



PAKISTAN STUDIES

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GEOGRAPHY WEB EN HOW

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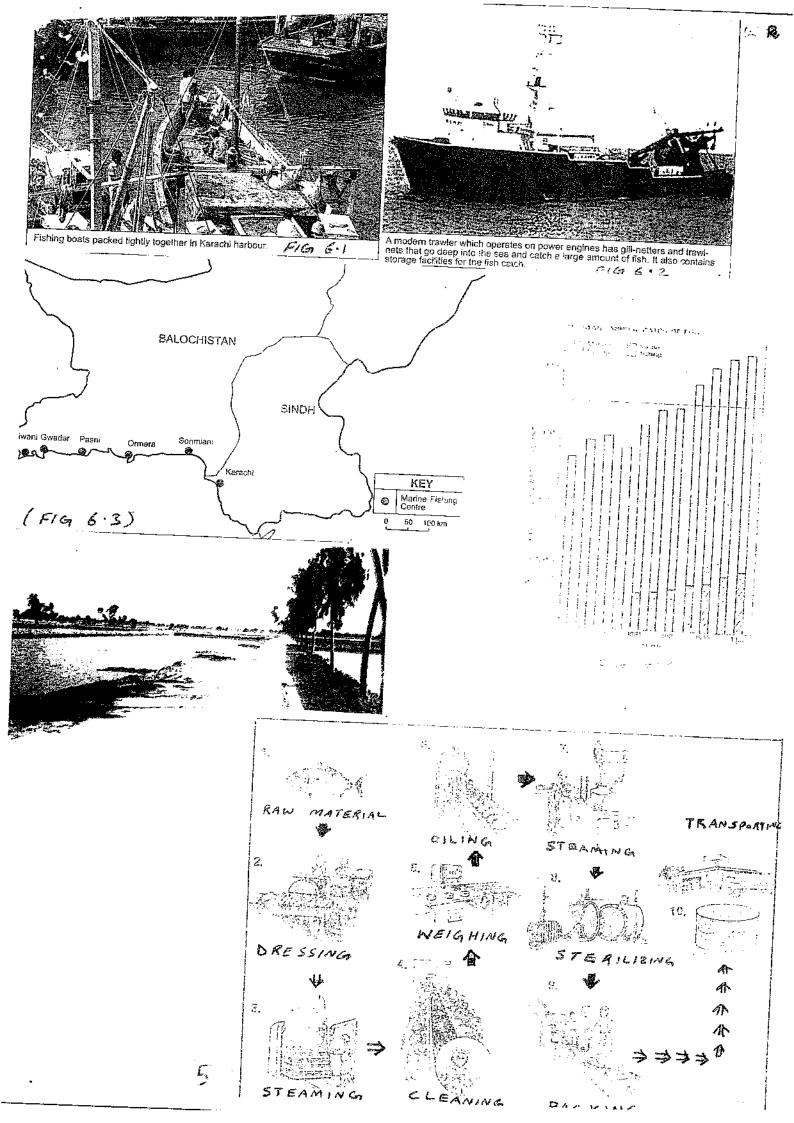
Fishing Industry Describe various types of fishing: 1) Marine Fishing: It is done from deep and can be divided into the following: Subsistence Fishing: It is done for themselves. It is done on small scale with the help of traditional methods and equipments. Wooden boats and cheap nets are used in it, so the total catch is less. The range of these boats is 3-5 km from the coast. a) Commercial Fishing: It is done for profit on a large scale; advanced methods and equipment are used, for example mechanized boats and special nets. The range of these boats is 50km from the cost. The total catch is much more. Karachi and Gwadar are the main centers of marine fishing. Examples: Shark, Herring, Drum, Mackerel, Croaker, Sardine, Cat fish, Pomfret, Skate, Ray and Shrimps. b) Inland Fishing: It is done from fresh water resources like rivers, ponds, canals, dams and barrages. The main centers of inland fishing are Kalri Lake, Haleji Lake, Manchar Lake, Dhabeji Lake, Kenjhar Lake and Hub Dam. Lake, Kenjhar Lake and Hub Dam.

Examples: Palla (Sindh), Rahu, Thaila, Mahaseer and Traut (KPK). Describe the factors, which account for the development of fishing centers along the Sindh coast. (OR Compare the Sindh Coast with Makran Coast) From 30% area of Sindh coast, marine catch is 70% and from 70% area of Makran coast, marine catch is 30%. **NATURAL:** Wider continental shelf than Makran coast which provides Planktons (Sea Plants & insects). 2.. Indus delta is rich in seafood due to large number of Mangroves. 3. Naturally more species in Sindh Caost than makran Coast. 4. **HUMAN**: A large number of creeks, sheltered harbors. 1. Advanced facilities for processing, preserving and export. 2. Developed province with infra-structure facilities 3. Many fish markets in Sindh than Makran. 4. More commercial fishing in Singh than Makran. 5. Fish catching zones are linked with markets by road in Sindh. 6. Describe an account for the main features including recent development along Sindh and Makran coast associated with the processing and marketing of marine fish. Docking of sail boats, handling and preserving of marine catch at Makran coast 1. Nets of good quality are available cheaply in the market 2. Fishermen are given Idans to buy bigger and better boats. 3. Fisheries Training Institute and Technical labs have been established in Karachi 4. Construction of Pasn/ Fish Harbor, Korangi Fish Harbor, and an expansion of existing fish / 5. harbor at Karachi. Boats and trawlers with wireless receivers are given to fishermen bella telecomments. 6. Weather stations have been established at various locations. 7. In Makran coast infrastructure facilities are being provided. 8. In Inland areas of Pakistan, fish farming has expanded during recent years. Explain why this expansion has taken place. Demand of people due to increase in population 1. Upgrading of economic condition of fishermen 2. Short term return of investment with high profit 3. Good domestic market for fish and other sea food 4.

tipere agriculture council be done; aquaculture con be

5.	Provision for loan for aquaculture
6.	Provision of better fishing equipment
7.	Technical training centers for fishermen
8.	Due to water logging and salinity, many people are coming towards inland fish farming.
	Scaling towards main isn raining.
Wh	at harms the fishing industry in Pakistan? (Sustainable fishing)
1.	Water pollution by industrial waste
2.	Reckless cutting and destruction of mangroves by men
3.	Over fishing during breeding seasons
4.	Lack of handling and preserving facilities
5.	Insufficient knowledge of fishermen due to widespread illiteracy
6.	Inadequate size of equipments for entire fishing fleet.
7.	Under exploited status of in and fisheries
8.	Rough weather and sea storms due to fewer weather stations.
9.	Lack of infrastructure and preserving facilities at Makran coast.
10.	High prices of oil which is used in mechanized boats.
Sugg	gest measures to protect and develop the fishing industry in Pakistan.
L.	Establishment of training institutes for fishermen
2.	Provision of infrastructure facilities especially in Makran coast
3.	Provision of loans to fishermen to buy bigger and better boats.
4.	Finding more fish-markets in world
5.	Minimizing the life risk for the marine fishermen by establishing weather stations
6.	Establishing more docks and harbors.
7.	Eliminating industrial pollution
8.	Putting a ban on fishing during breeding seasons
9.	Creating awareness among the people about the importance of fish food.
	가는 잘 들어가게 하는 것이 보는 것이다. 그는 사람들은 얼마나는 얼마나 보는 것이 없는 것이 없는 것이 없는데 없는데 없었다. 그 없는데 그렇게 되었다.
What	are the uses of fish & also tell the main fish markets in the world for Pakistan's fish.
It is a	Source of food, Provides employment to many neonle Poultry feed to prepared liver dit &
Source	of foreign exchange earning in case of exports to JAPAN Malabsia Sel Landa 1184 &
UAE.	
	JUNAID AKHTER 0300-2187567
Desci	ribe the process of keeping fish on the fish farms.
Small	Scale: In small farms in villages shallow tanks are prepared in which the sides are prepared
WILL D	aked Dricks or cement while the bottom remains soft. After filling the water in the tenks lich
11105 a	te taken from natchery, then feeding & breeding is done. When the fish reach to specific sizes
they ar	is soid locally.
Large	e Scale: In large-scale govt. farms there are cemented shallow tanks in which fish are kept.
AAHCH	the fish are ready for preeding their eggs are taken out & reacted with male charme. They are
Kept in	dark rooms in trays for a specifid period, when the fries come out from the egge they are blant
mito tai	incs. According to the sizes of the fish fries they are kent in different tanks. When they reach to
specifi	c sizes they are sold in the markets.
(a) (i) P	Name two fishing ports on the coast of Balochistan.
orwain,	Gwadar, Pasni, Ormara, Sonmiani
(ii) Nan	ne two types of marine fish caught by fishermen.
Shark, 1	Herring, Drum , Mackerel, Crooker, Sardine , Cat fish, Pomfret, Skate, Ray
	P)

