

S7
46

FEDERAL PUBLIC SERVICE COMMISSION, ISLAMABAD
RULES FOR REGULATING THE CONDUCT OF COMPETITIVE EXAMINATION FOR
RECRUITMENT TO THE POSTS OF ASSISTANT DIRECTOR (BS-17) IN THE
SURVEY OF PAKISTAN-2018

Islamabad, the 2018

No.F.9/1/2018-P&PE 1(i)The Competitive Examination for recruitment to the Eight (08) posts (*Punjab=05, & Sindh (R) = 03*) of Assistant Director (BS-17) in the department of Survey of Pakistan, Ministry of Defence shall be conducted by the Federal Public Service Commission w.e.f. 21-10-2018.

(ii) The Examination shall be held simultaneously at **Islamabad, Karachi, Lahore, Peshawar and Quetta.**

(iii)The Commission reserves the right to finally decide and notify the places of Examinations/ Viva Voce.

(iv) The Competitive Examination shall comprise the following:-

a) **Written Examination**

b) **Medical Examination**

c) **Viva Voce**

2. **Cut off date to determine eligibility.**—The closing date for submission of applications as advertised by the Commission shall be the cut off date to determine the eligibility in terms of qualification, age of the candidate.

3. **AGE-LIMITS**

A candidate for admission to the examination must have minimum age of 22 years and maximum age of 32 years on the closing date for receipt of application, as advertised by the Commission.

4. **AGE-RELAXATION**

Maximum age limit as prescribed under the Recruitment Rules shall be relaxed in pursuance of Initial Appointment to Civil Posts (Relaxation of Upper Age Limit) Rules, 1993 (as amended from time to time) as follows:-

(1) (a) **By three years** in case of candidates belonging to the Scheduled Castes, Buddhist Community, Recognized Tribes of the Tribal Areas, Azad Kashmir and the Gilgit Baltistan (only those candidates who are permanent residents of these areas will be eligible for the concession and in each case, a certificate from the Political Agent or as the case may be, the District Coordination Officer of the area, will be required to be produced).

(b) **By ten years** upto the maximum age of 55 years for in-service Government servants **including contract Employees** who have completed 2 years continuous Government service on the closing date for receipt of applications (employees of the Nationalized Banks, State Bank of Pakistan, WAPDA other Semi-Government and Autonomous Bodies are not eligible for this concession).

(c) **By fifteen years or the number of years actually served** in the Armed Forces of Pakistan, whichever is less, in the case of retired/released officers/personnel of the Armed Forces of Pakistan.

(d) **By five years** in case of widow, son or daughter of a deceased civil servant who dies during service.

Note: Where a candidate is eligible for age relaxation under more than one category specified above, he/she shall be allowed relaxation in one category only. In such cases, applications must be accompanied by adequate proof of age relaxation being claimed.

(2) **5 years general age relaxation** over and above any one of the above age relaxations.



5. **DATE OF BIRTH**

The date of birth accepted by the Commission shall be that entered in the following documents, however the decision as to which certificate shall be accepted rests with the Commission:-

- (i) Matriculation Certificate;
- (ii) Secondary or Higher Secondary School Leaving Certificate;
- (iii) Certificate of birth from the Principal/Headmaster of the School from where a candidate has passed his/her GEC, 'O' level or equivalent examination showing the date of birth in the School Admission Register;
- (iv) In case of Christian candidates, Baptismal or birth registration certificate
- (v) Authenticated by service record.

6. **EDUCATION**

(i) A candidate must possess 2nd class Bachelor's Degree with Maths/ Geography/ Physics/Chemistry as one of the main subjects from a recognized University.

OR

2nd class Bachelor's Degree in Civil/Mechanical/ Electrical Engineering from a recognized University.

(ii) The matter as to which foreign degree is comparable and equivalent to corresponding Pakistani degree shall be decided by HEC. Therefore, an equivalence certificate issued by HEC may be attached with application form.

7. **NATIONALITY**

(i). Candidates for the examination must be a citizen of Pakistan or a person deriving his/her nationality from the State of Jammu and Kashmir.

(ii). A candidate who has married a person who is not a citizen of Pakistan shall not be eligible for appointment provided that a person who marries a "foreign national of any country recognized by Federal Government" with the prior permission of Government may be regarded as eligible for appointment.

8. **DOMICILE**

(a). Seats earmarked for prescribed provincial/regional quotas shall be allocated to candidates on the basis of the domicile certificate issued by the competent authority in accordance with the law and the rules.

