014-2015, Volumes 1a & 1b (Set) Union of International Associations,2014-06-16 Volume 1 A and B covers international organizations throughout the world comprising their aims activities and events **Illinois State Library Heritage Project 1839-2013** Tom Emery,2013 A history of the Illinois State Library chronicling its growth through 174 years Parliamentary Papers Great Britain. Parliament. House of Commons,1956 **Power Plant Engineering** ,1946 *Gas World* ,1946 Power Engineering ,1946 **The Assessment of Learning in Engineering Education** John Heywood,2016-03-14 Explores how we judge engineering education in order to effectively redesign courses and programs that will prepare new engineers for various professional and academic careers Shows how present approaches to assessment were shaped and what the future holds Analyzes the validity of teaching and judging engineering education Shows the integral role that assessment plays in curriculum design and implementation Examines the sociotechnical system s impact on

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to include those reactions where no proton transfer takes place according to this concept an acid

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