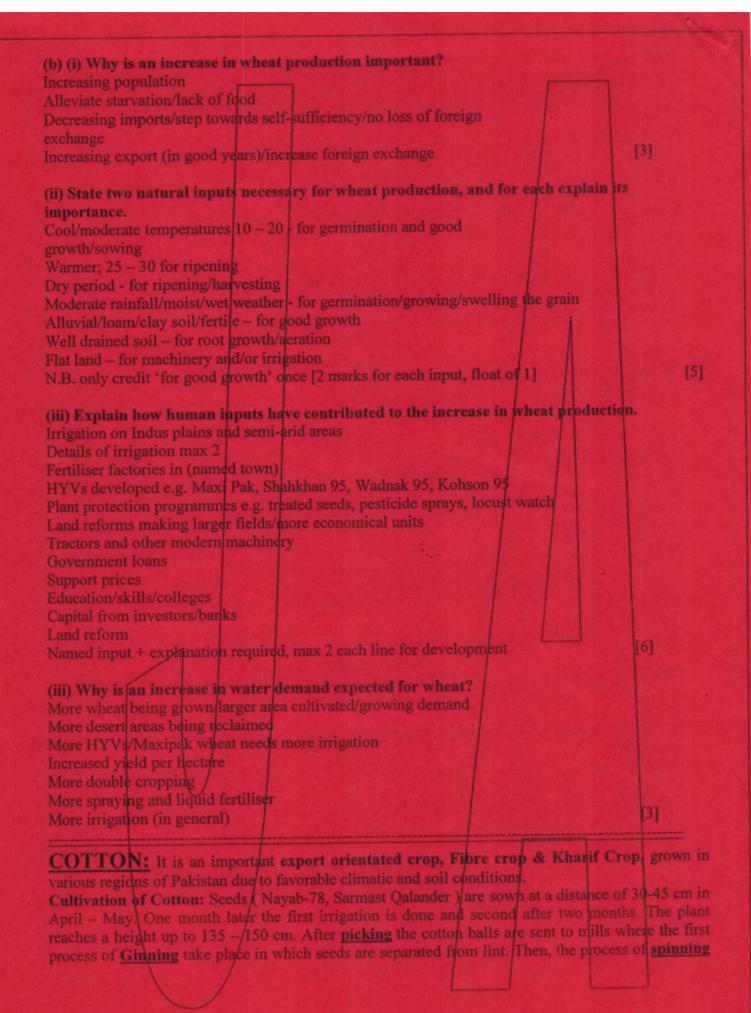
(iii) Describe subsistence fishing methods. Small/wooden boats	Rod and line method	
Sailing/rowing boats	Fish kept in baskets of ice	
Traditional/hand made nets		
Coastal only	· · · · · · · · · · · · · · · · · · ·	[3]
Lack of machines/simple engines		ETERNIS TO
(iv) Explain how these methods can be improved		
Engines Gill netters/nylon nets/stronger nets	Trawlers Loans for	4129
Can go further offshore	Education/training for	
Radios		
Chilled storage on boat		[4]
(b) (f) Warm our fish he stored and macrossed each		1
(b) (i) How can fish be stored and processed onsho In ice/cold storage/refridgerated	Salted	
Gutted	Fish-fingers/other product	
Canned	Fish oil	1
Dried		
Frozen		[3]
(ii) Why is fish processing called 'value-added'?		
Can be sold for more money/more profit		[1]
(iii) How does the poor infrastructure of Bale	ochistan make development of the	ishing industry
difficult? Poor roads/no railway for transport		
Lack of electricity/power for processing		
Poor telecommunications to markets		
Lack of fresh/clean water for processing		
Illiteracy/lack of training/lack of education		[4]
(ii) Explain why more people are employed in inla	and fisheries than marine fishing.	
More people live near rivers, lakes etc.	Transport	
Maintenance of ponds	Government encouragement/loans	etc.
Hatcheries Feeding	/ (3	1
Harvesting (catching)		
This results (catering)		
JUNATOA	KHTAI	
JUNALDA		
Sin Contract of the second		
and the second		Se Sea Co
		Market 1



AGRICULTURE

SYSTEM OF AGRICULTURE; NATURAL INPUTS: SOIL: (Alluvium or barren) LAND: (Flat area or uneven area/ Extensive), RAINFALL: (Rain fed or Irrigated) CLIMATE: (moderate or extreme), Machinery, High Yielding Varieties(HYV's), Chemical Fertilizers, Pesticides, Irrigation methods, Knowledge, Labour, Size of the Farm, Capital etc. Ploughing, Sowing, Irrigating, Fertilizing, Weeding, Pesticiding, Harvesting & Threshing. OUTPUTS: Wheat, Rice, Cotton etc. BASIC DEFINITIONS: ARABLE FARMING: Concerned with the production of crops. DAIRY FARMING: Concerned with the rearing of the cattle for milk & other dairy products. LIVE STOCK OR (PASTORAL FARMING): Concerned with the keeping of animals for various uses like milk, meat. skin & manure. MIXED FARMING: A farm where both crops are grown & animals are kept. CO-OPERATIVE FARMING: A system in which number of farmers co-operate in the purchase of seeds, fertilizers etc and later share the crop production. PERINNIAL CROPS: A crop which can be grown throughout the year like sugar cane & tobacco CROP ROTATION: When on the same land different crops are grown but not the same crop again & again like after rice & sugar cane the next crop should be wheat & cotton. FOOD OR STAPLE CROP: A crop which is the basic need of the people for food. GRAIN CROP: Crops which contain grains like wheat, rice and millets. FODDER CROP: A crop which is grown for the fodder of animals only. RATTOON CROP: A crop which can be harvested more than one time from the same season like sugar cane & cotton. BARANI FARMING: Farming based on rainfall. CONTROL PRICE: The price at which the Govt. purchases the crop from the farmers to sale. SIZES OF FARMS: Small (2-3/6 Hectare), Medium (12 hectare) & Large (120 Hectare) Define the terms cash crop farming and subsistence farming. Subsistence Farming: It is done on small scale with traditional methods and farmers grow the crops for their Cash Crop Farming: It is done on large scale with modern methods and equipments and it is done only for profit. Describe the cropping seasons with examples. There are two cropping seasons; one is called "Rabi," which is sown before the beginning of winter (Oct. Nov.) and harvested early summer (April - May). Examples: wheat, barley, gram, oil seeds and pulses. The other season is called "Kharif," which is sown in summer (April - May) and harvested in winter (Oct. -Nov.). Examples: rice, sugar cane, millets, maize and cotton. There are some crops, which are grown in summer and others in winter due to the requirements of those crops, because some crops need cool and some hot climate at the time of sowing and they are also harvested according to specific conditions. The crops which require more water mostly we grow in summer and those require less water we grow in winter. That is why we grow some crops as "Rabi" and some as "Kharif."

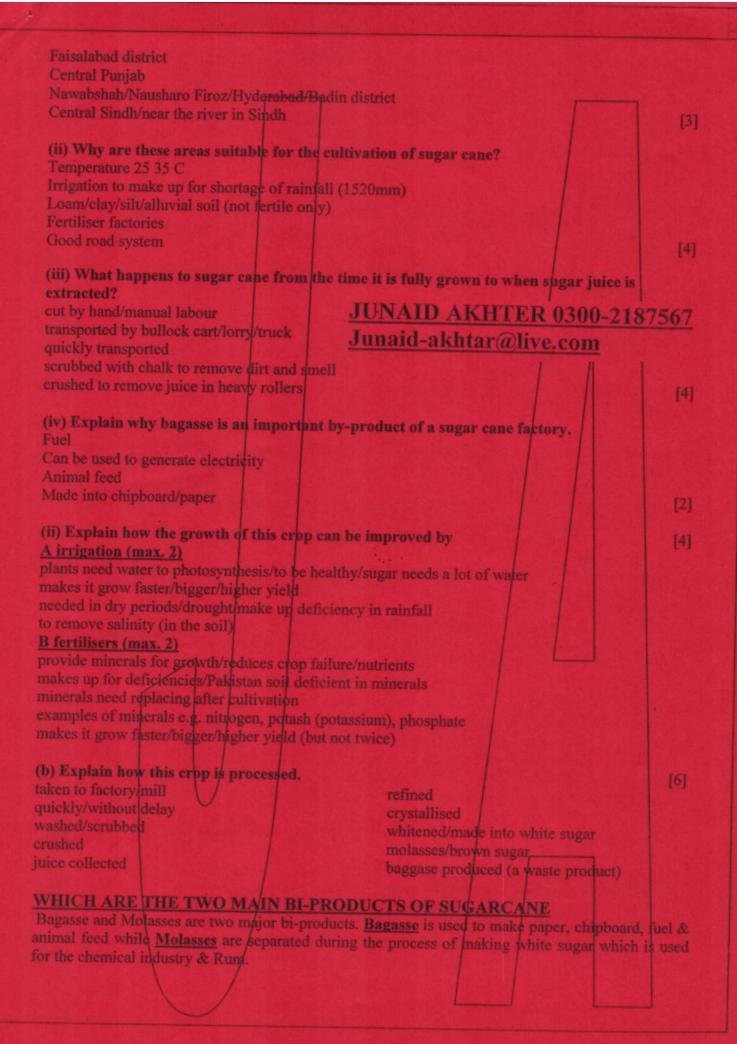
1	ash Crops	Subsistence Crops
	They are grown on large scale	They are grown on small scale
2	Modern methods and machinery are used	Traditional methods & equipments are used
3	Ploughing is done with tractors and sowing is done with machines	Ploughing and seeding are done manually
1	HYV'S (High Yielding Variety Seeds) are used which give more output	Ordinary or DESI seeds are used which
;	Water is used from canals or tube wells	give less output Water from wells is used
	Chemical fertilizers are used to enrich the soil	Animal dung is used to enrich the soil
	Harvesting and Threshing is done with machines	Harvesting and Threshing is done manually
	Pesticides are used and crop production is more	or with animal power No pesticides are sued and crop production is Less
	and the requirement	Rabi, & Staple food crop. The canal-irrigated area ants of wheat. e fields in Oct. – Nov., seeds are sown. Wheat does
-	e production of wheat has increased much	one sometimes with "Combine Harvesters" in whosistence farming it is done manually.
k p in	production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wan perature: 10-20°C (growing) and 25-30° infall: Moderate rainfall. At the time of his to swelling.	osistence farming it is done manually. In more due to the use of Fertilizers and HYV's (Mean f-sufficient in its production due to ever increase atter-logging and salinity. C (harvesting) arvesting, light rain can increase the size of the grant of th
k p en ain e ai	e production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wanperature: 10-20°C (growing) and 25-30° nfall: Moderate rainfall. At the time of his to swelling. In Areas: Nawabshah, Rahimyar Khan, Mi	osistence farming it is done manually. In more due to the use of Fertilizers and HYV's (Meanuficient in its production due to ever increase atter-logging and salinity. C (harvesting) arvesting, light rain can increase the size of the graduan, Bhalwalphur, Bannu, Swat and Artock.
k p nin e nin e ni	e production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wannerature: 10-20°C (growing) and 25-30° and 125-30° and 125-30	osistence farming it is done manually. In more due to the use of Fertilizers and HYV's (Mean fisher of the use of
k prince ai	e production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wanperature: 10-20°C (growing) and 25-30° Infall: Moderate rainfall. At the time of his to swelling. In Areas: Nawabshah, Rahmyar Khan, Mucribe how natural inputs favor the cut to presence of favorable climate, topografabor. I and why may the production of what	osistence farming it is done manually. In more due to the use of Fertilizers and HYV's (Meanuficient in its production due to ever increase atter-logging and salinity. C (harvesting) arvesting, light rain can increase the size of the graduan, Bhalwalphur, Bannu, Swat and Artock.
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k prince ai se li was e so	e production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wanterature: 10-20°C (growing) and 25-30° nfall: Moderate rainfall. At the time of his to swelling, In Areas: Nawabshah, Rahimyar Khan, Misteribe how natural inputs favor the cut to presence of favorable climate, topografabor. and why may the production of what rds? to strong winds in May and June, windsteen and pests and diseases. Loss of foreign exchange	in more due to the use of Fertilizers and HYV's (Mesufficient in its production due to ever increase atter-logging and salinity. C (harvesting) arvesting, light rain can increase the size of the gradtan, Bhalwalphur, Bannu, Swat and Artock. Altivation of wheat in this region (Punjab). Phy, doabs, bar uplands, five rivers, moderate rainful in the Punjab sometimes be affected by natural orms in February and March, floods during Monso from having to import large quantities of wheat. 4. Inflation increases
k pinie ai se li was se c	e production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wanterature: 10-20°C (growing) and 25-30° nfall: Moderate rainfall. At the time of his to swelling, In Areas: Nawabshah, Rahimyar Khan, Misteribe how natural inputs favor the cut to presence of favorable climate, topografabor. and why may the production of what rds? to strong winds in May and June, windsteen and pests and diseases. Loss of foreign exchange Burden on government Loans to be taken JUNAID	in more due to the use of Fertilizers and HYV's (Mesufficient in its production due to ever increase iter-logging and salinity. C (harvesting) arvesting, light rain can increase the size of the graltan, Bhalwalphur, Bannu, Swat and Attock. Ilitivation of wheat in this region (Punjab). phy, doabs, bar uplands, five rivers, moderate rainful tin the Punjab sometimes be affected by natural tin the Punjab sometimes be affected by natural forms in February and March, floods during Monso from having to import large quantities of wheat. 4. Inflation increases 5. Development projects to be stopped.
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ik penine ai esi esi esi esi esi esi esi esi esi es	e production of wheat has increased much, Shah Khan), but still we are not self- ulation and decrease in land area due to wanterature: 10-20°C (growing) and 25-30° nfall: Moderate rainfall. At the time of his to swelling, In Areas: Nawabshah, Rahimyar Khan, Misteribe how natural inputs favor the cut to presence of favorable climate, topografabor. and why may the production of what rds? to strong winds in May and June, windsteen and pests and diseases. Loss of foreign exchange Burden on government Loans to be taken JUNAID	in more due to the use of Fertilizers and HYV's (Mesufficient in its production due to ever increase and ter-logging and salinity. C (harvesting) arvesting, light rain can increase the size of the graditan, Bhalwalphur, Bannu, Swat and Attock. Altivation of wheat in this region (Punjab). In the Punjab sometimes be affected by natural tin the Punjab sometimes by affected by natural tin the Punjab sometimes by affected by natural tin the Punjab sometimes by