(b). A candidate who has acquired the citizenship of Pakistan by registration under the Pakistan Citizenship Act and the Rules made there under should attach to the application an attested copy of the certificate of citizenship. A candidate who has not been registered as a citizen of Pakistan but claims that he/she should be deemed to be citizen of Pakistan under the Pakistan Citizenship Act should submit proof to the effect that he/she fulfills the conditions on the basis of which he/she claims to be deemed as a citizen of Pakistan. A candidate who derives his/her nationality from the State of Jammu and Kashmir should attach to the application a certificate issued by the Kashmir Affairs Division duly signed by the Deputy Secretary (Admn) in support of his/her claim.

(c). Only those candidates shall be considered for vacancies reserved for Azad Jammu and Kashmir whose application forms for the Competitive Examination are accompanied by domicile certificate alongwith Permanent Residence Certificate, issued by the Kashmir Affairs Division duly signed by the Deputy Secretary (Admn) of that territory. No such certificates shall be accepted at any later stage.

(d). Domicile once claimed by a candidate and accepted by the Commission for the purpose of admission to an examination shall be final. No change will be allowed at a subsequent examination or selection.



(e). Domicile claimed by a candidate and accepted by the Government (Federal/Provincial/Regional/Local as the case may be) at the time of first entry into Government service shall be treated as final **for the purpose of candidature and allocation** and no subsequent change in his/her domicile will be accepted.

9. **FEES**

Candidates must pay such examination fees as prescribed in Appendix-I to the rules. No claim for refund of any of this fees will be entertained. Examination fees cannot be held in reserve for any other examination or selection.

10. **SUBMISSION OF APPLICATION AND ADMISSION TO THE EXAMINATION**

(i) All applications for Competitive Examination-2015 for the post of Assistant Director (BPS-17) must be submitted on line through FPSC website www.fpsc.gov.pk, on or before the closing date for receipt of applications, as advertised by the Commission.

(ii) **Print out of the** duly filled Online Form (i.e. Hardcopy) may be obtained and after signing it, copies of all documents/certificates (as mentioned at sub rule-vii) may be attached with it and furnished to FPSC so as to reach the FPSC (Headquarters) within 10 days of the closing date. Preferably, the hardcopies may be dispatched or furnished before the closing date so that delay in transit may be avoided. Onus of proof of dispatch of hardcopy of online form and documents, before the closing date, shall solely lie on the candidate.

(iii) Candidates are cautioned that if an online application is received incomplete or wrongly filled in or its hardcopy not accompanied with any one of the documents mentioned at sub-rule (vii), it shall be rejected.

(iv) Hardcopy of the online application, if reached to FPSC after the stipulated period of 10 days from the closing date, it shall not be accepted and online form already submitted to FPSC shall stand rejected.

(v) The hard copy of the online form shall have the same entries as made in the online form submitted to FPSC, and any variation shall cause rejection of candidature.

(vi) No plea that **hardcopy of online application form** or any document attached with it has been lost or delayed in the post shall be entertained.

(vii) The candidates must send the following documents with their duly signed Applications, else their applications shall be rejected:-

- (i) Original Treasury Receipt of fee for Rs.2200/-
- (ii) Recent Photographs (03 copies) mentioning name of applicant and father's name on backside
- (iii) Attested copy of Matriculation Certificate showing date of birth
- (iv) Attested copy of Intermediate Certificate
- (v) Attested copy of Bachelors Degree
- (vi) Attested copy of Master Degree (if any)
- (vii) Attested copy of Computerized National Identity Card
- (viii) Attested copy of Self Domicile Certificate (provisional Domicile is not acceptable)
- (ix) Departmental Permission Certificate on FPSC prescribed form from competent authority, if applicable.
- (x) Attested copy of Notification/ Orders of appointment(s), if applicable.
- (xi) Attested copy of Character Certificate issued by Gazzetted Officer
- (xii) Evidence of being a serving/ retired employee of Armed Forces of Pakistan, (if applicable)

11. **WRITTEN EXAMINATION**

(i) The medium of the Examination shall be English.

(ii) The standard of subjects shall be of Bachelor's degree of a Pakistani university.

(iii) The Examination shall be passed by a candidate as a whole and not in parts.

(iv) Subjects for the Competitive Examination shall comprise of compulsory papers of 700 marks and optional papers of 200 marks as prescribed in Appendix-II.

(v) Each paper shall be of 100 marks and 03 hours duration.



(vi) Optional Subjects must be selected carefully.

