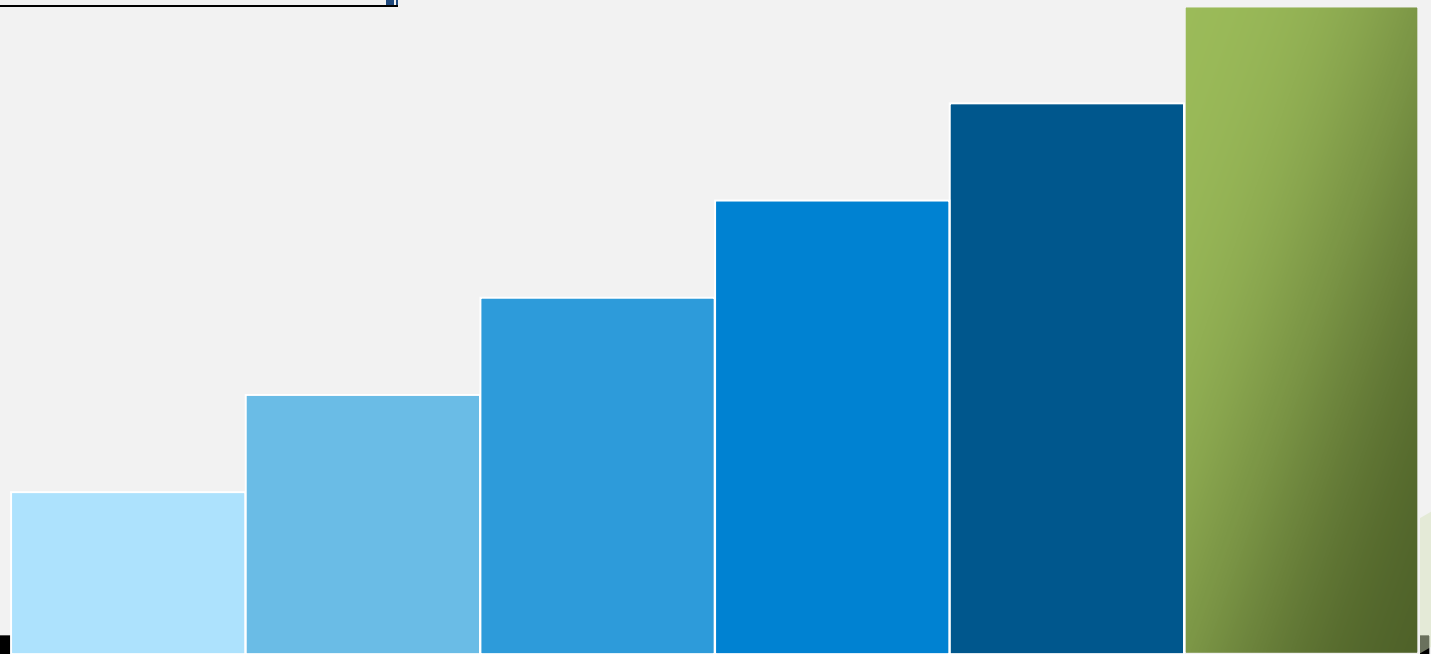


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1ST EDITION 2018



LIONS ONLINE FORCES COACHING ACADEMY.

SAMPLE INITIAL TEST NOTES ANDRIOD APP FOR

PAF.

100% TEST CLEARENCE GURRANTTE.

BY

SADEED AHSAN KHAN

**WITH CO-OPERATION OF
LIONS ACADEMY PUBLICATIONS.
CONTACT NUM:0344-1927042.**

LIONS ACADEMY PUBLICATIONS.

LONG COURSE INITIAL TEST GUIDELINE:

How to join PAF as a commission officer

1-Online registration

(For online registration visit the website

(<https://www.joinpaf.gov.pk/>)

2-Initial online test on the given date at the registration slip

There are two parts in selection procedure

1- initial or Preliminary selection.

2- ISSB

Here i will only discuss, initial part of selection.

Initial part consists of different type of test including

- computerized test
- physical test
- medical test
- initial interview.

Once you clear all these test, will undergo for ISSB.

1- COMPUTERISED TEST

This test consists of 3 sections:

- 1- **Verbal Intelligence Test**(96 Question 30 min)
- 2- **Non-Verbal Intelligence Test**(96 Question 30 min)
- 3- **Academic Test**(50 Question 30 min)

Verbal Intelligence Test

- Number Series Questions

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- Alphabet Series Questions
- Relationship Question
- Common Sense Questions
- Least like others Questions
- Mental Math Questions

Non-Verbal Intelligence Test

- Diagram Pattern Question
- Picture Pattern Questions

Physical Standard

- Height 5.4 feet (162.5 cm)
- VISION STANDARD
- distance vision with Glasses 6/9,6/12
 - near vision J2,J7 or N8,N12 with or without glasses
- WEIGHT
- as per the body mass index (BMI)

- PHYSICAL TEST

- Running 1.6 km in 8 min
- B.Push ups 15 in 2 min
- C.Sits up 15 in 2 min
- D.Chin ups 3 in 2 min
- E.Ditch 7.4×7.4

- MEDICAL TEST

Initial medical test is simple, they will just check your height,weight,eye side, flat feet, knee knocking, chest size, arm angle, blood test, and bavasheer check.