takes place in which cotton yarn is manufactured. Then Weaving of cloth is done. The seeds of cotton are used as animal feed and oil is also extracted from these seeds. Temperature: 25-30°C for cultivation and harvesting with bright sunshine. Rainfall: Ample rainfall preferred but rain at picking spoils the balls. What harms the cotton? Leaf Curl Virus and fruit shedding are the main problems. Due to the use of chemical fertilizers, pesticides and HYV's (Nayab 78, 149-F), the production of cotton has been improved much. Major Regions: Nawabshah, Sangarh, Rahimyar khan, Multan and Bhawalpur In Balouchistan, "Lasbela" has become a major region due to fine production of cotton. Quetta is market orientated because of the sale and purchase takes place in this area in spite of the fact that cotton is not grown in Quetta. (iv) Why is a much smaller increase in water demand expected for cotton? Less land suitable for cotton/too wet in North Fertile soil needed - fertiliser expensive Fluctuating export demands due to competition Fluctuating prices Land changing to wheat cultivation Cotton not needed for food Cotton cultivation expanding more slowly than wheat/other crops RICE: It is an important export orientated, Grain & Kharif crop the best quality of rice is grown in various regions of Pakistan due to favorable requirements of rice. Cultivation of Rice: It is grown on a large scale in the Punjab and Sindh. Rice seeds (Basmaji super, Irri 6, Irri-Pak & Rechna) are grown into beds or nurseries. When the plant is about 9-inches high, it is transplanted into prepared fields with a lot of water (Paddy field), which have been flooded to a depth of 30-37 cm. The rice fields are kept full of water until the rice is ripe. The water is then drained off before harvesting. Threshing of rice is either done with the help of animals or machines. After threshing, rice is sent to rice mills for polishing and packaging. Rice hust is used for making cardboard or covering of roofs. Temperature: 20-30°C (growing) and a warm dry temperature for harvesting. Rainfall: Heavy rainfall (growing). Requires much water for 4-6 months growing period. Major Regions: Larkana, Sialkot, Gujranwala and Sehkhupura. (b) (i) Explain why the cultivation of rice is abour intensive. Refer in your answer to the work done from planting the seeds to harvest. Each of these needs a phrase as below nursery for seeds repairing bunds for water prepare fields by plouging/weeding, JUNAID AKHTAR 0300-2187567 flooding/irrigation, transplanting seedlings fertiliser for nutrients/good growth pesticid to kill pests/for better growth drain water cutting/harvesting ripe crop [5]

(ii) Name a type of machine that can be used for rice cultivation instead of human
labour tractor, harvester, mechanical irrigator (not thresher for cultivation) [1]
Hactor, mar vester, incommitted in special control
(c) (i) State two climatic inputs for rice cultivation.
high rainfall/over 1500mms/ more than 1270 mms
temperature 20 – 30 C
warm, dry period for harvesting
(ii) How can the yield(production) per hectare of rice be increased?
Ideas such as
I import/UVV varieties/ genetic modification to increase output
Modern irrigation / perennial canals to give better water supply/at correct times
Modern fertilisers/pesticides to improve growth/prevent loss
Machines to make work faster
Education to make farmers aware of better methods
Reduction of waterlogging and salinity to increase cultivable area [6]
(Max 2 per line for example or dev.)
SUGARCANE: It is an important crop from which sugar, brown sugar and Gur are made.
the higgest crop of Pakistan.
a see of the Company Control of the
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
imigation and application of fertilizers, especially polash. If the land is well imigated their indipension
rise up to the height of 6-7.3 meters and the crop can be harvested 2-3 times a year
TRANS. Thatte 10 IN 99-1
Temperature: Requires temperatures of 25-35°C. Tolerant to frost for a short period
Rainfall: Requires plenty of rainfall, up to 1520 mm.
 Soil: Can be grown in a variety of soils. Loam and clayey soils with silt are most suitable as they
2. Can be grown in a variety of soils. Loam and crayey soils with the area retain water
1 . Cartailata from the coil
3. Consumes a lot ornutrients from the son. 4. Application of manure and fertilizers containing nitrogen, phosphorus and potash is needed
every year.
THE STICARCANE FIELDS
DESCRIBE WHY SUGARMILLS SHOULD BE NEAR THE SUGARCANE FIELDS Cutting the sugarcane requires manual labor. After cutting the crop it is immediately transported to
the sugar mills located near the fields. If the transportation of the crop is slightly delayed, the sugar
1 1 1 - 1 - t - 10 cing rejoint
11 11 - The Court Mond with Chair to Court Man
of the land the dane through heavy rough, it is future processed to Page
"white sugar." In villages "Gur" and "brown sugar" are also prepared from sugar juice.
(iii) Why is there such a large production of sugar-cane from a small area?
Large/tall plant [2]
High yield per plant
(i) Name the areas of high sugar cane production.
Peshawar district
NW of NWFP

.



The period of employment for the people associated with Sugarcane is very short (160 Days). How can the problem of unemployment be solved?

We know that there are two main by-products of sugarcane. They are Molasses, which can be used for the preparation of acids and Bagasse that can be used as a raw material for the chipboard industry. So, with the help of these two sectors, employment can be provided to the people associated with sugarcane.

TOBACCO:

Tobacco is mainly grown in the NWIP, which accounts for about 65% of the total production. Mardan and Peshawar are the main tobacco growing regions. The balance is cultivated between Sialkot, Gujranwala and Multan.

It can be grown in a variety of climatic conditions but its export varieties are grown on fertile soil with irrigation facilities.

MAIZE: It is a Kharif crop. It is a food grain as well as a raw material for edible oil production. It is used in the manufacture of corn flour, custard powder and other processed foods. It is also used as fodder for animals and birds.

Temperature: Requires high temperatures up to 35°C

Major Regions: Swat, Mardan, Swabi Batgram and Bunair.

PULSES: Pulses are rich in proteins and they are popular in the local diet. Pulses fix nitrogen in the soil, thereby helping to fertilize the crop that follows. Generally pulses are considers low value crops so the farmer pays little attention to them other than scattering seeds on the land. When the crops are harvested very little care is taken because the cash returns are low and consequently inputs are minimal. Important pulses are: Mung, Mash, Grams & Masoor.

MILLETS: Jawar and Bajra are two types of millets produced. They are folder for animals and birds and also used as a food crop. Millets are coarser cereals when ground into flour.

Temperature: 30-35°C

Rainfall: Does not require much rain is drought resistant

Area of Cultivation: Tharparkar (Sindh), Kohat (NWFP), Attock, Rawalphindi, Jhelum, Sargodha, Dera Ghazi Khan, Bhawalpur, etc...

OIL SEEDS: Oil seeds like sunflower, Soya bean, are sued to extract edible oil. Some other varieties of oil seeds like rapeseed mustard, sarson, rai, sesame, linseed and castor seeds are also cultivated Linseed and Castor seeds have industrial uses.

However, the production of oil seeds is in sufficient to cater for the needs of a growing population. The domestic requirement/has almost doubled during the last 7-8 years with the high population growth. About 32% of the demand is met through local production with remaining imported from other countries like Malaysia.

Major Regions: Attock, Chakwal, Sialkot, Bahawalnagar, Bahawalpur, Rahimyar Khan, Jafferabad, Khairpur, Nawabshah and Sangharl

What Are the Factors Affecting/Farming?

There are two types of factors, human (economic) and natural (physical) as given below:

Natural (Physical) Factors:

Relief: Normally, the flatter the land, the larger and more efficient is the farm. The more valuable crops, like wheat, cotton, sugarcane, are successfully cultivated on flat lands.