(vii) **Optional subjects once chosen at the time of submission of online application shall not be allowed to change subsequently. Change of optional subjects in hard copy of online form shall also not be allowed.**

(viii) For whatsoever reasons, a candidate who misses any compulsory or optional papers of written examination for medical or any other reasons shall not be allowed to appear in the remaining papers.

(ix) **If a candidate misses a paper for any reason, separate examination in that paper shall not be arranged for him/her.**

(x) **The Government** sometimes announces public holidays at a short notice. The FPSC examinations/ interviews shall not be affected by such announcements, unless a decision on postponement is conveyed to the candidates.

(xi) The Commission reserves the right to change the schedule of the Examination as well as to cancel any paper(s) or the Examination without assigning any reason.

12. ADMISSION TO EXAMINATION

(i) No candidate shall be admitted to the examination hall who does not hold a certificate of admission issued by the Commission and Original CNIC. **An admission certificate generated or downloaded from FPSC website shall be accepted.** Intimation about examination centre and Roll No. may be downloaded from FPSC website, if not received through post.

(ii) **A candidate who arrives at examination hall/centre late than the time mentioned in Admission Certificate & date sheet, he/she shall not be allowed to sit in the examination.**

13. EFFECT OF INELIGIBILITY

(i) Candidates shall be admitted to the examination provisionally at their own risk subject to their being found eligible in all respects. On detailed scrutiny of the applications after the announcement of result of the written part of the examination, if any candidate is found ineligible in any respect under these rules for the examination his/her candidature shall be cancelled/ rejected regardless of the fact whether he/she has appeared in the examination or qualified therein.

(ii) The result of any candidate, whose candidature is rejected on any ground, shall not be declared, irrespective whether he/she, failed/passed the examination

Note: To avoid "INCONVENIENCE", candidates are advised in their own interest to make sure before appearing at the examination that they fulfill all requirements of the rules, relating to the examination

14. QUALIFYING MARKS IN WRITTEN EXAMINATION

(i) The qualifying marks for the written portion of the examination shall be 50% in the aggregate and 40% in all compulsory including Mathematics and other optional subjects and 100 marks in the viva voce.

(ii) No grace marks shall be allowed.

(iii) Only those candidates who are declared qualified in written examination and found eligible in all respects shall be called for Viva Voce.

15.

PHYSICAL/ MEDICAL EXAMINATION

(i) A candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the discharge of his/her duties who (after such medical Examination as Government or the Appointing Authority, as the case may be, may prescribe) is found not to satisfy these requirements will not be appointed.

(ii) Regulations for Physical/Medical Examination of the candidates are given at Appendix-III of these rules.



16. VIVA VOCE

- (i) There shall be a Viva Voce of 300 marks.
- (ii) The Viva Voce shall be to test the personal qualities of the candidate. The examination shall be in matters of general interest and intended to test the candidate's alliterates, intelligence and smart outlook. Consideration shall also be paid to the wearing and physique of the candidate.
- (iii) All candidates are expected to have basic knowledge regarding Islam, Pakistan and Current Affairs. Questions may be asked in the Viva Voce on these subjects. Persons securing less than pass marks in these subjects shall not be considered for appointment to Government jobs, irrespective of their proficiency in other fields. However, the Non-Muslim candidates shall not be asked any question regarding Islam.
- (iv) A candidate called for Viva Voce Test, shall be required to bring his/ her original documents, CNIC and Admission Certificate on the date he/ she appears for Viva Voce Test. Commission and/or criminally prosecuted and debarred from future and/or removal from existing employment under Government. These shall be returned on the spot if found in order. Any document found to have been tampered with, shall be liable to be retained and the candidate, liable to be criminally prosecuted in addition to being permanently debarred from the Commission's Examinations and selections and from Employment under Government.
- (v) A candidate who fails to secure less than 100 marks in Viva Voce shall be considered to have failed and shall not be eligible for appointment.

17. DETERMINATION OF FINAL MERIT & ANNOUNCEMENT OF RESULT

- (i) The candidates who qualify in written examination and Viva Voce, their final merit shall be determined by adding marks obtained in the written examination and Viva Voce.
- (ii) When total marks (written examination + Viva Voce) of more than one candidate are equal, the one who gets more marks in Viva Voce shall be treated as higher in merit. If marks in Viva Voce are also equal, the one who is older in age shall be treated as higher in merit.
- (iii) The candidates who pass the written examination shall be intimated individually as well as through website but the candidates who fail in written examination shall not be informed individually. They may download detail mark sheets from FPSC's website.
- (iv) **Only FPSC is authorized to announce the result of the examination.**

18. APPOINTMENT

- (i) The candidates securing highest places on the combined results of the Written Examination and Viva Voce and eligible for appointment shall be recommended by the Commission in order of merit upto the number of advertised vacancies.
- (ii) Success in the Examination confers no right to appointment, as the appointments are made by the Government in accordance with the relevant rules and fulfillment of the required formalities.

