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2059 PAKISTAN STUDIES

2059/02

Paper 2 (Environment of Pakistan), maximum raw mark 75

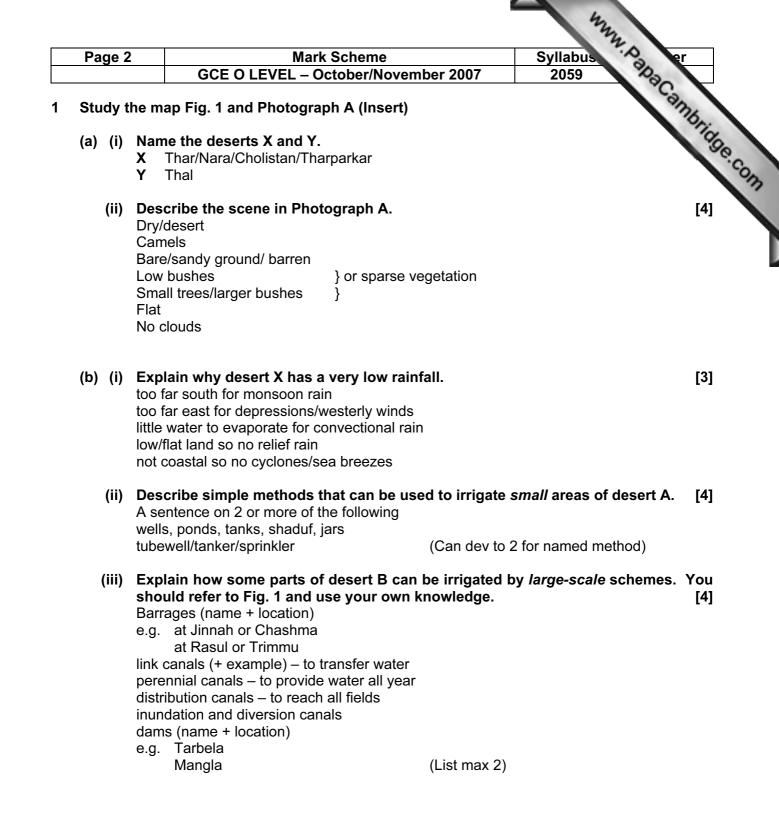
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

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Page	3		Mark Scheme	Syllabus	er
		GCE O LEV	EL – October/November 2007	2059	No.
(c) (i	area	s?	of waterlogging and salinity o	occur in some	N. BabaCambridge
		erlogging			90
		er available all yea			
		ertable rises/react			
	vale				
	<u>Salir</u>	nitv			
		poration of water			
		in irrigation water			
		s brought to surface	ce		
	Unlir	ned canals leak			
(ii) How	can these probl	ems be overcome?		[5]
	Low	ering water table	by tubewells trees		
	Cont	rol of water	by lining canals closing canals temporarily surface drains		
	Flus	hing out of salt	by water from tubewells surface drains		
	Edu	hing out of salt cation ernment schemes	surface drains to improve farming methods		

2 (a) Study Fig. 2 which shows the climate of Multan.

(i) Explain why cotton is grown in this area of the Punjab. Refer to Fig. 2 in your answer. [5]

Reserve 2 marks for reference to Fig. 2 High summer temperatures/Summer temperatures over 30/May–September 32–31 Temperature rises to 35 in June Not too cold/No temperatures below freezing/Lowest temperature 7 in Jan + Dec Some rainfall in April–May for sowing/15-18mms Rainfall increases in July–August for growth/to 60mm Little rain/dry on October–November for ripening and harvesting/less than 10mms

Other factors Alluvial/loam } Moisture retentive } Rich in humus } reference to soil max. 2 Lime } Deep soil }

Flat land Dry climate to reduce pest attacks Good irrigation available Good roads/infrastructure Access to capital/investment etc.

(NOT consequences e.g. fertiliser factories, population etc.)