Continuous large commercial farms are non-existent in the mountainous areas. Output tends to decline as the land gets steeper and higher

Soils: Rich soils produce high farming output. Alluvial and Loess (fine soil deposited by 2. wind) are best suited for farming if water is available. River Indus and its mibutaries spread alluvium on their banks making the soil rich and fertile. Soils that are rich in humus are also well suited for farming. Although Pakistan's soils lack organic matter, nitrogenous fertilizers can meet this deficiency. These are making soils suitable for cultivation of many crops. 3.

Rainfall: The areas located to the north, including the Potwar plateau, receive adequate rainfall. For most of the year, this area tends to produce crops without irrigation and has good grazing for animals. The direr areas towards the south and east are more suited to arable farming with the help of irrigation.

Temperature: In the Northern areas, the length of the growing season is limited from April 4. to September whereas, in the sunnier south, cereals and fruit can ripen throughout the year. If the climatic conditions will be extreme it would not help agriculture.

Pests and Diseases: Pests and diseases are likely to attack crops if preventative and curative 5. measures are not taken. This problem is more common for small-scale subsistence farmers who cannot afford to by pesticides and insecticides. An attack reduces crop output as sometimes the whole crop may be destroyed.

Human (Economic) Factors:

Irrigation Facilities: If rainfall is not sufficient or reliable, farming can still thrive with irrigation. Even in humid regions, irrigation is used to improve yields. With the extension of irrigation facilities, crops can be grown twice or thrice a year and the cultivable area increase. Imigation can also cause problems such as water logging and salinity.

Fertilizers: The application of fertilizers (traditional manure or chemical fertilizers) has increased output. Nitrogenous fertilizers are used extensively. They are 75% of the total fertilizers used, as the soils are deficient in organic matters. Phosphate and potash constitute the remaining 26%.

Mechanization: The introduction of machines like tractors, tillers, combine harvesters, threshers, reapers and trans-planters for rice, has increased agricultural output but has led to a sharp decline in the agricultural work force.

High Yielding Varieties of Seeds (HYV): The use of HYV's also increases output by 10-20%, if fertilizers are applied and sufficient water. HYV's are used extensively on commercial farms.

Marketing of Agricultural Products: It is the business activity of directing agricultural products from the farms to the people who consume them. It includes the transportation, processing, storage, wholesaling and retailing. Agricultural marketing is disorganized with a lack of transportation faculties and large number of intermediaries, resulting in an increase in costs and reducing output.

Size of Farm: The size of a subsistence farm is small. Population pressures and laws of inheritance have led to the breakup of farms into small cultivation units. These small, fragmented farms are 1.

Machinery cannot be used

Small and fragmented holding are difficult to supervise 2.

Loans cannot be obtained to develop the holdings. 3. 4.

Irrigation on small and discontinued farms is difficult 5.

Experiments cannot be carried out for increasing production. 6.

Output and profits/are small. Solution lies in consolidation of holdings

Plant Protection Programs: Pests and insects inflict heavy losses on crops. Plant protection programs can be preventative and curative. Preventative measures include aerial and ground spraying with insecticides against pests and diseases. The program maintains vigilance surveys for

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 $L^{\mathbb{Z}}$

control of locusts in the country, particularly in the desert areas. Public sector provides pest security advisory services and aerial spraying. **TOBACCO** OILSEEDS MILLET 2 (a) MAIZE PULSES [2] (i) Name two crops on the list that are used mainly for animal feed. maize, millet, oil seeds [1] (ii) Name one crop on the list that is not a food crop. Tobacco [1] (iii) Name one crop that is rich in protein. [1](iv) Name one type of oil seed. Rape, mustard, groundnut, sesarhe, sunfilower, safflower, soya bean (c) (i) Explain why crop yields may be low when subsistence farming methods are used. [6] Uneducated / lack of knowledge of modern methods / use of traditional methods Animals / draft power Primitive irrigation system No mechanisation / tractors Family / unskilled labour Poor seed / seeds from last harvest / no HYVs No fertilisers / pesticides Dung for manure (ii) To what extent can training and land reform be successful in increasing [6] agricultural production? Training (res. 1) Better marketing Better management / efficiency Land reform (res. 1) Better methods of cultivation, More efficient use of land Knowledge of disease Fields for mechanisation, Better seeds / use of HYVs Less time wasted! Proper use of fertilisers and pesticides Lower transport ¢osts Use of machinery / technology Better money management / dan get loans (d) How can education and training help a small-scale farmer to increase his output? Learn about modern methods e.g. seeds, machinery, pest control Learn how to avoid crop failure Improve literacy e.g. read about what other farmers are doing, where to sell to make [4] most profit Take loans - must be related to education or literacy (ii) What are the advantages and disadvantages of using tractors instead of animals for work on a farm? Advantages (res.2) Faster/quicker/suitable for larger fields More efficient/modern/less hard work/do not tire Needs fewer workers Saves animal feed/land/cost of arrimals

Disadvantages (res.2)		
Expensive to buy	No milk/meat/food etc.	
Cost of fuel } max. 2 costs	No dung for fertiliser	
Cost of repair/difficult to repair }	Maintainance/repair facilities	
Breakdowns	Cannot use in mountains/fragmented f	arms
Unemployment		
Needs skilled labour	[6]	
	[
Compact the ground		
L		
(iv) Describe three other processes that	t may be carried out before the crop is harvested	
A short sentence about		
Sowing seeds		
Fertilising to provide extra nutrients		
Weeding to give plants space to graw Irrigation / watering to provide water		
Spraying pesticide to kill insects / wirus	s / weeds etc.	[3]
Spraying pesticide to kin move to an a	, , , , , , , , , , , , , , , , , , , 	
(c) (i) Why does the output of a small-	scale subsistence farm vary from year to year?	
Variable rainfall / monsoon / water su	pply (flooding max. 1)	
Pests and diseases		
Uses own seed / not HYV's	.	
(any line can be developed to 2)		[4]
(ii) If a farmer has a good crop and ca	n sell some in the market, how may he use the	
money (capital) he earns to improve h	is yield (production) for the next year?	
Better seed - HYV, GM, disease/pest	esistant	
Fertiliser – to provide nutrients		
Pesticides – to kill insects, viruses etc.		
New animals - younger, better breeding	North	
New tools/implements - better/faster v Repairs - to machinery, irrigation sys	tom storage etc	į
Etc.	toni, storage etc.	1
(any line can be developed to 2)		[4]
(iii) Give two ways in which a small-so	ale subsistence farmer can supplement his income.	
Carpenter		1
Blacksmith		
Shoe-maker/cobbler		
Driver		,,,
Ete.		[2]
} }		1
TAROCCOLUMN THE REAL BARAGES	AREAS OF FRUIT FARMING IN PAKIST	'AN
DESCRIBE THE MAIN	AREAS OF FRUIT PARIMITY OF TAXABLE T	ANI VE
Dates are commonly growth in the	e areas of Baluchistan where Karez system is used like T	urbai &
Miri. In the areas of Sindh/it is gr	own in Khairpur & Sukkur.	Ì
Banana is grown in some parts of	f Sindh like in Hyderabad & Badin .	
In Sindh & Phniah there are ma	and areas where mangoes are grown & they are famous	ih many
parts of the world like Mirni	ur Khas, Sangarh & Hyderapad in Sidh while M	ultan &
Dhamalana Citana fanita lika C	byanges & Lemon are grown in central & eastern Pu	niab like
Bhawaipur, Citus huns like C	of low temperature in Baluchistan & NWFP almonds, a	pricot &
Sargodha in Punjab.in the areas	of low temperature in Datachistan & Wagington AWFD	1
apples are grown like in Quetta, (Jhaman (Baluchistan) & Swat, Deer & Waziristan (NWFP	7
\		ł
(a) (i) Name the two main fruit ch	ops grown in area A.	
apples, apricots, almonds	[2	:] [
(ii) Why are fruit crops grown in	mountain valleys?	1
		J
warmth		

shelter sunshine	
rain/less snow soil flat land (iii) Name one of the main fruit crops grown in area B.	[3]
Bananas/mangoes/citrus fruit	
(iv) Why are fruit crops grown in this area? Monsoon/summer rainfall Mild winter temperatures/above 15 C Irrigation (from the River Indus)	[2]
(v) Why are fruit crops grown mainly for local use?	[~]
Perishable Heavy to transport Small amounts/not of export quality	[1]
(ii) Explain how karez irrigation helps date palms to grow in the oases of area C.	[-]
Provides water for growth (max 1) Underground canal/subterranean From mountains/foothills	
From aquifer/groundwater/soaks into ground More rain on mountains/higher slopes	
Reduces evaporation	[3]
(iii) Name one other type of crop grown in eases. Vegetables- allow any name/tobacco	
Named cereals – millet (bajra), sorghum (jowar), barley/maize, pulses	[1]
(iv) How is crop growth improved by the date palms nearby? Shade from/sun/extreme heat/reduce evapotranspiration Shelter from winds/windbreak	[2]
Why were land reforms introduced in Pakistan?	
 Breaking hold of large landlords Equitable distribution of land 	
 3. Protection of the tights of tenants 4. Consolidation of holdings 	
(c) (i) What did the land reform laws aim to do? Redistribute land more equally/more fairly/ceiling on land holdings	
Take land away from large landowners/landlords and give it to the tenants/poor farmers/protect tenants from eviction	[1]
(ii) What are the advantages of land consolidation? Economic units Opportunities for research	ļ.
Use of machinery modern methods Bring more land into cultivation Easier to supervise	
Better irrigation [4] Better opportunity for investment/easier to get	
loans	

