

Part Time Diploma in Engineering (Polytechnic)
Second Semester Examination, June-2021
Applied Mechanics [PTDC2105T]
Branch-Automobile Engineering

Time: 3:00 Hrs**Max Marks 70**

Note: Question no. 1 is compulsory. Attempt any five questions from Q.2 to Q.8
 Student should not write anything on question paper.

नोट : प्रथम प्रश्न हल करना अनिवार्य है। प्रश्न क्र. 2 से 8 तक में किन्हीं पांच का उत्तर देना अनिवार्य है। विद्यार्थी प्रश्नपत्र पर कुछ लिखें नहीं।

Q.1 Multiple choice Question / वस्तुनिष्ठ प्रश्न – [2x5=10]

(i) A The unit of force in S.I. units is- / S.I. इकाइयों में बल की इकाई है -
 (a) Kilogram / किलोग्राम (b) Newton / न्यूटन
 (c) Watt / वाट (d) Dyne / डायन

(ii) The unit of work or energy in S.I. units is -
 S.I इकाइयों में कार्य या ऊर्जा की इकाई है-
 (a) Newton / न्यूटन (b) Pascal / पास्कल
 (c) Kilogram meter / किलोग्राम मीटर (d) Joule / जूल

(iii) The unit of power in S.I. units is- / एसआई इकाइयों में शक्ति की इकाई है-
 (a) Newton meter / न्यूटन मीटर
 (b) Watt / वाट
 (c) Joule / जूल
 (d) Kilogram meter/sec/ किलोग्राम मीटर / सेकंड

(iv) Forces are called concurrent when their lines of action meet in-
 बलों को समवर्ती कहा जाता है जब उनके कार्यवाही की लाइनों में मिलते हैं -
 (a) One point / एक बिंदु
 (b) Two points / दो अंक
 (c) Plane / विमान
 (d) Perpendicular planes / लम्बवत विमान

(v) Forces are called coplanar when all of them acting on body lie in-

Polytechnic Civil Question Paper

JG Myers



Polytechnic Civil Question Paper:

2026-27 RPSC AE Civil Engineering Solved Papers and Practice Book. YCT Expert Team , 2026 27 RPSC AE Civil Engineering Solved Papers and Practice Book 288 595 This book contains the previous solved papers and the practice book of the combined main examinations **2025-26 UPPSC AE General Studies and General Hindi Solved Papers** YCT Expert Team , 2025 26 UPPSC AE General Studies and General Hindi Solved Papers 360 695 This book contains the previous year solved papers **Proceedings of the American Society of Civil Engineers** American Society of Civil Engineers,1921 Vols for Jan 1896 Sept 1930 contain a separately page section of Papers and discussions which are published later in revised form in the society s Transactions Beginning Oct 1930 the Proceedings are limited to technical papers and discussions while Civil engineering contains items relating to society activities etc *Engineering Mechanics Devoted to Mechanical Civil, Mining and Electrical Engineering* ,1884 Pitman's Journal of Commercial Education ,1905

Competition Science Vision ,2007-05 Competition Science Vision monthly magazine is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India Well qualified professionals of Physics Chemistry Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to the point study material for aspiring candidates The magazine covers General Knowledge Science and Technology news Interviews of toppers of examinations study material of Physics Chemistry Zoology and Botany with model papers reasoning test questions facts quiz contest general awareness and mental ability test in every monthly issue *Minutes of Proceedings of the Institution of Civil Engineers* ,1876 Transactions of the American Society of Civil Engineers American Society of Civil Engineers,1913 Vols 29 30 contain papers of the International Engineering Congress Chicago 1893 v 54 pts A F papers of the International Engineering Congress St Louis 1904 *Advances in Civil Engineering and Architecture Innovation* Qing Yang,Li Hua Zhu,Jing Jing He,Zeng Feng Yan,Rui Ren,2011-10-24 Selected peer reviewed papers from the 4th International Conference on Technology of Architecture and Structure ICTAS 2011 September 22 24 2011 Xi an China **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

Minutes of Proceedings of the Institution of Civil Engineers

Institution of Civil Engineers (Great Britain),1881 Vols 39 214 1874 75 1921 22 have a section 2 containing Other selected papers issued separately 1923 35 as the institution s Selected engineering papers Pratiyogita Darpan ,2008-02

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of Green Building, Materials and Civil Engineering Dong Ye Sun,Wen Pei Sung,Ran Chen,2011-07-27 Selected peer reviewed papers from the 2011 International Conference on Green Building Materials and Civil Engineering GBMCE 2011 Shangri La China August 22 23 2011 **The Electrical Engineer** ,1901

The Top Books of the Year Polytechnic Civil Question Paper The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the fascinating narratives that have charmed audiences this year. The Must-Read : Colleen Hoovers "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Polytechnic Civil Question Paper : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a exceptional and gripping novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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