# BIOLOGY

Time: 3 hrs.]

MARCH - 2014

[Marks: 70

[7]

	SECTION - I BOTANY
). 1.	Select and write the most appropriate answer from the given alternatives for each sub-question:
(i)	The biological scissors is
	(a) restriction endonuclease (b) gyrase
	(c) DNA ligase (d) helicase
(ii)	Dead and dried cell mass of microbes having nutritive value is also known as
	(a) BGA (blue-green algae)
	(b) SCP (single cell protein)
	(c) STP (sewage treatment plant)
	(d) VAM (vesicular arbuscular mycorrhizae)
(iii)	
	(a) Blue (b) Red (c) Green (d) Orange
(iv)	For formation of 50 seeds, how many minimum meiotic divisions are necessary?
	(a) 25 (b) 50 (c) 75 (d) 63
(v)	In bisexual flowers, maturation of gynoecium before androecium is known as

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issues come together as shared lived experience located in local contexts considered through global perspectives As Asia looks set to become the 21st century s new economic and labour force the need to understand the sociocultural milieu of this region cannot be understated This book on literacy education in Asia contributes to the larger narrative Local Research and Glocal Perspectives in English Language Teaching Rubina Khan,Ahmed Bashir,Bijoy Lal Basu,Md. Elias Uddin,2023-01-01 This book provides an overview of recent trends and developments in the field of English language education It showcases research endeavors from a heterogenous group of scholars from different parts of the world and brings together perspectives from both experienced and emerging scholars This book provides a platform for established as well as emerging practitioners and scholars in the field of English Language Teaching to share their research It synthesizes local expertise and culture with innovative ideas from other contexts and brings theory and practice together in one volume

Engaging in Educational Research Raqib Chowdhury, Mahbub Sarkar, Foez Mojumder, M Moninoor Roshid, 2018-10-01 This book reflects the paradigm shift now manifesting in Bangladesh's education system by highlighting recent empirical research It shares essential insights by presenting research conducted on diverse aspects of current day education in Bangladesh including policy and governance equity access and participation curriculum and pedagogy assessment and education programs and projects run by NGOs Further it offers a platform for these unique studies to be showcased and disseminated to scholars and researchers from developing and developed countries alike and represents a unique reference resource for the education research community in Bangladesh Asia and all over the world With Foreword from Professor Reforming Literature Education in Malaysia 1957 - 2020 Jia Wei Lim, 2024-08-12 Lim Serajul Islam Choudhury traces the complexities in construction and implementation of a school subject namely Literature in English in Malaysia through a focused and grounded narrative where tensions regarding identity reader response and conceptualisations about literature play out in a postcolonial context The book demonstrates the need to think about school subjects as abstract concepts negotiated at various levels be it during curriculum construction or in the classroom These conceptualisations of the subject are further influenced by contemporary concerns and sociopolitical changes over time As such the scope of this book ranges from pre independence Malaysia then Malaya from the 1950s till the current phase of the subject s development in the 21st century The volume illustrates the complex interplay of historical cultural and social influences on the conceptualisation of English literature as a school subject in Malaysia Lim traces examines and interprets its development as an elective subject in the context of post secondary Malaysian education and engages with current trends in education such as internationalization and standardized assessment Lim also highlights the importance of teacher and student lived experiences to argue that personal conceptualisations of the school subject are actualized and negotiated in classroom discourse Offering unique insights into studying Literature in English in a postcolonial context the book will appeal to researchers students and practitioners in the fields of history of education curriculum reform and literature education

Mechanics of Structures and Materials XXIV Hong Hao, Chunwei Zhang, 2019-08-08 Mechanics of Structures and Materials Advancements and Challenges is a collection of peer reviewed papers presented at the 24th Australasian Conference on the Mechanics of Structures and Materials ACMSM24 Curtin University Perth Western Australia 6 9 December 2016 The contributions from academics researchers and practising engineers from Australasian Asia pacific region and around the world cover a wide range of topics including Structural mechanics Computational mechanics Reinforced and prestressed concrete structures Steel structures Composite structures Civil engineering materials Fire engineering Coastal and offshore structures Dynamic analysis of structures Structural health monitoring and damage identification Structural reliability analysis and design Structural optimization Fracture and damage mechanics Soil mechanics and foundation engineering Pavement materials and technology Shock and impact loading Earthquake loading Traffic and other man made loadings Wave and wind loading Thermal effects Design codes Mechanics of Structures and Materials Advancements and Challenges will be of interest to academics and professionals involved in Structural Engineering Graduate Programs in Business, Education, Information Studies, Law & Social Work 2014 (Grad 6) and Materials Science Peterson's, 2013-12-20 Peterson's Graduate Programs in Business Education Information Studies Law Social Work 2014 contains comprehensive profiles of more than 11 000 graduate programs in disciplines such as accounting finance business administration management education human resources international business law library information studies marketing social work transportation management and more Up to date info collected through Peterson's Annual Survey of Graduate and Professional Institutions provides valuable data on degree offerings professional accreditation jointly offered degrees part time evening weekend programs postbaccalaureate distance degrees faculty students requirements expenses financial support faculty research and unit head and application contact information There are helpful links to in depth descriptions about a specific graduate program or department faculty members and their research and more Also find valuable articles on financial assistance the graduate admissions process advice for international and minority students and facts about accreditation with a current list of accrediting agencies Concrete Solutions 2014 Michael Grantham, P A Muhammed Basheer, Bryan Magee, Marios Soutsos, 2014-08-18 The Concrete Solutions series of International Conferences on Concrete Repair began in 2003 with a conference held in St Malo France in association with INSA Rennes Subsequent conferences have seen us partnering with the University of Padua in 2009 and with TU Dresden in 2011 This conference is being held for the first time in the UK in associ Campus Plus 2014 Biju Mathew, 2014-05-31 India bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches is the land of hoary tradition and cultural diverse Vivid kaleidoscope of landscapes glorious historical sites and royal cities misty mountain hideaways colourful people rich civilizations and festivities craft India Incredible Recent years have witnessed the educational scene especially the higher education sector in the State undergoing a sea change in respect of quality diversity and accessibility in tune with the global

trends Kerala s surge in the educational front is to be viewed in the backdrop of the country s great legacy in education India has been a major seat of learning for thousands of years The country was home to Takshashila the first university in the world and Aryabhama the inventor of the digit Zero In fact education in Kerala has now become more value added and affordable thanks to the pro active initiatives of the State Government and active involvement of the private sector Moreover in the higher education market Kerala has a significant edge in respect of cost which means that there would be growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come With the most sought after professionals and excellent network of institutes Kerala is becoming the very preferred educational destination in the world And we are equipped for you with some elucidations which step up her significance in the educational map In Campus Plus we propose some valuable information along with a number of educational institutes in the State which will be useful for the students and parents in the higher education scenario

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