INITIAL INTERVIEW

- Your introduction in English
- Meaning of your name
- Pakistan neighbor countries
- Abbreviations
- Important topics for speech (this scheme was started from 142 L/C at AS&RC Peshawar)
- (3 minutes speech on topic)
- Ayah Ul kursi

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- 6 kalmas
- Dua e kunnot
- 10 surahs.
- It is good if you revise initial testy academic portion

DRESSING:

- . Plain dress shirt or a mild pattern but well pressed.
- . Dress pants of dark color.
- . Dark color socks without any sort of patterns on it.
- . Black shoes well polished.
- . Normal sized black or brown belt.
- . Mild body spray or perfume.
- . Avoid coat if it's too hot.
- . Tie is must; knot should be a good one.
- . Top most button of shirt must be tied.
- . Don't wear any wrist watch or bands.
- . Don't put any pen in the pocket of shirt.
- . Shave must be fresh.
- . Haircut should be proper.
- 3 piece suit is best for interview
- If shalwar kameez than wear black basket above it (Recommended white cotton)
- Use light perfume.
- Remove ribbons from hands
- Fresh hair cut
- Wear decent shoes

COMPLETE INTERVIEW:

Question related to candidate and family background

- ❑ What is your name?
- ❑ What is your name meaning?
- ❑ What is your father and mother name?
- ❑ What are your cast and sect?
- ❑ What is your qualification?
- ❑ What are you doing now days?
- ❑ Why you join Pakistan army (reason)?

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- ❑ Introduce yourself in 6 to 8 lines?
- ❑ What is your mother tongue?
- ❑ What are your weight and height, age and place of birth?
- ❑ Convert your weight into pounds and height into cm and age into days?
- ❑ What are your good qualities and bad qualities?
- ❑ What are your hobbies?
- ❑ What is your metric and INTER Roll numbers with percentages.
- ❑ What is your favorite subject?
- ❑ How many siblings, you have and what they do?
- ❑ What is your rank among them?
- ❑ What is your favorite color name?
- ❑ What is your favorite personality (reason?)
- ❑ Which NEWS paper you read?
- ❑ Who is the editor of favorite NEWS paper?
- ❑ What is the price of news paper and which part you most read?
- ❑ NEWS stands for
- ❑ What do your father?
- ❑ What is your father salary?
- ❑ Extract Zakaat of your father's salary?
- ❑ What is your favorite game?
- ❑ Why you like this game?
- ❑ Who is your best friend?
- ❑ List the good and bad qualities of your best friend?

Question Related to Defence Forces

- ❑ Highest military award of Pakistan?
- ❑ Chief of army staff?

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- ❑ DG ISI name?
- ❑ DG ISPR name?
- ❑ Defence minister name?
- ❑ Joint Chiefs of Staff Committee (CJCSC) name?
- ❑ CHIEF OF NAVAL STAFF name?
- ❑ Vice Admiral Name?
- ❑ CO STANDS FOR COMMANDER
- ❑ Chief of Air Staff name?
- ❑ Vice Air Marshal Name?
- ❑ CHIEF OF Army STAFF of India name?
- ❑ Chief of air staff Air of India name?
- ❑ CHIEF OF NAVAL STAFF of India name?
- ❑ List the wars between Pakistan India?
- ❑ List the duration of world wars?
- ❑ List the Operational awards and Non operational awards of Pakistan?
- ❑ How many soldiers and officers received Nishan-e-Haider?
- ❑ List the name s of those soldier and officers that received Nishan-e-Haider?
- ❑ Who was the first receiver of Nishan-e-Haider?
- ❑ What is the Motto of Pakistan navy army and air force?
- ❑ Compare the Ranks of Pakistan defence forces?
- ❑ What is the coastal line length of Pakistan?
- ❑ Why Pakistan navy is called 4 dimensional forces?124
- ❑ Latest Tank, Warships, Helicopters, Submarine, Aircraft names?
- ❑ Supreme commander of Pakistan name is?
- ❑ (Yumme Takbeer) celebrated on?
- ❑ Pakistan became an atomic power on 28 may 1998?

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☐ India became an atomic power on?

Questions Related To Pakistan

☐ Who are the neighbors countries of Pakistan tell with direction?

☐ On which rivers Tarbela, Mangla, Warsak dams are built?

☐ Chairman of HEC name?

☐ Chairman of state bank?

☐ Chairman of FBR name?

☐ Speaker of NA and chairman of Parliament of Pakistan?

☐ How many seats of NA and parliament house?

☐ Remember The Name Of Chief Minister S, Governors And Ministers Of Most Important

Department Of Pakistan?

☐ Total area of Pakistan?

☐ Check information about Pakistani flag and national anthem?

☐ What is loc?

☐ Indus water treaty agreement done on?

☐ What is the height of siachen glaciers and K2?

☐ What are two nation theories?

☐ What Is GT Road & Who Made It?

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CHAPTER NO:1.

FIRST , LARGEST AND SMALLEST IN PAKISTAN
(PAKISTAN GENERAL KNOWLEDGE)

- Iran was first to recognize Pakistan.
- Pakistan opened its first embassy in Iran.
- First governor of State Bank Zahid Hussain.
- First Lady Governor Rana Liaquat Ali (Sindh) 1973-1976.
- First lady federal minister Vikarun Nisa Noor (Tourism).
- First state to join Pakistan was Bahawalpur, 1954.
- First captain of cricket team Abdul Hafeez Kardar.
- First century Nazim Mohammad against India in 1954 in Lucknow.
- First Woman University is located in Rawalpindi.
- First governor of Punjab=Francis Moody.
- First CM of Punjab=Iftikhar Hussain Mamdot.
- First Governor of Sindh=Ghulam Hussain Hidayatullah.
- First CM of Sindh=Ayub Khoro.
- First Governor of Baluchistan=Lt: General Riaz Hussain.
- First CM of Baluchistan=Attaullah Mengal.
- First Chief Justice of Pak: Sir Abdur Rasheed.
- First PM of Azad Kashmir=Abdul Hamid Khan.
- First President of AJK=Sardar Ibrahim Khan.
- First Commander-in-Chief of Pak Army was Frank Mervin.
- First chairman Joint Chiefs of Staff Committee was General Mohd: Sahrif.
- First chief of Staff of armed forces was General Tikka Khan.
- First governor State Bank was Zahid Hussain.
- First daily newspaper is Aamoz 1947.
- First lady pilot was Shukriya Khanum.
- First museum of Pak established in Karachi in 1950.
- First Bank was United Bank (7th August, 1947)
- First Agriculture reforms in Pak: Jan: 24, 1959.
- First Chief Election Commissioner of Pak: Mr. Khan F.M.Khan (25th March, 1956)
- Election Commission was created on 23rd March, 1956 under Article 137 of 1956 constitution.
- First Muslim Commander in Chief of Pak: Ayub Khan.
- First Radio Station established was of Karachi.
- First TV station was setup at Lahore on Nov: 26, 1964.
- First Lady Major General in Pak: Dr. Shahida Malik.
- First Space satellite was launched by Pak: in 1990.
- First private TV Channel STN launched in 1990.
- First Chairman Senate was Habibullah Khan.
- First woman judge of High Court: Majida Rizvi.
- First constructed barrage of Pak: Sukkur Barrage.