Expl	lain why the use of machinery is limite	ed on so	ome farms <u>in Pakistan.</u> Descril	be the
adva	intages and disadvantages for farmers and	Pakistan	of the use of machinery on farm	s.
			Advantages	
1.	dvantages	1.	More jobs in machine production	1
2.	Unemployment in agricultural sector	2.	Machine Industries indrease	
3.	Loss of foreign exchange	3.	Better and more crops	
	Increase in oil consumption	4.	Replacement of labor force	
4.	Burden on economy	5.	In case of export of crops and f	oreign
5.	Loans to be taken		exchange	oreign
Desci	ribe methods, introduced by government to	increac	a HVV2a amaila kiika	
farm			use use	
	Research labs have been set up	2.		them
1.	More shops have been set-up in	3.	the state of the s	radios
	villages		Loans are being given to far	rmers.
Doggo	41			
The	ibe problems, which have resulted from the	e use of I	HYV's & methods to overcome th	em.
1.	on loses us terminy and their solutions are:			
2.	Give rest to soil * Stop use of HYV's * Us	se of natu	ral manure	
4.	Grow pulses, which fix the nitrogen from the	e air.		
Descr	ihe methods which have been at			
1.	ibe methods, which have been used to prote	ect crops	from pests	
2.	Use of treated seeds * Aerial and grou	nd sprays	S	
	Subsidiary provisions * Continuous vigi	lance of	crops	
EFFE	CTS OF FERTILIZERS & PESTIC	TDEC		
Crops	use a lot of nutrients particides & situation	IDES	ON THE ENVIRONMENT:	
for ani	use a lot of nutrients, pesticides & nitrates er mals & humans. Arial sprays also pollute the	ner to the	e water bodies and make it non sui	table
	sprays also politic the	environin	nent	
(d) (i)	What is alluvial soil?			
silt/loa	m/sediment			
	ed by rivers/from flooding			
when th	hey flood			
	s nutrients/minerals			
				[2]
(ii) Ext	olain why alluvial soil is good for crop grow			
Fertile/	contains nutrients (e.g. nitrate/potash/phospha	tn.		
еер	Address A. S. mitate potasti phospna	ite)		
	ture for drainage/not prone to waterlogging			
etains r	moisture/moisture retentive			
enlaced	l each year		是在1980年的 日本	
1	cutif year			[3]
e Expl	lain why there is a shorters of met.			
Canals I	lain why there is a shortage of water for irr blocked by silt/siltation	igation i	n the Indus Plains.	
ow/lac	k of rainfall/variable rainfall/tail and c			
vapora	k of rainfall/variable rainfall/tail end of monse	oon or w	estern depressions/	
	c/leakage/seepage			
modifie c	muniter scepage			
eman's	of domestic forming in t			
cinand	of domestic, farming, industry users (max 2)			

Conflicting users/too many users
Water pollution
Siltation in reservoirs/lower capacity
Less in Sindh because too much used in Punjab
Examples of use to illustrate answer (e.g. water for washing cotton threads) (max 2)

Live stock resources in Pakistan

Cattle (Bullock & Cow): Cattle are the most common farm animals. They are assisted by camels and mules to plough, carry fodder and work from one place to another. They also supply milk and meat. Traditionally, cattle rearing are a matter of pride and prestige for farmers. They are an important part of farms and are well distributed in most areas. Only in few parts of Baluchistan and Thar there are few of them e.g. Red Sindhi, Thari and Sibbi.

Buffaloes: Buffaloes are the main source for milk and meat. They are not important as work animals. Some breeds of buffaloes are famous for their good supply of milk. Types of Buffaloes include Nili Bar, Kundi & Ravi. They produce 70% of the total milk supply. They also produce meat and are slaughtered when they stop producing mil or are old. They like to remain in water most of the time and the canal-irrigated areas are best suited for them.

Sheep and Goats: Sheep and Goats are kept primarily for their wool or meat. Mutton is preferred in urban areas and has great demand. They are sure-footed and can survive in a variety of environments and relief. They do not need large grazing fields and can nibble thin grass. Nomadic people of Baluchistan move them but the government discourages sheep and goats because they overgraze and cause soil erosion. Stall fed goats should be kept to avoid overgrazing.

Poultry: Poultry products include chicken and eggs. Demand for poultry production has greatly increased along with the population. People also prefer to eat white ment (chicken), as it is healthier. Recently many large farms have been built to satisfy growing demand.

In a poultry farm eggs are kept in the incubators when the chicks come out from the eggs their feeding is done. Vaccination is also done due to which the chickens become young within 6 weeks then they are sold in the market. They are called BRAILER chickens which are used for meat while the Hens for eggs are different & they are called LAYER.

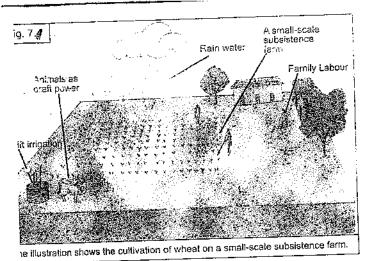
LIVE STOCK FARMING IN PAKISTAN:

Nomadic: It is done in the areas of Baluchistan & the deserts of Sindh & Baluchistan. They have sheep, goats & camel and move from one place to another in search of food and water. They are concerned with subsistence live stock farming in which they cannot provide proper shelter to the animals, natural grazing grounds are used for fodder, water is used from ponds & lakes, their family members take care of the animals. They do the natural breeding, manual milking, slaughtering & shearing so the overall output is cheap & low standard.

Transhumance is also practiced in many areas of Pakistan in which the people keep the animals on pastures in the high mountainous areas they come down in winter to plain areas while go back in the summer. It is done in Northern Mountains & they also keep Yak & Dzu to get milk, meat & wool.

JUNAID AKHTAR

Settled mannle of Device of the
Settled people of Punjab & Sindh also do the livestock farming like cows & hens. Their inputs are also manual & natural which give low quality animals. The
meat & wool in the markets.
Commercial live stock farming is also done in many areas of Pakistan. In those farms proper sheds,
ponds & fodder rooms are present. High quality means of Pakistan. In those farms proper sheds,
ponds & fodder rooms are present. High quality processed fodder; clean water, specialized preserving are done with the help of machines. The production for the produ
preserving are done with the help of machines. The production from these farms is more & high
quality. The production from these farms is more & high
quarity,
Thereneze
IMPORTANCE OF LIVE STOCK FARMING: It is a source of milk, butter, ghee &
eggs. It provides draft power in the farms used for transported of milk, butter, ghee &
eggs. It provides draft power in the farms, used for transportation, raw material for domestic industries like food processing & leather employment to provide the material for domestic
industries like food processing & leather, employment to people. It is also a source of foreign exchange earning & contributes 10% of GDP.
PPOPI FMC OF I WAS COME TO SEE
PROBLEMS OF LIVE STOCK FARMING: Lack of grazing grounds, veterinary
hospitals, hygienic conditions, high quality fodder, clean water and main markets. High prices of the
fodder, gap between the farmer & the whole seller, insufficient & unhygienic breeding.
STEPS TAKEN BY THE COVE TO SOLVE THE
STEPS TAKEN BY THE GOVT TO SOLVE THE PROBLEMS OF LIVE STOCK
Establishment of grazing grounds as a little in the stable
Establishment of grazing grounds especially in the Northern areas, provision of clean water for the
animals & quality fodder, import of high quality animals for cross breeding, setting of live stock
research farms, provision of training to the live stock farmers, programs to fatten the cows to get
more milk, setting of veterinary hospitals & mobile teams.
(c) (i) Name two animals that are reared by nomads in area C.
sheep camels .
cattle
(ii) Explain the importance of their livestock to the nomads.
Food - milk, meat, butter etc.
Clothing - wool, hides etc.
Income/for selling/bartering - Young animals/named product
114113000
. Tents/shelter
Wealth
(iii) Describe the nomadic method of farming. [2]
Moving/settle for a few weedks
In search of water
In search of pastufe/food
Subsistence farming
(a) (5) \$\$\frac{1}{2} \q
(c) (i) What work is done on the farm by these animals, other than that shown on the photograph?
Hoeing – to remove weeds, thin seedlings Harvesting – cutting the crop
Milling/grinding/throching to facility
Milling/grinding/threshing — to remove husks, for flour, by animal walking round Transport — of seeds, fertiliser, crop, to field, to market,
Drawing water – from wells, by shaduf, charsa, by walking round Threshing – separation the land of
The volume = 3000000000 the nick from the deed
(ii) What do these animals and other livestock on the company [3]
(ii) What do these animals and other livestock on the farm produce that the farmer can use or sell?
Meat
rides/skin
1 Build Stock
Legs , ,
Dung
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The cotton plant. Cotton is Pakistan's leading export. [66, 7.3]



Fig. 7.5 hreshing



praying of fruit trees is an important task carried out by the specialists



FIG 7.4)

Sugarcane plantations

(Pla 7.6)

Food grains	Pulses	Oil-seeds	Cash crops
wheat rice maize	grum masoor mash	mustard rape-seed groundnut	sugar cane tobacco
jowar		Commence of the Second	

1. 7.85 Crops	Areas (000 hectares)	Production (000 Tonnes)
Wheat	7,983	18,475
Cotton	3,116	10,613
Rice	2,114	3,882
Sugar-cane	1,000	48,042

CROP	HYVs
Wireat	Maxipak Shahkhan 95 Wadnak 95 Kohson 95 etc.
Rice	Basmati super Irri 6 Rechna Pajhal
Sugar-cane	JN - 88 - 1 to 3 Thatta - 10
Cotton	Nayyab 78 B - 557 149 - F Sarmast Qalandri CIM - 70

16.68
4.02
1.27
1.23
4.16
100.00

Inputs	Processes	Outputs	
Natural grazing fields for fodder. Water from ponds & lakes. Open land	Natural breeding Feeding Milking manually Slaughtering	Milk Meat Wool Eggs	For the use of family
Labour- women & children of the family.	Shearing wool from sheep	٠	

ubsistence livestock farming as a system.

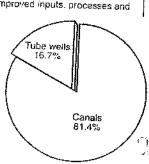
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7-14

Inputs	Processes	Outputs	
Farms with animal sheds,	Feeding	Mök	
ponds, and fodder rooms	Breeding	Mest	: ;— - -
Processed fodder with	Milking by suction	Wool	For Sale
important nutrients *	machines	Eggs	
Specialized labour	Extracting hides & wool	Hides	
Veterinary facilities	Preserving with refrigerating		<u></u>
Storage and processing	facilities		Profit
facilities for animal	Packing (on some farms)		<u> </u>
products			

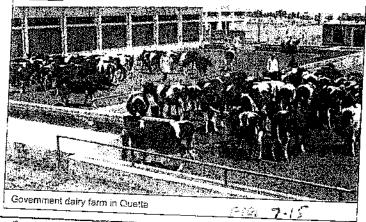
Profit invested back into farm

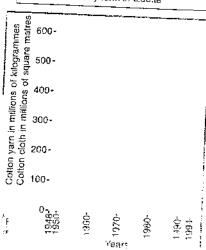
Commercial livestock farming as a system with improved inputs, processes and outputs.