19. RESERVE LIST: ALTERNATE NOMINATION

- (i) The Commission shall issue its recommendation as per number of advertised posts. However, reserve list of qualified candidates (if available) shall be maintained.
- (ii) In case a nominee of the Commission does not join due to any reason the next candidate on merit shall be recommended as alternate nominee(s) if so requested by the concerned Department/ Division, with a period of one year of issuance of principal nomination.
- (iii) In case a nominee of the Commission left service after joining, no alternate nomination shall be issued, because in such a case, the post shall stand consumed.
- (iv) Reserve list is not meant for fresh vacancies



20. WARNING

(i) A candidate who knowingly furnishes particulars which are false, or suppresses material information, or attempts to influence the Commission, or officers or members of the staff of the Commission, or tries to obtain support for his/her candidature by improper means, or deliberately submits forged certificates, or tampers with the entries in his/her age, educational and other certificates, or misbehaves in the examination hall or uses unfair means including use of mobile or phone or other electronic device for copying, or is found guilty of misconduct during Written Examination and Viva Voce and uses filthy and unethical language in the Answer Book(s) during written examination, may be disqualified for this and/or subsequent examinations/ selections held by the Commission and/or criminally prosecuted and debarred from future and/or removal from existing employment under Government.

(ii) **If during the conduct of Examination at a centre/hall, any candidate is found in possession of mobile phone or likewise devices, he/she shall be prosecuted under the rule-20.**

(iii) A candidate who, even after his/her appointment, is found to have knowingly furnished particulars which are false, or to have suppressed material information shall be liable to dismissal from Service.

21. REPRESENTATION AND REVIEW PETITION

(i) A candidate aggrieved by any decision of the Federal Public Service Commission may, within thirty days of communication of decision, make a representation to the Commission and the Commission shall decide the representation within fifteen days after giving the candidate a reasonable opportunity of hearing.

(ii) A candidate aggrieved by the decision of the Commission made under sub rule (1) may, within fifteen days of communication of decision, submit a review petition to the Commission and the Commission shall decide the review petition within thirty days under intimation to the petitioner. The decision of the Commission on review petition shall be final.

(iii) Save as provided in "Federal Public Service Commission Ordinance, 1977", no order made or proceeding taken under "FPSC ORDINANCE, 1977", or rules made hereunder, by the Commission shall be called in question in any court and no injunction shall be granted by any court in respect of any decision made or taken in pursuance of any power conferred by, or under, "FPSC Ordinance, 1977".

(iv) Any candidate aggrieved by a decision of the Commission under sub-rule (2) may, within thirty days of the decision, prefer an appeal to the High Court.

(v) Each representation and review petition **duly signed** shall be entertained only if accompanied with Original Treasury Receipt of Rs.500/- in each case.

22. DEPARTMENTAL PERMISSION CERTIFICATE

Departmental Permission Certificate (DPC) as at Annex-I of the Application Form may be provided within 10 days of the closing date. However, candidate shall submit an advance copy of application on prescribed form to FPSC on or before closing date to avoid rejection due to delay that may occur in processing of DPC by the Government channels.

23. CORRESPONDENCE

All correspondence may be addressed to Secretary, FPSC. Candidates should not write their postal addresses care of Post Box Number etc. as Postal Authorities do not accept registered letters for such an address. In all correspondence in connection with Applications, (before receiving Roll Numbers) full name of candidates, CNIC number, contact number and name of the post/examination applied for, should be mentioned.



24. **Change of address** shall be reported to the FPSC immediately.

61 82

25. **RECOUNTING**

Answer Books are secret documents and cannot, therefore, be permitted to be seen by the candidates or their representatives nor re-examination of Answer Books/Scripts shall be allowed under any circumstances. A candidate desirous of getting his/her marks, awarded by the examiners re-counted may submit his/her request, so as to reach FPSC within thirty days of the date of display on FPSC's website/issue of Result Card/Marks Sheet/ alongwith a Treasury Receipt of Rs.500/- per paper as fee for re-counting of marks only. No such request shall be entertained, thereafter.

26. **INTER-SE-SENIORITY**

The seniority of the recommended candidates shall be determined in order of merit assigned to them.

Note:- This issues with the approval of the Competent Authority.