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- First Secretary General of Pak: Ch: Mohd: Ali.
- Agro museum is at Lailpur.
- First bio-gas plant was installed in 1974.
- First woman bank established on Dec: 1, 1989.
- Badshahi mosque built in 1670 A.D.
- Designation of GG changed into President on 23rd March, 1956.
- Largest Hockey stadium is National Hockey Stadium Lahore.
- First minority minister of Pak: Joginder Nath Mandal held the portfolio of law.
- Largest railway tunnel is Khojak.
- Smallest dam of Pak: Warsak dam.
- Largest fort of Pak: "Rani Kot".
- Nishan-e-Pak: is the highest civil award of Pak:
- Second highest civil award is Hilal-e-Pak:
- Ayub National Park (Rawalpindi) is the largest Park in Pakistan.
- Largest Railway station is Lahore.
- Highest Pass is Muztag Pass which connects Gilgit to Xinkiyang.
- Largest canal is Lloyd Barrage Canal or Sukkur Barrage or Lande Down Pun built in 1936.
- Largest Cement Plant is Lucky Cement Plant near Luki Marwat.
- Largest road is Shahrah-e-Pak:
- Shortest river is Ravi.
- Smallest division is Karachi.
- Largest division is Kalat.
- Largest division of Sindh is Therparker.
- Habib Bank Plaza Karachi has 23 stories (345 ft)
- Minar-e-Pak: is 196 ft, 8 inches high.
- Pakistan has its longest boundary with Afghanistan.
- Pakistan is 34th largest country in the world, 6th population wise.
- Smallest civil award is Tamg-e-Khidmat.
- First census of Indo-Pak: 1951
- Highest dam is Mangla dam.
- Pak: expedition to Antarctica reached on 5 Jan, 1991 established Jinnah Research Station
- Longest tenure as Governor General was Ghulam Mohammad.
- Longest tenure as President was Ayub Khan.
- Longest period of rule was of Zia.
- Longest tenure as PM was of Liaquat Ali
- Shortest tenure as PM of Ayub Khan (3 days) then Shujaat Hussain (47 days).
- Shortest tenure as President is of Bhutto.
- Shortest tenure as Governor General is of Quaid.
- Longest tenure as Governor General is of Ghulam Mohammad:
- Largest library is Quaid-e-Azam library.
- Largest University is in Punjab.
- Oldest university is in Punjab.
- The only non-military shaheed to receive Nishan-e-Haider was Subaidar Lalik Jan he belonged to NLI.
- Highest peak of Sulaiman mountains is Takht-e-Sulaiman.
- Highest peak is K2 (Goodwin Austin 5,611 meters)

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- 2nd largest glacier of Pak: is Batura.
- Largest Island of Pak: is Manora.
- Smallest city is Jehlum.
- Longest tunnel rail= Khojak (2.43 miles) (Baluchistan), road=Lowari Tunnel (5 miles), water=Warsak Dam Tunnel (3.5 miles).
- Rainiest city is Rawalpindi.
- Rainiest place is Muree.
- First Medical College was Nishtar Medical College.
- Smallest Dam is Warsak dam.
- Largest mountain range is Karakoram.
- First to receive Nishan-e-Hyder was Mohd: Sarwar Shaheed.
- First private airline of Pakistan is Hajvari.
- Pak's Second largest city is Lahore.
- Abdur Rasheed was the first chief Justice was the first chief justice of Pakistan.
- Zafarullah Khan was the first foreign minister of Pakistan.
- Keenjhar is the largest manmade lake in Pakistan.
- Manchar Lake is the biggest lake of Pakistan.
- Trich Mir is the highest peak of Hindu Kush.
- Largest coal mine is in Quetta.
- In Pakistan, first woman bank was established in the year 1989.
- Pakistan's first geo-scientific laboratory is functioning in Islamabad.
- The highest point of the Khyber Pass is Landhi Kotal.
- The first atomic power station of Pakistan was installed in Karachi.
- The First President of America who made an official visit to Pakistan was Dwight D. Eisenhower
- Largest airline is PIA.
- Largest airport is Quaid-e-Azam International Airport, Karachi.
- Largest canal is Lloyd Barrage Canal.
- Largest dam is Terbela.
- Largest desert is Thar.
- Largest district is Khuzdar (Baluchistan).
- Largest industrial unit in Pak: Steel Mill.
- Largest industry is Textile.
- Largest island is Manora (Karachi)
- Largest Jungle is Changa Manga (Kasur).
- Largest lake (artificial) is Keenjhar.
- Largest lake (natural) is Manchar.
- Largest library is Punjab Public Library, Lahore.
- Largest mine is Salt Mines of Khewra.
- Largest motorway is Lahore-Islamabad.
- Largest museum is National Museum, Karachi.
- Largest circulated urdu newspaper is Jang, English is The News.
- Largest nuclear reactor is KANUPP, Karachi.
- Largest oil field is Dhurnal Oil Field.
- Largest park is Ayub National Park, Rawalpindi.
- Largest Radio Station is Islamabad.