	4 Mark Scheme Syllabus				er
		E O LEVEL – Octobe	r/November 2007	2059	
(b) (j)	Explain how	climatic hazards m	ay destroy or redu	ce the yield of cotton	amb
U) (1)	farms. Cold tempera Rain + damag Floods + can Thunderstorm	tures/Frost + can kill µ ges cotton boll before wash crops away/soil ns/Cyclones – damagon n reduce growth, kill y	plants picking l erosion es to crops/soil erosic ⁄oung plants	on amed hazard + 1 for expla	
(ii)	Virus/Pests/d Lack of <u>irrigat</u> 'Waterlogging Economic/dro Pollution + eff	isease + e.g. Leaf-cur <u>ion</u> water + reduces y and salinity' or other op in demand/other cro	rl virus or other name vield soil damage + reduc ops make more mone y floods/depleted by c	e yield ey crop amed factor + 1 for explan	
(c)	cloth	raw cotton	cotton yarn	ready-made clothes	
(i)	List the follor raw cotton	wing in order of pro- cotton yarn	duction. cloth	ready made clothes	[3]
(ii)	A a procesYarn/threB a manufa	nswer to (c)(i) state of sing industry ad or cloth acturing industry. eady-made garment	one product of:		[2]
(iii)	your answers Cotton grown Water for was Machinery fro Labour supply Power – natio Transport – g Tele-commun	s to (c)(i) and (c)(ii) a locally + ex shing om HMC/Taxila y – large skilled and u	and your own knowl inskilled population as pipelines, oil pipelir ransport north, south a ternet,	ne, power stations + ex	uld use [7]
	Dry port – to p EPZ – to impr Industrial esta Market – large Investors/entr	rove quality, better inf ates – for accommoda e population + ex repreneurs – for capita all stages of production	ation, infrastructure + al + ex	ex	

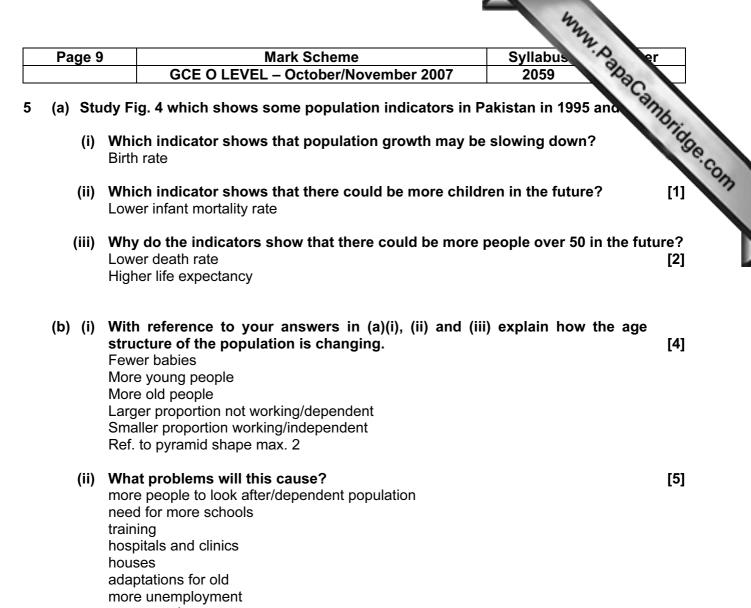
Page 5	,	Mark Scheme	Syllabus	er
		CE O LEVEL – October/November 20	007 2059	Da
(a) Stu	idy Fig. 3 wh	nich shows limestone and rock salt o	extraction.	Camp
(i)	Widespread	jab border/Potwar Plateau histan ar Karachi	on in Pakistan.	apaCambrids
(ii)		and Limestone are both 'bulky goo or these goods?	ods'. What is the cheape	est form of [1]
(iii)	that of rock does not ha	supply of limestone to most areas of k salt? ave to travel so far many areas/more widely available	of Pakistan likely to be ch	eaper than [1]
. ,	-	lion tonnes of rock salt were extract		[1]
()	brine			
(ii)		ck salt used for in Pakistan? reservation, soda ash, bicarbonate, o	caustic soda for tanning, t	[2] extiles and
		(Credit	2 uses, or one with develop	ment)
	Describe th Flat	raph B (Insert) showing a cement f he scene in the photograph. arren/unpopulated	factory near Ghulamullah	, in Thatta [4]
		I to factory		

 (ii) State three natural inputs that are needed to make cement. [3] limestone gypsum/calcium sulphate natural gas/coal clay/shale water sand