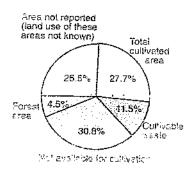


Area irrigated by different methods









Post-Name land wer 1998.

INDUSTRIAL RESOURCES

DESCRIBE VARIOUS INPUTS FOR AN INDUSTRY.

Land: It is the actual location of the factory and should be well drained, plain and well linked with

other parts.

Labour: Manpower should be there, both skilled and unskilled people.

Capital: Finance should be there to establish an industry.

Enterprise: Management should be there to assign duties to labor of the industry.

Raw material: Basic commodity should be easily and cheaply available. Power: Electricity or any other alternative of power should be there.

Q. DESCRIBE VARIOUS PROCESSES IN DIFFERENT INDUSTRIES.

Cotton Textile: Spinning, weaving, dying, bleaching Iron and steel industry: Smelting, moulding & welding.

Leather industry: Tanning

Q. DESCRIBE VARIOUS OUTPUTS OF DIFFERENT INDUSTRIES.

Consumer goods: - The goods, which are ready to use e.g. food, stuff, drugs etc

Semi manufactured goods: - The goods, which have undergone some, processes but still not ready

to use e.g. cotton etc.

Manufactured goods: - It contains both consumer and products goods e.g. cotton cloth.

Capital Goods: The goods which are used to produce other goods e.g. machinery.

FACTORS INFLUENCING LOCATION OF AN INDUSTRY

PHYSICAL / NATURAL

Site requirements: - The land for an industry should be plain, well drained and extendable. Natural routes: - The land of any industry should have links with other greas e.g. road links.

Human:

Capital: - Finance to establish an industry or loan from a bank should be there.

Labor: - Both skilled and unskilled labor should be easily available there.

Power: -Electricity should be easily available at cheap rates.

Government policies: - There are some areas where government provides subsidy, tax exemptions less import duty on machines which are more beneficial than other areas.

Access to the market: - Industry should be near the market for purchasing raw material and selling

manufactured goods. Raw material: - It should be easily and cheaply available for the specific industries.

RAW MATERIAL

Raw material is the basic commodity. It may be natural or partly processed i.e. the product of another activity, which was to be further transformed into some further product before being used or sold.

CLASSIFICATION OF INDUSTRIES:

PRIMARY INDUSTRY: it is concerned with the collecting of making available of material provided by nature e.g. agriculture, fishing, mining, quarrying. SECONDARY INDUSTRY: it is concerned with transforming material provided by the primary industries into products more directly useful opeople.

 Small scale/ Cottage our craft: - the traditional or craft industry mormally does not use modern technology and is often organized on a family basis e.g. handcrafts. Small & Medium Scale factory: - it uses modern technology and is organized into firms or companies, which operate plants, factories or workshops, e.g. cotton textile. LARGE-SCALE MANUFACTURING: -it converts raw materials into manufactured goods.e.g. Conversion of cotton into shirts. It ranges from small scale to large scale manufacturing e.g. TOYOTA. TERTIARY INDUSTRY/ Services Industry: They provide services such as banking, insurance, transport and hotels.
PRINCIPLE FACTORY INDUSTRIES OF PAKISTAN
DESCRIBE THE IMPORTANCE. PROBLEM AND MAJOR LOCATIONS OF COTTON TEXTILE INDUSTRY IN PAKISTAN. Cotton textile industry is one of the most important industries in Pakistan because our 60% of export is based on cotton goods. It contributes to 7% of our G.D.P; it provides employment to a large number of people. Pakistan's cotton is well known in the world but in the last few years we have strong competition with India, Far Eastern Countries and China. Leaf Curl virus and fruit shedding are two main diseases of cotton, which have reduced cotton production, recession and ban on Pakistan's cloth due to various reasons e.g. child labor also reduced the valuable foreign exchange of Pakistan. For the establishment of cotton textile industry Karachi, Hyederabad, Quetta, Lasbela, Faisalabad, Multan and Lahore are the important region due to favorable location factors.
(b) (i) Explain how climatic hazards may destroy or reduce the yield of cotton on farms. [4] Cold temperatures/Frost + can kill plants Rain + damages cotton boll before picking Floods + can wash crops away/soil erosion Thunderstorms/Cyclones + damages to crops/soil erosion Drought + can reduce growth, kill young plants (1 mark for named hazard + 1 for explanation)
(ii) Explain two other factors that may reduce the production of cotton in Pakistan. Virus/Pests/disease + e.g. Leaf-curl virus or other named disease Lack of irrigation water + reduces yield 'Waterlogging and salinity' or other soil damage + reduce yield Economic/drop in demand/other crops make more money Pollution + effect Loss of fertility - not replenished by floods/depleted by crop (1 mark for named factor + 1 for explanation) JUNAID AKHTER 0300-2187567 Junaid-akhtar@live.com
cotton yarn clothes (i) List the following in order of production. raw cotton cotton yarn cloth ready made clothes (ii) From your answer to (c)(i) state one product of: A a processing industry Yarn/thread or cloth

b a manufacturing industry.
cloth or ready-made garment
(iii) Explain why Lahore is an important centre of the textile industry. You should use your answers to (c)(i) and (c)(ii) and your own knowledge.
Cotton grown locally + ex
Water for washing
Machinery from HMC/Taxila
Labour supply – large skilled and unskilled population
Power – national electricity grid, gas pipelines, oil pipeline, power stations + ex
Transport – good roads, railways transport north, south and west + ex
Tele-communications, access to internet
Education – skilled workforce, IT skills, foreign experts
Dry port – to promote exports
EPZ- to improve quality, better infrastructure
Industrial estates – for accommodation, infrastructure + ex
Market – large population + ex
Investors/entrepreneurs – for capital + ex
Factories for all stages of production
WHY ARE SUGAR MILLS SUPPOSED TO BE NEAR THE SUGAR CANE FIELDS?
Sugar cane is bulky so its transportation is difficult and expensive. One more reason is that as soon it
is harvested it starts losing its weight so the sugar mills should be near the sugar cane fields.
O. WHAT ARE THE By- PRODUCTS AND PRODUCTS OF SUGAR CANE?
Sugar, Gur and brown sugar are the main products while "BEGASSEE" is a bi product which can be
used as fuel, animal fodder and raw materials for chip board industry other bi product is
"MOLASSES" which can be used for acid industry after fermentation.
THE PERIOD OF EMPLOYMENT FOR THE PEOPLE IN SUGAR INDUSTRY IS VERY
SHORT 160 DAYS. DESCRIBE THE PROBLEMS AND THEIR SOLUTIONS.
The machines would be jam in sugar mill so crushing of any other thing could be done there. The
people can be unemployed so a chipboard industry or an acid industry can be set up near by to use
begassee and molasses
FERTILIZER INDUSTRY
Pakistan is an agricultural country and most of the areas are deficient in fertility of soil so we need to
enrich the soil with the help of chemical fertilizers we use nitrogenous fertilizers for the deficiency
of carbon. In almost every province we have fertilize industries.
In Multan Palk Arab fertifizer industry was established because it is surrounded with agricultures
regions and it is centrally located and can fulfill the requirements of upper & lower areas of Pakistan.
The main gas pipeline is passing through this area, which is the basic raw material of fertilizer
industry. After the Green Revolution of Ayub Khan's govt. the requirement of chemical fertilizer has
increased much and we established many fertilizer industries e.g. in Faisalabad. Daud Khel and
Dharky.
(c) (i) Name two raw materials, apart from natural gas, which are used to make fertiliser.
Nitrogen / Ammonia / Culcherry
Sulphur Fish/animal/remains/bones
Gypsum Potassium/Potash
Phosphate [2]
1 nospitale

Main farming area }	ì.
Deen soil/fortile soil } 2.6	
Deep soil/fertile soil } max 2 for natural farming inputs Good irrigation }	
Less flooding nous to man 1	
Less flooding now to replace nutrients	
Large population to feed	
Good roads for transport/low transport costs	
Named raw material near, e.g. Rock salt and Gypsum at Khewra/Salt Range Gas at Sui	
Other minerals (see Atlas of Pakistan page 23)	
i)	•
(iii) Why is it important that Pakistan manufactures its own fertilisers?	
Reduce imports from at a CC 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
Reduce imports/cannot afford to import fertilisers	
Improves balance of payments fertilisers burden the economy/greater crop production	
improves the economy	
Heavy to carry very far	
Produce more food for large population reduces malnutrition	
Produce more crops for export	
Increases employment/reduces poverty	[3]
(d) What environmental damage can occur when a new fertiliser factory is built in a rur	a I

Loss of farmland/land lost for factory and roads	
Damage to roads	
Water pollution/pollution of river/canal/irrigation water/water supply	
Noise polition	
New quarries/pits Dumping of waste (only credit if not given as a famous of the control of the	
The create it included by a form of political	
Land clearance/loss of habitat/soil erosion	
Traffic congestion	
(example of damage linked to a location max.1)	[4]
	[,]
CEMENT INDUSTRY	
The basic raw materials of cement are limestone and gypsum, which are easily and cheaply avenue in many areas of Pakistan and due to this reason many areas of Pakistan and due to this reason many.	oilahla
in many areas of Pakistan and due to this reason many cement industries have been established various areas e.g. In Karachi due to the Managaria line and the line an	anabie bod in
The property of the property o	parts
1 / 1 / 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	[2]
(ii) Name three other inputs used by a cement factory.	F21
Power / electricity / and / an	[3]
Water	
Buildings Limestone if not in (i)	
Machinery	
Money / capital / investment	
JUNAID AKHTAR	

7.