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- Largest university is Punjab University, Lahore.
- Longest coast is of Baluchistan (771 km)
- Largest railway platform is of Rohri.
- Longest railway track: Karachi to Landi Kotal.
- Longest road: Karachi to Peshawar.
- First TV station in Pakistan started at Lahore.
- Pakistan's first radio station was set up at Karachi.

PAKISTAN STUDIES:

PAKISTAN'S NEIGHBOURS COUNTRIES:

North-East:

China

Border Length: 595km

East:

India

Border Length: 2912km (Radcliffe Line)

West:

Iran

Border Length: 909km

Northwest:

Afghanistan

Border Length (Deoaind line): 2250km

South:

Arabian Sea

Coastline: 1046km

The total length of 'Line of Control' in Kash is about? 720 Km. (Through Simla agreement 1972)

•Geography of Pakistan:

•Continent: Asia

•Region:

Western part of South
Asia (Subcontinent)

•Coordinates:

(Falls In Northern Hemisphere & In Tropic Zone)

" Latitude 23°.35'

and 37°.05' N,

Longitude 60°.55'

and 77°.50' E "

•Borders:

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Total Length:

6,774 km (4,209.2 mi)

Afghanistan:

in North West

2,252 km (1,399.3 mi)

(Durand line " Henry Mortimer Durand & Abdur Rehman Khan, 1893")

China:

in North East

585 km (363.5 mi)

India:

in East

1610 km (1000 mi)

Railway links:

1.Wagah-Atati (Amritsar)

2.Khokharpar(Sindh)

- Maunabao

Line of Control:

Kashmir Border with

India 740 km (459.8 mi)

Iran:

in South West

909 km (564.8 mi)

Railway Link:

Koh i Taftan (Station) Dalbandin (Quetta) -

Zahedan (station) Nok Kundi (Iran)

•Coastline:

1,046 km (650 mi)

MOUNTAIN PASSES AND ITS CONNECTIONS.

. Muztag pass connects Gilgit-Yarkand (China)

. Khankum Pass connects Chitral-Wakhan
(Afghanistan)

. The Shandur Pass connects Chitral and Gilgi

. Khyber Pass connects Peshawar-Kabul

. Kulk pass connects Gilgit-China.

. Bolan pass connects Quetta-Afghanistan.

. Tochi pass connects Pak:-China.

. Length of Silk Route (Karakorum Route) is 965

km.

- . Length of Durand Line is 2250km
- . Afghanistan's Wakhan District is a narrow strip of land that juts eastwards 350km between Tajikistan and Pakistan to touch the Chinese border.
- . The pass which connects Abbot Abad and Gilgat, is Babusar pass,.
- 2. The pass which connects Dir with Kohistan, district Badawi pass,.
- 3. The highest pass in Pakistan, an ancient trading route, between Kashmir and China, situated at the height of 5575 is Karakoram pass,.
- 4. The pass which connects Sindh plain, with, Queeta is Bolan pass,.
- 5. The pass which connects Chitral with Wakhan, is, Baroghil pass,.
- 6. The pass which connects, Mardan with Malakand, is, Dargai pass,.
- 7. The pass which connects Dera Ismail Khan with Ghazni, (Afghanistan) is, Gomal pass,.
- 8. The pass which connects, Qila Abdullah with Chaman, is Khojak pass,.
- 9. The height of Khunjab pass, is 4555 meters.
- 10. The world's highest passes, such as Khunjab Lawari and Shandoor, are situated in Western mountain range.

DAMS AND ITS RIVERS

- . 4 rivers flow in Sindh
- . 8 rivers flow in NWFP
- . 12 rivers flow in Balochistan
- . River Bolan flows in Balochistan
- . Hub river flows in Sindh
- . Tarbela Dam is built on river Indus
- . Mangla Dam is built on river Jhelum
- . Area of highest rainfall is Murree
- . Area of highest snowfall is Skardu
- . Total height of Tarbela Dam is 500 ft
- . Total length of Tarbela Dam is 6000 ft
- . Origin of Jinnah Barrage is Sindh and it is located near Kalabagh
- . Thar is the largest desert of Pakistan
- . Sindh Sagar is between the rivers of Indus and Jhelum
- . Ganges Bar is located between Ravi and Sutlej
- . Chaj Doab is between the rivers Chenab and Jhelum
- . Rachna Doab is located between Ravi and Chenab
- . 8 Barrages are made on Indus River

DAMS IN PAKISTAN:

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Punjab: 2

1. Mangla on River Jehlum
2. Rawal Dam on River Korang

KPK: 5+

1. Tarbela on River Indus
2. Diamer-Bhasha on River Indus
3. Warsak on Kabul river
4. Gomal on River Gomal
5. Khanpur on River Haro
6. Tanda Dam on River Kohat Toi
7. Sabakzai

Sindh: 1

1. Hub on River Hub

Balochistan: 2+

1. Merani
2. Nari Bolan Dam

PREPOSITIONS

At

It is used to show party, place, festival, function, rate, speed, time, village, town, and ability of subject

On

-It is used to show physical contact, attachment, day, about

In

-It is used to show city, country, continent

Into

It is used to show rest, change in position

Of

-It is used to show relation, consisting of, making of, about, due to

Off

-It is used to show away from, aside from and it gives different meanings in different sentences

Beneath

-It is used to show inferior to in ability, status, position, and gives meaning of unworthy

Under

-It is used to show close against, in subordination, and work in progress

With

-It is used to show accompanied by against, work done by an instrument

By

-It is used to show near, by means of, according to, quantities, by which things are sold, and work done by an agent

Between

-It is used in comparison b/w two subjects

Among

-It is used to show comparison b/w many subjects

Beside

-It is used to show position

Besides-It is used to show in addition to (Kay ilawa)

#After-It is Used to show later(baad mayn)

Behind

- It is used to show position which means at the back of

Above

It is used to show inferior to in ability, status, position, figure

Over

It is used to show superior to in every part and also gives meaning of towards

Since

- Point of time

For

Period of time, Length of time , exchanging of things, purpose

From

It is used to show place of coming, place of leaving , start of time , and place

MAJOR EVENTS FROM 1905 TO 1971.