Page 6	Mark Scheme	Syllabus er
	GCE O LEVEL – October/November 2007	2059
diff you inpu elec roac labo tele mac	ctricity for power d/railway for transport our for good production communications for supply/sales etc. chinery for fast/efficient production	
diffi rem lack unre lack hot/	ital for investment <u>culty</u> ote from settlement of skilled/educated workforce eliable labour force of named infrastructure dry climate of local entrepreneurs (input + diffic	ulty 1+1)
Domesti Industria Institutic Commu Port dev Water m	there a large demand for cement in Pakistan? ic construction e.g. houses al construction e.g. Factories onal buildings/schools/hospitals/offices etc. nication e.g. roads, bridges, railway sleepers velopments nanagement e.g. Dams, canals, embankments d be linked to a new development e.g. Gwadar (Any line ma)	(2)

Pa	ge 7	,	Mark Scheme GCE O LEVEL – October/Novemb	oer 2007	Syllabus 2059	an er		
(a) Re		7 Mark Scheme Syllabus er GCE O LEVEL – October/November 2007 2059 ead the extract below and study Photograph C (Insert). uetta is an important and busy trading centre. One of its main trades is in textiles and othes. The centre of the city has seen many modern improvements to its buildings and immunications.						
	clot	hes.	an important and busy trading centre. (The centre of the city has seen many cations.		in trades is in text rovements to its	tiles and buildings a		
	(i)	in th Peop Many Texti Over Mode Tarre Truck	three features that can be seen in P extract. le/more than 5 shops/commercial buildings es/clothes shops head wires/power/telephone lines ern/concrete buildings d road d/4x4/car ter	'hotograph C	and agree with	what is said [3]		
	(ii)	Focu Main Nom Near Only Railv Airpo	rt al of Baluchistan			[3]		
(b)	(i)	elect road	two types of infrastructure shown in icity (wires) none (wires) (allow repetition of answer		ı C.	[2]		
	(ii)	as Q Elect Road Telep Wate Gas Indus Hote	ain why these, and other types of infruetta. ricity for offices, factories, lighting, powe s for transport of people and goods whone for quick communication, better b r for drinking, cleaning, hygiene, etc for power, heating etc. trialisation needs good infrastructure s for tourism, visitors nistration buildings	er, communica	-	i centre such [5]		

Page 8			lark Scheme		Syllabus	S. er	
		GCE O LEVEL	– October/Noven	nber 2007	2059	Day	
:		hown in Photog eper orker		ent that may be	taking place	papa Can.	bidge.
	No arab No past No mine No fores Creates	le land ure es or quarries	ry jobs available	in urban areas?			[2]
d) Stuc	dy Phot	ograph D which	shows a refugee	camp near Quet	ta.		
	dry/dese flat/slop hills in d stone/gr tracks tents/hu few peo few anir fodder/s wall poles	ing iistance ævel/barren/uncul ts ple nals	tivated				[3]
. ,	infrastr Lack of, Foc Wa Sar Med Hou Pow Dar	ucture and servi or provision of: od ter hitation dicine using ver nage to roads eaper labour for se	ces?	large numbers	of refugees	create	for [4]
						[Total:	25]



more pensioners

more pressure on government/services workers have to work harder/more stress

higher taxes

Page 10	0 Mark S	cheme	Syllabus Syllabus	er
	GCE O LEVEL – Octo	ober/November 2007	2059	
c) (i)	Explain the causes of rural-up Push factors (res. 1) Loss of agricultural jobs Lack of named facilities e.g. sho Lack of school/trained teachers Lack of health facilities/trained s Loss of land Natural disasters with example Poverty because of	ops, entertainment	Syllabus 2059 Apac	mbrides
	Pull factors (res. 1) Better pay More jobs Better lifestyle/bright lights effect Better education Better health services	ct/entertainment (max 1) (factor + explar (do not double	,	
(ii)	What problems are caused in Loss of workforce/only the old a fewer children loss of services e.g. education, loss of infrastructure e.g. roads loss of educated people/young women left behind/unbalanced lack of government investment/	and young left medicine, public transport , electricity, telephone people sex ratio	t, shops oped	[4]
(iii)	How can people be encourag Land reform and consolidation Better infrastructure (named) e. Better services (named) e.g. So Development of Cottage/small- Better communications e.g. Rad Government schemes Irrigation schemes	g. Electricity, water, roads chools, hospitals, clinics scale industries dio, TV		[4]
	e.g. Land reform because many Electricity supplies for raising liv More schools to increase literat Cottage industries for employm Radios for education/entertainn Tourism for employment	y farmers have small landh ving standards cy ent/income	unless statement is expla noldings	ined)

[Total: 25]