(b) QUARRYING CRUSHING PAC	KING DRIVER SALESMAN (OFFICE WORK	EK 121
(i) From the list above, state one examp	lle of:		[3]
A Primary employment		1	
Quarrying / crushing			
B Secondary employment			Ì
Packing, crushing		1	Ì
C Tertiary employment			
Driver, salesman, office worker		1	{
}	_		[[[4]]
(ii) Explain why a salesman should h	ave a good education.	1	[4]
Good communicator	Ì	[
Polite manners / etiquette	1		
Knowledge of what he is selling		1	Ì
Knowledge of other cultures / can deal	with foreign customers	1 .	}
Use of computers / modern technology	1	 	Ì
Can write letters etc. / read instructions		1 1	Ì
Speaking English / other languages		1 11	
Use of figures / mathematics / calculat	ons		}
Open to new ideas		1 11	}
			1
(c) Study Photograph B (Insert), of I	Karachi.	1 11	rbn
(i) State three uses of concrete show	n on the photograph.	1 11	[B]
Roads / pavement			
Bridges			}
Multi-storey buildings			į
Housing / flats			1
Factories			}
Offices			İ
Shons			
i a to the literature of the	poles, bollards	de de la desarra la marca	any he
Street furniture e.g. lamp of electricity (ii) Using your answer to (c)(i), expl	ain the importance of concrete	to tue describin	[4]
			լ-ր
Karachi. Developing / increasing population, in	ndustrialisation, offices, nousing,	ports, roads,	Ì
example of infrastructure etc. (allow	any 2)		ļ
Better roads for transport	1		Ì
Better bridges for access			
Stronger building materials			
Long-lasting / more durable / less cha	ance of damage		ł
More modern appearance /	1		
Improving slums / squatters / Kacha	Abadi		
I I	•	androtrioi devel	nments
(iii) What are the advantages and	lisadvantages of building large	#HUMESTI IAA UCY CA	[6]
a light and a state of the stat	ar cines:		f1
Allow advantages and disadvantages	to industries and / or city / citize	is but do not	į
double mark.			
Advantages (res. 2)			
To city and citizens	1		1
Cheaper transport costs to work	1		1
Readily available / quicker supply			}
Employment \	1		
To cement company	<u> </u>		

Supply of labour	
Good infrastructure e.g. port, roads, electricity, water (up to 2)	
Market / near demand	
Cheaper delivery costs	
Disadvantages (res. 2)	
Air pollution / dust / smoke }	
Noise }	
Visual pollution / quarries } pollution (max 2)	
Water pollution }	
Dumping of waste }	
Traffic congestion	
Loss of farmland	
Loss of other land uses e.g. housing, roads, industry (max. 1)	
Population growth / rural-urban migration	
Squatters / Kacha Abadi / slums	
May be distance from raw materials	
NB. Answers may refer to industrial estates (EPZ) or other industries.	
IRON AND STEEL INDUSTRY	
To fulfill the requirements in 1973 Pakistan steel mill was established by the financial assista	ance of
USSR. It is located 40km east of Karachi at Gharo Creek Pipri near Port Qasim. Here spare	parts;
rolled billets, iron steels etc are prepared.	
Later HEAVY MECHANICAL COMPLEX(HMC) AT TXILA(1979) with Chinese	help.
Heavy Forge Factory (HFF) is also important here where HEP equipments, oil, gas	plants,
boilers, crains and construction machinery is prepared.	
EXPLAIN WHY A STEEL PLANT IS AN EXAMPLE OF HEAVY INDUSTRY.	
It is concerned with metal work and has a large number of employee's huge machines and	much
consumption of electricity that's why it's an example of heavy industry.	
NAME ANOTHER IRON & STEEL MILL LOCATED IN NORTHERN PAKISTAN.	
Ans) Heavy mechanical complex Taxila	
NAME THE PRODUCTS MANUFACTURED THERE.	
Ans.) Rail tracks, transformers, and weapons	
(b) Describe how two human inputs contribute to production at Pakistan Steel.	
Capital – for wages, new machines, transport etc.	
Electricity / power- for faster work etc.	
Labour- for work, trained for better work, details of jobs max 2	
Transport – for inputs, outputs, from or too	
government policies- tax concessions, training	
new technology- for better productivity, communication etc.	163
(for each input res.1+1 for name, float of 4)	[6]
(2) What are 5000 and a separate Separa	1.0
(c) Why is over 50% of the output of Pakistan Steel sent north from Karachi to the Punja	m.
To Taxila	
Heavy engineering	
Machinery for industry and power generation/construction / railways boilers etc.	100
Construction of buildings/ bridges / pylons	[3]
Etc.	[5]

4 (a) Study Photographs C, D and E (Insert) showing the stockyard at Pakistan Sie	eei Millis,
Pipri.	
(i) Name three raw materials used in the Pakistan Steel Mills.	
Any three of:	
Iron ore, coal/coke/coking coal, limestone, manganese, chromite	[3]
(ii) Why are most of the raw materials imported?	
Lack of development of resources/small output	
Iron ore not mined in Pakistan	
Coal poor quality	[2]
(iii) Name the two outputs from the steel mills shown on Photographs D and E.	
Any two of:	
sheets, plates, rolls, coils, slabs	[2]
silects, plates, tons, cons, siaos	[4]
	The second second
(b) (i) Name two human inputs to the steel mills.	The second of
Any two of:	
Labour, capital, machinery, skills, technology, transport, power, water, etc.	[2]
, , , , , , , , , , , , , , , , , , ,	
(ii) Perdain how however induction the sethers would in (b)(b) and induced in the sethers and in the sethers are also induced in the sether are also induced in the sethers are also induced in the sethers are also induced in the sether are also induced	
(ii) Explain how human inputs such as those named in (b)(i) can improve production	4
Labour – work machines, carry materials, office work	Didney of
Capital – wages, machines, technology, investment	
Machinery – faster, better quality, new products	
Skills - computers, office work, machines	
Technology – quality, speed, modernisation	
Transport – faster, larger supply, bigger markets	
Power – efficiency, speed, quality	
Water – for cleaning	
(any line max 2)	[4]
INDUSTRIAL ESTATES:	
Ans) Industrial estates are specific areas reserved for industries. The first industria	l estate was
established called Sindh Industrial & Trading Estate (S.I.T.E) in 1947. In various provin	
many industrial states but maximum are located in Sindh due to groom the industrial de-	
provide facilities to investors and to create more job opportunities. Government a	lso provides
infrastructure facilities, tax holidays, subsidy, tax exemptions on imported machinery, c	heap rates of
electricity etc. The most Important factor is infrastructure facilities, which are consid	
should be near thickly populated areas for example SITE in Karachi.	
Special industrial zones are also set up due to importance of various areas but son	no times the
	de times the
facilities are to be arranged by the investors.	to about the
WHY DOES THE GOVT. ESTABLISH INDUSTRIAL ESTATES?	
To attract the local & foreign investors increase GDP, provide jobs to the peop	ole increase
industrialization in the country, stop migration & improve the economy.	
CDECTAL INDUCTRIAL ZONES.	24 维斯里特
SPECIAL INDUSTRIAL ZONES:	
It can be developed in those areas where infrastructure facilities are not available. The	
companies develop these facilities and provide utilities to zones and some assistence is a	lso provided
by the govt. Government also provides infrastructure facilities, tax holldays, subsidy, tax	
on imported machinery, cheap rates of electricity etc. e.g. gadoon Amazai (KPK) for foa	
The state of the s	

EXPORT PROCESSING ZONES.	
They are the zones established by the govt. in many areas of Pakistan for the productions of e	
oriented value added goods Govt provides were 6 311:	xport
• • • • • • • • • • • • • • • • • • •	eonle
in those industries e.g. Korangi Export Processing Zone.	opio
(a) (i) What is a 17	
(c) (i) What is an Export Processing Zone (EPZ)? An industrial estate	
Producing products for export	
High quality/export quality goods/quality checked	F23
	[2]
(ii) Explain how the building of industrial estates could help to increase industrial productions in Pakistan.	
	on
Increase quality of goods	
Reliable power/telecomm supply	
Water supply/sanitation/cleanliness	
Roads, railways to and from the estate/transport network	
Attractive to investors/government incentives	
Opportunities for more technology/modernisation/specialisation	
Development in rural areas	
Potential industrial linkages	1
Example of an industrial desired	ļ
Example of an industrial estate (max 1)	Ì
(any line max 2 for good development)	[b]
(d) Explain how government organisations help and promote the development of small-scale industries.	
industries.	
	[5]
Single and inculant enterprise development account of	Ì
marketing rachities/trade lairs/shond	1
technical service centres/expert advice	1
education and training	}
cheap loans/loans on easylinstalments	į
tax breaks/cheaper raw materials	}
small industrial estates	Ì
dry ports/better road transport	ļ
power supply/electrification/gas/water	
telecommunications	1
more value – added goods	-
aid mechanisation	1
	1
no reserves for help or promotion	1
	{
DESCRIBE VARIOUS INDUSTRIAL POLICIES AND THEIR EFFECTS.	į
	.
a large amount of money form India so <u>Jinnah's Industrial Policy</u> attracted them because they were keen to invest in the country. Pakistan Industrial Development	ht
keen to invest in the country. Pakistan Industrial Development Corporation (PIDC) was established for this purpose, which created investment converted investment.	re
established for this purpose, which created investment opportunities it is comporation (PIDC) was	as
established for this purpose, which created investment opportunities in the country. PIDC provide many facilities to the investors such as loans, trainings bonus schemes, less taxes etc. during 1960' the industrial development was on its peak due to mform of A. I.	d
the industrial development was on its near due to enforce of a less taxes etc. during 1960'	s
the industrial development was on its peak due to reform of Ayub Khan which brought a "Green Green and agro based industries flourished."	n
and agree based industries nourished.	
	Ì

The environment for investment was favorable. In 1972 Bhutto introduced "Nationalization Policies" in which many major and minor industries were taken away by the govt which was a great set back for the industrial development and investment in the country. In 1977 Zia introduced "Denationalizing policy" and gave the industries back to their previous owners. The govt could not gain the confidence of the investors for a long time.

The Privatization of state own enterprise (SOE) has been promoted since 1991. The policies of

1.

2.

3.

4.

5.

wages

privatization and deregulation are followed over the world.

OBJECTIVES OF PRIVATIZATION

- To create better opportunities for private sector for expansion and modernization 1.
- To improve productivities and profitability. 2.
- To reduce burden on the govt economic resources. 3.
- To facilitate economic activities for the private sector. 4.
- To achieve rapid industrialization. 5.

FORMAL SECTOR

INFORMAL SECTOR Self employed

Labor intensive with use of very few

Irregular working hours and uncertain

Often low standard in quality of goods.