	■1905...bengal separation by lord Curzon
	■1906...Muslim league was formed
■1909...Minto Morley Reforms	Annulement of partition in 1911
■1913...Muhammad Ali Jinnah joined Muslim league	■1913...incident of kanpur
■1914...world war1 start	■1916...Lucknow Pact
■1918..world war 1 end	■1919...Khilafat movement 1919-1924
19-Montague Chelmsford reforms 1919	■1919..rowlet act
■1922..Allama iqbal joined ML	■1922...incident of chaura chauri
■1923..Liaqat Ali Khan joined Muslim league	■1927...Simon commission
■1927....delhi proposals	■1928...Nehru report
■1929...Jinnah's fourteen points	■1929...Khudai khidmatgar movement
■1930...Allama iqbal speech at Allahabad	■1930..first london conference Roundtable conference 1930-32
■1931..second london conf	■1932..third london confre
■1932..communal award	■1932..khaksar movement
■1933..now or never mov	■1934...quaid become permanent president of ML
■1935...Govt.of India act	■1935...congress ministries
■1938..pirpur Report	■1938...fatima jinnah joined ML
■1939..world war 2 start	■1939...congress ministries resigned
■1939..day of deliverance	■1940...Lahore resolution 23rd March
■1942...cripp,s mission	■1942...Quit India movement
Jinnah Ghandi talks 1942	■1944...shimla conference
■1945..central election	Simla Deputation 1945
■1946...provincial election	■1946...Delhi convention
■1946...cabinent mission	Direct action day 1946
■1947...Pakistan	3rd june plan 1947
-separation 1947	-Radcliffe award 17 august 1947
-India cut water supply in 1948	-Indus basin traty 1946
-Indo pak war 1965 which lasted for 17 days	-Separation of east pakistan 1971

World Important Secret Agencies and Its Headquarters

ISI	Pakistan	Islamabad	1948
RAW	India	New Dehli	1968
Mossad	Isrea	Tel Aviv	1949
CIA	USA	Fairfax Virginia	1947
M16	UK	London	1909
GRU	Russia	Moscow	1918
MSS	China	Beijing	1983
BND	Germany	Berlin	1956

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DGSE	France	Paris	1982
ASIS	Australia	Canberra	1952

Old And New Names Of Cities

	= Hyderabad. Nerron kot
= Quetta. Shal kot	= Jaccobabad. Khan Garh
= Sailkot. Salwan Kot	= Attock. Cambell pur
= Faisalabad. Lyallpur	= Sahiwal. Montgomery
= Bin Qasim. Pepri	= Muslim Bagh. Hindu Bagh
= Pakpatten. Ajodhan pur	= Islamabad. Raj Shahi
= Karachi. Kolachi	= Lahore Mahmood pur
= Gujranwala. Khan pur	= Zhob #Fort Sandman
= Peshawar. Persha pur	= *Swat. Rowdayana*

Method to Solve Percentage Questions

1) how to find 50 %

Divide that number by 2

E.g 90 so 50% of 90 is $90/2 = 45$

2) for 25%

Divide that number by 4

So 25% of 90 become $90/4 = 22.5$

3) for 10%

Simple method is go to left side for one digit like

10% of 90 is 9 10% of 100 is 10

10% of 9 is 0.9

and so on

4) for 5%

Divide 10% of number by 2

E.g 10% of 90 is 9 so divide $9/2 =$

4.5

5) for 2%

Divide 10% of number by 5

Like 10% of 90 is 9 so divide $9/5$ so

$= 1.8$

6) for 1%

Divide 10% of a number by 10 like

10% of 90 is 9

so divide $9/10$ so $= 0.9$

Or go for two digit to left side

E.g 1% of 90 is 0.9 1% of 100 is 1

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1% of 5 is 0.05
and so one
.. for your question follow this
First find 10 % of 90 which is 9
Then find 2% or 1%
If you find 2% then add 10%+10%
+2 so 9+9+1.8 =
19.8
If you find 1% then add 10%+10%
+1%+1%
So 9+9+0.9+0.9 = 19.8

Nationals of Pakistan

•Flower. Jasmine	(July 1961)
	•Bird. Chakor
	•Language. Urdu
(Official languages of Pakistan are English and Urdu)	
•Animal. Maarkhor	
•Game. Hockey & Cricket	
•Slogan. Pakistan	zindabad
	•Song. National anthem of
Pakistan	"Lyrics,Hafeez Jullundhri, June 1952" National Anthem
June, 1954	Approved in
Hafeez Jullundhri	Verses Composed by: Abul Asar ,
Chagla	Tune Composed by: Ahmed G.
State Emblem :	Duration: 80 seconds
The crescent and star which is	The State Emblem consists of:
The shield in the centre shows four	symbol of Islam.
Wreath surrounding the shield	major crops.
Scroll contains Quaid's motto: Unity	represents cultural heritage.
	:Music Ahmad G. Chagla, 21 August 1952"
"Adopted and broadcasted on 13 August 1954"	"Duration 1 minute 20 seconds and 21 instruments and 38 saz have been used."
	•National Flag. Dark green and white rectangular flag in the proportion of 3-2 length to width.
(It was presented by Liaquat Ali Khan in Constituent Assembly and was adopted on 11 August 1947).	
•National Poet: Alama	Muhammad Iqbal.
	• National Symbols:
	•Amphibian: Indus
Valley toad.	
•Animal: Markhor.	
•Bird:Chakor (Partridge),	Peregrine Falcon.
	•Coat of Arms:

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	"The national emblem of Pakistan was adopted in 1958. It features the green color of the flag, and the star and crescent symbols of Islam"
	•Fish: Mahashar
	•Flag of Pakistan
	•Flower: Poet's Jasmine

TRIGNOMETRIC RATIOS

$\sin 0^\circ = 0$
 $\sin 30^\circ = 1/2$
 $\sin 45^\circ = 1/\sqrt{2}$
 $\sin 60^\circ = \sqrt{3}/2$
 $\sin 90^\circ = 1$
 \cos is opposite of \sin
 $\tan 0^\circ = 0$
 $\tan 30^\circ = 1/\sqrt{3}$
 $\tan 45^\circ = 1$
 $\tan 60^\circ = \sqrt{3}$
 $\tan 90^\circ = \infty$
 \cot is opposite of \tan
 $\sec 0^\circ = 1$
 $\sec 30^\circ = 2/\sqrt{3}$
 $\sec 45^\circ = \sqrt{2}$
 $\sec 60^\circ = 2$
 $\sec 90^\circ = \infty$
 \csc is opposite of \sec

TRIGNOMETRIC CONVERSION.

$\sin^2 \theta + \cos^2 \theta = 1$
 $\sec^2 \theta - \tan^2 \theta = 1$
 $\csc^2 \theta - \cot^2 \theta = 1$
 $\sin \theta = 1/\csc \theta$
 $\cos \theta = 1/\sec \theta$
 $\tan \theta = 1/\cot \theta$
 $\cot \theta = 1/\tan \theta$
 $\tan \theta = \sin \theta / \cos \theta$

Islamic Months In Lunar Calendar

1. Muharram
2. Safar
3. Rabi ul Awal
4. Rabi ul Sani

5. Jamadi ul Awal
6. Jamadi ul Sani
7. Rajab
8. Shaaban
9. Ramadan
10. Shawal
11. Ziaqaad
12. Zul Hajj

THE TOP BATTLES:

1. Mongol Conquest:
1205-1315
2. Hundreds' year war:
1337-1453
3. American Revolutionary War:
1775-1782
4. Napoleonic Wars:
1799-1815
5. American Civil War:
1861-1865
6. World War I:
1914-1918
7. World War II:
1939-1945

PAST INITIAL TEST (Verbal intelligence Questions)

1

1. 1 4 9 16 25 (-----) (36)

1+3=4, 4+5=9, 9+7=16, 16+9=25, 25+11= (36) or 12, 22, 32, 42, 52, 62

2. 20 19 17 (-----),10,5 (14)

20-1=19, 19-2=17, 17-3= (14)

3. 2 3 5 7 11 (-----),17 (13)

This series consists of prime numbers so the prime number after 11 is (13)

4. 6 11 21 36 56 (-----) (81)

6+5=11, 11+10=21, 21+15=36, 36+20=56, 56+25= (81)

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5. 1 6 13 22 33 (-----) (46)

$1+5=6$, $6+7=13$, $13+9=22$, $22+11=33$, $33+13= (46)$

6. 3 9 27 81 (-----) (243)

$3 \times 3=9$, $9 \times 3=27$, $27 \times 3=81$, $81 \times 3=(243)$

7. 1 9 17 33 49 73 (-----) (97)

$1+8=9$, $9+8=17$, $17+16=33$, $33+16=49$, $49+24=73$, $73+24= (97)$

8. 2 5 9 (-----) 20 27 (14)

$2+3=5$, $5+4=9$, $9+5=(14)$

9. 5 9 17 29 45 (-----) (65)

$5+4=9$, $9+8=17$, $17+12=29$, $29+16=45$, $45+20= (65)$

10. 3 7 15 31 63 (-----) (127)

$3 \times 2+1=7$, $7 \times 2+1=15$, $15 \times 2+1=31$, $31 \times 2+1=63$, $63 \times 2+1= (127)$

11. 1 6 15 (-----) 45 66 91 (28)

$1+5=6$, $6+9=15$, $15+13= (28)$

12. 1 2 3 5 8 (-----) (13)

$1+1=2$, $2+1=3$, $3+2=5$, $5+3=8$, $8+5= (13)$

13. 0.5 1.5 4.5 13.5 (-----) (40.5)

$0.5 \times 3=1.5$, $1.5 \times 3=4.5$, $4.5 \times 3=13.5$, $13.5 \times 3= (40.5)$

14. 121 225 361 (-----) (529)

$11^2=121$, $15^2=225$, $19^2=361$, $23^2= (529)$

15. 0 2 8 14 (-----) 34 (24)

$12-1=0$, $22-2=2$, $32-1=8$, $42-2=14$, $52-1= (24)$

16. 19 23 31 44 (-----) (456)

$19 \times 2=38$, $38 \times 3=114$, $114 \times 4=(456)$

17. 1 2 3 6 9 18 (-----) 54 (27)

$1+1=2$, $2+1=3$, $3+6=9$, $9+9=18$, $18+9= (27)$

18. 4 5 9 18 34 (-----) (59)

$4+1=5$, $5+4=9$, $9+9=18$, $18+16=34$ e.g 12,22,32,42

Missing number $52=25+34= (59)$

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19. 3 6 18 72 (-----) (360)

$3 \times 2 = 6$, $6 \times 3 = 18$, $18 \times 4 = 72$, $72 \times 5 = (360)$

20. 66 36 18 (-----) (8)

$11 \times 6 = 66$, $6 \times 6 = 36$, $3 \times 6 = 18$ Missing number = (8)

21. 21 25 33 49 81 (-----) (145)

$21 + 4 = 25$, $25 + 8 = 33$, $33 + 16 = 49$, $49 + 32 = 81$, $81 + 64 = (145)$

22. 12 32 72 152 (-----) (312)

$12 + 20 = 32$, $32 + 40 = 72$, $72 + 80 = 152$, $152 + 160 = (312)$

23. 3 6 5 20 7 42 9 (-----) (72)

$3 \times 2 = 6$, $5 \times 4 = 20$, $7 \times 6 = 42$, $9 \times 8 = 72$

24. 1,3,4,8,25,27,(-----) (50)

$1 + 3 + 4 = 8$, $3 + 4 + 8 = 15$, $4 + 8 + 15 = 27$, $8, 15, 27 = (50)$

25. 2 15 41 80 (-----) (132)

$2 + 13 = 15$, $13 \times 2 = 26$, $15 + 26 = 41$, $13 \times 3 = 39$, $41 + 39 = 80$, $13 \times 4 = 52$, $80 + 52 = (132)$

26. 8 10 14 18 (-----) 34 50 66 (26)

$8 + 2 = 10$, $10 + 4 = 14$, $14 + 4 = 18$ Missing number = $18 + 8 = (26)$

27. 1 2 6 24 (-----) (120)

$1 \times 2 = 2$, $2 \times 3 = 6$, $6 \times 4 = 24$, $24 \times 5 = (120)$

28. 2 3 8 63 (-----) (3968)

$22 - 1 = 2$, $32 - 1 = 8$, $82 - 1 = 63$, $632 - 1 = (3968)$

29. 95 11.5 138 (-----) 189 (162.5)

$95 + 20.5 = 115.5$, $115.5 + 22.5 = (162.5)$

30. 4 10 (-----) 82 244 730 (28)

$4 \times 3 - 2 = 10$, $10 \times 3 - 2 = (28)$

31. 4 32 128 (-----) (256)

$4 \times 8 = 32$, $32 \times 4 = 128$, $128 \times 2 = (256)$

32. 2 5 9 19 37 (-----) (75)

$2 \times 2 + 1 = 5$, $5 \times 2 - 1 = 9$, $9 \times 2 + 1 = 19$, $19 \times 2 - 1 = 37$, $37 \times 2 + 1 = (75)$

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33. 24 60 120 210 (-----) (336)

$24+36=60$, $60+60=120$, $120+90=210$ i.e $(6 \times (6+0))$, $6 \times (6+4)$, $6 \times (6+14)$, $6 \times (6+9)=90$

Missing number= $210+6 \times (6+15)=210+126= (336)$

34. 165 195 255 285 345 (-----) (435)

$15 \times 11=165$, $15 \times 13=195$, $15 \times 17=255$, $15 \times 19=285$, $15 \times 23=345$

Missing number= $29 = 15 \times 29= (435)$

35. 5 17 37 65 (-----) 45 (101)

$22+1=5$, $42+1=17$, $62+1=37$, $82+1=65$ Missing number= $102+1= (101)$

36. 9 11 20 31 (-----) 82 (51)

$9+11=20$, $20+31= (51)$

37. 5 16 49 104 (-----) (181)

$5+11=16$, $16+33=49$, $49+55=104$

(11×1) , (11×3) , (11×5) Missing Number= $104+(11 \times 7)= (181)$

38. 34 18 10 6 4 (-----) (3)

Each term is divided by 2 & increase 1

$34/2+1=18$, $18/2+1=10$, $6/2+1=4$, $4/2+1= (3)$

39. 462 420 380 (-----) 306 (342)

$462-42=420$, $420-40=380$, $380-38= (342)$

40. 3 8 22 63 185 (-----) (550)

$3 \times 3-1=8$, $8 \times 3-2=22$, $22 \times 3-3=63$, $63 \times 3-4=185$, $185 \times 3-5= (550)$

41. 1 2 5 12 27 58 121 (-----) (248)

$1 \times 1+1=2$, $2 \times 2+1=5$, $5 \times 2+2=12$, $12 \times 2+3=27$, $27 \times 2+4=58$, $58 \times 2+5=121$, $121 \times 2+6= (248)$

42. 0.5 0.55 0.65 0.8 (-----) (1)

$0.5+0.05=0.55$, $0.55+0.10=0.65$, $0.65+0.15=0.80$ Missing number= $0.80+0.20= (1)$

43. 3 8 13 24 41 (-----) (70)

$3+8=13$, $8+13=24$, $13+24=41$, $24+41= (70)$

44. 97 86 73 58 45 (-----) (34)

$97-11=86$, $86-13=73$, $73-15=58$, $58-13=45$ Missing number= $11-45= (34)$

45. 17 19 23 29 (-----) (31)

This series consists prime numbers $17+2=19$, $19+2=21$, $21+2=23$, --- $29+2= (31)$

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46. 5 6 9 15 (-----) 40 (25)

$5+1=6$, $6+3=9$, $9+6=15$ (1,3,6)

Missing number= $15(1+2+3+4) = 15+10= (25)$

47. 3 12 27 48 75 108 (-----) (147)

$3 \times 12=3$, $3 \times 22=12$, $3 \times 32=27$, $3 \times 42=48$, $3 \times 52=75$, $3 \times 62=108$, $3 \times 72= (147)$

48. 134 245 356 467 (-----) (578)

$134+111=245$, $245+111=356$, $356+111=467$, $467+111= (578)$

49. 6 13 28 (-----) (59)

$6 \times 2+1=13$, $13 \times 2+2=28$, $28 \times 2+3= (59)$

50. 563 647 479 815 (-----) (143)

$563+84=647$, $647-168=479$, $479+336= 815$

$-(84 \times 2)$, (84×22) , $+(84 \times 23)$

Missing Number = $815-(84 \times 23)= 815-672= (143)$

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PAF GDP Candidates:

Physics Portion:

Initial Test 2nd March 2017:

1-the study of charges at rest is called as:

a-electrodynamics

b- **electrostatics**

c- electricity

2-the conversion of matter into energy includes the phenomenon of:

a- pair production

b- **annihilation of matter**

c- photoelectric effect

3-A photon loses all its entire energy during:

a- **photoelectric effect**

b- Compton effect

c- pair production

4- the capacitance of two capacitors combined in parallel would be:

a- **2C**

b- $C/2$

c- $C/1+2$

5-one light year=:

a- **$9.5 \times 10^{15} \text{m}$**

b- $7.9 \times 10^{12} \text{m}$

c- $8.5 \times 10^8 \text{m}$

6-the energy of a photon of wavelength 1 angstrom?

a = **1.989×10^{-15}**

7-if the temperature of sun is increased 4 times then what would be the effect on the heat of earth?

a- 8

b- 4

c-16

8- a forward biased pn junction is:

a-on switch

b- **closed switch**

c- resistor

9-a reverse biased pn junction is:

a- **off switch**

b- on switch

c-amplifier

10- in a pure resistive circuit voltage and current are:

a- **inphase**

b- out of phase

c- zero

11-the unit of viscosity is:

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a- Nsm^{-2}

b- Nm^2s^{-1}

c- Nsm

12- the angular acceleration of a body having $2Nm^2$ moment of inertia and 2000 torque is:

a- $2rad\ s^{-2}$

b- $30rad\ s^{-3}$

c- **$1000rads^{-2}$**

13-the no. Of significant figures in 0.0001 is:

a- two

b- four

c- **one**

14-if two vectors of equal magnitude have a resultant also equal to their magnitude then the angle between them is:

a- 60°

b- 75°

c- **120°**

15- in the absence of an external force, the momentum of the body:

a- increases

b- decreases

c- **remains conserved**

16- which of the following is a non conservative force:

a- Coulomb's force

b- gravitational force

c- **frictional force**

17- the velocity required to escape the earth's surface is:

a- $11ms^{-1}$

b- **$11\ kms^{-1}$**

c- $9.8ms^{-1}$

18- the relationship between linear and angular frequency is:

unknown answer

19- the force acting on a satellite is:

a- zero

b- **mv^2/r**

c- ma

20- the unit for spin angular momentum is?

A **joule second**

21- for a body moving upwards:

a- **$w+ma$**

b- $w-ma$

c- $w=ma$

22-the place where area increases the velocity:

a- increases

b- **decreases**

c- remains constant

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23- the angular acceleration is equal to:

- a- **-omega square x**
- b- omega square x
- c- omega x

24- which angle tells the displacement and direction as well:

- a-circular
- b- **phase**
- c-linear

25- the energy absorption for reaonace is:

- a- **maximum**
- b- minimum
- c- constant

26- which waves are standing waves:

- a- electromagnetic
- b- longitudinal
- c- transverse

27- for an aeroplane moving towards the airport the apparent frequency:

- a- increases
- b- **decreases**
- c- constant

28- energy can neither be created nor destroyed is:

- a- 2nd law of thermodynamics
- b- **1st law**
- c- Carnot statement

29- F/q is:

- a- **electric field intensity**
- b- electric flux
- c- electrostatics

30- resistivity is dependent on:

- a- **temperature**
- b- pressure
- c- both

31- the motional emf of the rod increases with:

- a- decrease in magnetic field
- b- **increase in velocity**
- c- remains constant

32- a pn junction could be used as:

- a- transformer
- b- resistor
- c- **rectifier**

33- the square of the average value is called:

- a- root mean square
- b- **mean square**
- c- average value

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34- the ratio of stress to strain is:

- a- **elastic modulus**
- b- rigidity modulus
- c- Hooke's law

35- stress is proportional to strain according to which law:

- a- **Hooke's law**
- b- when's law
- c- archimedes principle

36- high carbo steel is an example of;

- a- ductile substance
- b- **brittle substance**
- c- tough substance

37- a p type semi conductor results when the impurity is added from:

- a- **3rd group**
- b- 5th group
- c- 7th group

38- the charge on a p type semi conductor is:

- a- positive
- b- negative
- c- **neutral**

39- a photo diode is operated in:

- a- forward biasing
- b- **reverse biasing**
- c- both

40- the most suitable idealization of black body is:

- a- **blackened surface with a hole**
- b- glass charcoal
- c- coal

41- the emission of electron from a surface is:

- a- **photo electric effect**
- b- Compton effect
- c- pair production

42- the frequency in Compton effect:

- a- increases
- b- **decreases**
- c- remains unaffected

43- photo electric effect shows the:

- a- wave nature of light
- b- **particle nature of light**
- c- dual nature of light

44- the ionization potential energy for an electron is:

- a- **-13.6eV**
- b- 13.6eV
- c- zero

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45- the correct relation is:

- a- **half life= $0.693/\lambda$**
- b- half life = $0.693 \times \lambda$
- c- none

46- a neutron is equal to:

- a- two up n one down quarks
- b- **one up n two down quarks**
- c- two up n two down quarks

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OUR ISSB PREPERATION SYSTEM:

LECTURES IN THE FORM

VIDEOS

AUDIOS

PRESENTATIONS

PDF FILES

Our Preperation system works on this Strategy:

Monday:

Group Discussion + Islamic General Knowledge.

Tuesday:

Lecture + Map+ every sort of Ans ,Ques regarding ISSB.

Wednesday

Military Planing + Gto's interview.

Thursday:

GTO Out door task..progressive +half group task+Command task & Final G.task.

Friday

Depty's interview + Psyhy Interview+ Sharing Audio's Vedio's lecture from Instruters +self made data in pdf files.

Saturday

Test ☐ whole Dozier.."2Pic & Pointer Stories, 1 set of WAT ,2Set of Sentence Completion in both languages in urdu n English..!

(instantly sponse,Would be Check with very depth n Care).

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Sunday:

Lectures about Dosier + Gto's whole tasks and *Question ,Ans session"..!

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SAMPLE

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