Work done at home or on the streets

Employed by institution 1.

3.

- Capital intensive with few workers; 2.

 - generally mechanized Regular working hours and certain wages
- Relatively guaranteed standard in 4. quality of goods
- Work is located in offices or factories 5.
- Legal and registered. With 6. normally males (?)

Describe the effects of industrialization on the marine life.

Polluted ground water seeps into Arabian Sea, Toxic industrial waste enter into the water & food chain, effects the growth of mangroves, reduction in the sea food, water vapours absorb the toic gases causing acid rain.

How does the industrial pollution affect the people?

Threat to marine life & Mangroves. Seaport pollution due to near by industries, noise pollution due to the turning of machines, dumping of industrial waste cause land pollution, industrial wastewater is harmful for the crops & irrigation, serious health hazards & chronic diseases.

Solutions of the industrial pollution.

Efficient disposal mechanisms should be used to control the smoke & other toxic wastes Facilities should be provided by the govt, to import such machinery, more trees to be grown in the country, industries should be set up in the areas away from residential areas, special laws to be implemented to check the pollution, people should be given awareness related to the environmental hazards.

TOURISM:

The provision of accommodation & recreational activities to the people who are visiting various places for enjoyment. It is one of the most important tertiary industries of the world. There are two main kinds of tourism one is domestic in which the people within the country travel from one place to another for enjoyment and other is called international in which the people move towards the famous tourist attractions of the world.

FACTORS AFFECTING THE TOURIST INDUSTRY IN PAKISTAN:

Presence of tourist attractions: There are many beautiful places located in Pakistan for tourism but they are far away & some of them do not have any access to reach there. Due to the inaccessibility there are many locations, which have not been explored yet.

Security: In many areas of Pakistan, which are important for this industry there is no proper arrangements of security. There was a time when about 4 Lac tourists used to visit various areas but during last few years the arrival of the foreigner tourists has declined sharply. After September 2001 incidence the govts of various countries have restricted their people to visit Pakistan.

Finance for the development: There are many tourist attractions, which need to be developed through proper funds, but the grants provided by the govt. are not enough to fulfill their requirements. There are many places in Swat but the tourists do not want to go there due to lack of roads & other facilities.

Infrastructure facilities: In many areas of Northern Pakistan there is a lack of infrastructure facilities like roads, electricity, food & sewage system. Due to lack of these facilities people avoid visiting those areas like in Gilgit & Chitral.

Marketing: Now every thing is dependent on marketing but unfortunately our tourist industry could not get benefit of this opportunity. In the recent years some tour operating companies in Pakistan are working in this sector. The role of PTDC (Pakistan Tourism Development Corporation) is remarkable they have given advertisements, published pamphlets & have their own web cites.

Transport & communication: In many tourist attractions of Pakistan there is a lack of metalled roads and the existing roads of these areas have not been maintained for a long time. In Swat the roads are miserable while the areas of Kaghan & Naran have the best system of roads due to the role of FWO. Transport facilities are also limited in those areas, which are also expensive, and not according to the standard level. People use their own transport or prefer to use the transport of PTDC. In many areas like Gilgit, Saidu Sharif & Skirdu airports have been set up but have limited flights, which are expensive. Air transport should be encouraged for such areas including low fared helicopter service.

Government Policies: Pakistan is a developing country and can not spend on the development of a lot of tourist attractions but some areas can be selected to develop. Private sector can also be encouraged in various sectors of tourism. PTDC was established in 1970 & it has been playing a remarkable role I the development of tourism in Pakistan it has many motels, transport services & guiding facilities for the tourists who wish to visit historical places & other tourist attractions in Pakistan.

WHY DO THE FOREIGNERS VISIT PAKISTAN?

Many people from Europe, USA & UK visit Pakistan because of various business meetings, many foreign educational institutes are working in Pakistan & they have their foreign staff, many international food chains, oil companies & banks are operating their business in Pakistan. There are many world organizations like UNO, are working on various projects so their higher officials visit Pakistan occasionally. Diplomatic delegates also come Pakistan to attend various meetings. Pakistan provides all sort of international facilities like five star hotels, transport, security & so on.

There are many Pakistani people who have shifted in the other countries of the world like UAE, UK, & USA They come to see their relatives time to time they want to see the tourist attractions of Pakistan. After 1990's many people have shifted in these countries because of better future prospects.

The foreign tourist are very few now & the number of these tourists decreasing gradually due to various reasons like lack of infrastructure facilities, security reasons & communication problems. Mostly they stay in the motels of PTDC and like to visit the areas like Gilgit, Chitral, Swat, Kagha, Naran, Taxila & Moen-jo-Daro.

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ADVANTA CES ÓS TOUDISM
ADVANTAGES OF TOURISM: 1. Source of income, which can be used to correct the balance of trade
The state of the s
A STATE OF THE PERSON OF THE P
The state of the s
the state of the last
6. People get cultural interfaction with the people living in far away areas 7. Tourism is a sustainable industry can be used for a long time.
resultant is a sustainable industry can be used for a long time.
DISADVANTAGES OF TOURISM:
People living in other areas get the awareness about the local conditions, which might affect it.
It is a source of seasonal employment due to which the people in Northern areas remain unemployed
the rest of the period.
Money, which is used on the development of this industry, can be utilized in mineral exploration etc.
Most of the tourist attractions are rugged so they attract only young people causing fewer earnings.
The local people become dependant on the tourist coming from other parts of the country.
The construction of hotel destroys the natural scenic beauty.
During peak tourist season the prices become so high causing problems for the local people.
Tourists destroy the local culture & traditions.
Social problem like crimes, gambling, terrorism & drunkenness may emerge.
Partition of the partit
WRITE THE NAMES OF VARIOUS TOURIST ATTRACTIONS IN PAKISTAN.
Kaghan Valley, Naran Valley, Swat Valley, Skardu, Hunza Valley, Chitral, (Northern Areas)
Historical attractions: Forts (Baltit), Khyber Pass, Mosque Mahabat Khan (Peshawar), Badshahi
Mosque Lahore.
Archaeological sites like Moen-jo-Daro, Harrapa & Taxila.
Modern buildings like Faisal Mosque, Mousoleum of Quaid-I-Azam Minar e-Pakistan, Dams &
Barrages. Salt mines at Khewra, Lakes like Kallar Kahar, Kalri, Haleji etc.
The real real real real real real real rea
WHAT IS THE DIFFERENCE BETWEEN COTTAGE OR CRAFT AND SMALL SCALE
INDUSTRY?
Small-scale industry is that which employs fewer then 10 people and its fixed assets do not exceed
10 million rupees. In epttage industries, manufacturing is wholly or partially carried on in the home
of the worker with the help of family members and no hired labor is employed.
Describe the advantages of establishing cottage and small-scale industries.
1. Employment potential 7. Reduces regional disparity
2. Meets the demands of the local market 8. No burden on imports
3. Source of foreign exchange carnings 9. Less capital and less sophisticated
4. Gainful employment of women technology is involved
5. Reduces rural-urban migration 10. Good use of the local raw material
6. Makes use of industrial waste
DESCRIBE VARIOUS TYPES OF COTTAGE AND SMALL SCLAE INDUSTRIES OF
PAKISTAN.
CARPETS
Carpets are by far the most important in economic terms and they make a significant contribution to
export earnings. They are generally hand woven and hand knotted and made of wool, sitk or a
mixture of the two.

TEXTILE

Textiles are found through out the country with a variety of designs and techniques. The most famous among them are khaddar, susi, khes, chunri, and ajrak. The designs are variably brightly colored with a traditional emphasis on blues and reds.

EMBROIDERY

Embroidery has developed to a fine art with distinctive regional designs and patterns.

JEWELLERY

Gold and silver smiths are one of the largest communities of craftsmen. Much of the Jewellery made and sold in cities is intricately, fashioned and very delicate.

CERAMICS

Clay and terracotta pottery and utensils continue to be of great practical importance. Many of the designs of the urns pitches, bowls and pots seems today are almost identical to those uncovered at archeological sites around the country. Distinctive glazed blues tiles are used to decorate many of the great mosques in Pakistan.

WOODWORK

The swat valley is perhaps the most famous for its intricately carved architectural woodwork and furniture, although woodcarving is common throughout the mountainous north.

METAL WORKS

Peshawar is famous for its hammered brass and copper metal work; with a range of items including plants, trays, boxes, and vessels.

Sialkot is famous for sports, goods Waziristan for cutlery, Gujranwala for electric and engineering items and Lahore is also famous for sports and engineering works.

However recently exports of the non-cotton products have faced increasing trade barriers as public opinion in industrialized countries has expressed growing concern about child labor environmental and health standards

BRICK KILN INDUSTRY:

It is done in those areas where much agriculture is not practised. Its one of the most ancient industry in which manual work is done to prepare construction material. First mud is mixed with water then baking is done in Kiln(BHATTI) in this most of the child labour is used. It is a major source of air pollution because of smoke. It should be shifted to natural gas rather than using coal new methods should be used to dry them. Clean coal technology should be used to avoid combustion of coal in the air.

DESCRIBE THE PROBLEMS OF COTTAGE AND SMALL-SCALE INDUSTRIES.

Like in various areas there is no electricity so it is difficult for them to establish such industries. Poor villagers of the problems of exploitation from of the whole sellers who purchase various goods from the villagers of cheap rates and sell it in the market very expensively. Most of the villagers follow the old methods and machines of their ancestors and they are unaware of new methods, which are why their products cannot meet the requirements of world standard. Profit margin for these crafts nen is very less that's why their standard of living is very low. Whatever they earn they spend it on themselves and their family members that's why they cannot develop their crafts and goods.

STEPS TAKEN BY GOVT TO SOLVE THE PROBLEMS OF COTTAGE AND SMALL-SCALE INDUSTRIES.

The measures taken place are

- 1. Establishment of industrial estates
- 2. Aroviding marketing facilities
- 3. Setting up of technical service centers
- Establishing handicraft development centers and carpet centers
- 5. Providing reinvestment counseling and guidance to new comers
- 6. Providing local and foreign loans to small industry owners on easy installments.
- 7. Pakistan Small Scale Industries Coorporation(PSIC), Sindh Small Scale Industries Corporation(SSIC) etc.