Cujr
Secretary

62
85

**COMPETITIVE EXAMINATION FOR RECRUITMENT TO
THE POSTS OF ASSISTANT DIRECTOR (BS-17) IN THE SURVEY OF PAKISTAN-2018
RATE OF FEES**

1. The following fees must be paid by the candidates :—

(A) To the Federal Public Service Commission.

(i) **Rs.2200/-** for written Competitive Examination (Application fee)

(ii) **Rs.500/-** for each representation/review petition which a candidate wants to submit against any decision of the Commission.

(iii) **Rs.500/-** per paper as fee for recounting of marks.

The procedure for payment of fee is as under:

(i) The amount should be deposited in a branch of the National Bank of Pakistan, or in the nearest Government Treasury or in State Bank of Pakistan under the Head of account "C02101 Organs of State – Exam Fee (FPSC Receipts)". Cash, postal orders, bank drafts and cheques will not be accepted by the Federal Public Service Commission:

(ii) The name of the bank/treasury office at which the fee has been deposited should be clearly entered in the treasury receipt. The treasury receipt should be on the form prescribed for the Federal Government transactions and should be obtained from the treasury at which the fee is deposited.

(iii) Candidates outside Pakistan may submit their applications without paying the prescribed examination fee. They must, however, arrange to pay the fees and send the receipt before the date of the examination.

(B) To the Medical Board.

(i) **Rs.100/-** to be deposited by all the candidates in the Government Treasury/State Bank of Pakistan under Head of Accounts "C—02839-Health Fee for Medical Examination." The original copy of the Treasury Challan should be handed over to the President of the Central Medical Board at the time of Medical Examination.

(ii) **Rs. 750/-** before examination by a Medical Board in the case of candidates who qualify in the written examination. Payment of this fee will be required to be made in cash to the Medical Board concerned at the time of physical examination of the candidates. Candidates will present their National Identity Cards & Admission Certificates to the Medical Authorities concerned.

(iii) A Candidate who is medically deferred will have to make the full payment again to the Medical Board at the time of re-examination.

2. Candidates must see by reference to the rules and must decide definitely before depositing the fee in the Treasury/Bank that they are eligible in all respects to apply for the examination. Fee once deposited in the Treasury/Bank will not be refunded, nor will it be held in reserve for any other examination or selection under any circumstances.



GUIDELINES OF THE SYLLABUS FOR COMPETITIVE EXAMINATION OF ASSISTANT DIRECTOR (BS-17) (SURVEY OF PAKISTAN), 2018

84
63

(A) Compulsory Papers

1.	(1) Islamiat:	<u>Duration of Paper</u> 03 hours	<u>Total Marks</u> 100
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Basic Principles of Islam.

- (i) Articles of faith.
- (ii) The Concept and Spirit of Tauheed.
- (iii) Finality of Prophethood.
- (iv) Practices of Islam.

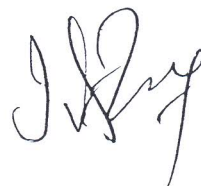
(2) Islamic History:

- (i) The Holy Prophet of Islam, Perfect personality Main Events of his life. Conception of Sunnah.
- (ii) Brief Survey of the following: —
Khulfa-i-Rashideen, Umayyads; Abbassids; Muslims in Spain and North Africa, Post Mongol Muslim period (Persian, Ottoman Turks, Muslims in Indo-Pakistan sub-continent) ; Islam in the 19th and 20th centuries; The world of Islam today.
- (iii) The Holy Quran, its revelation, compilation and basic principles. Salient characteristics: —
 - (a) its revelation and compilation.
 - (b) Certain basic principles:
 - (i) Duty towards Allah (Submission to his Laws).
 - (ii) Duty towards Society (Equality, justice and honesty intellectual as well as financial).
 - (iii) Duty towards Nature. — [Understanding (through experimentation), conquest and domination of the forces of nature in the service of Allah].
 - (iv) Duty towards. — (Moral development and purification with an object to serve God's people).

Note: The non-muslim candidates have the option to take Islamiat as one of the Compulsory subject or otherwise paper of Pakistan Studies will be treated of 200 marks in their case and half of the total marks obtained by them in the paper of Pakistan Studies will be counted in lieu of Islamiat.

2.	Pakistan Studies	<u>Duration of Paper</u> 03 hours	<u>Total Marks</u> 100
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1. The Pakistan Ideology.
2. Historical Background of Pak, Ideology.
3. Pakistan Movement & Political Struggle.
4. Establishment of Pakistan.
5. Our land Pakistan.
6. Pakistan role in Islamic and International World.



3. Mathematics (300 Marks)

		<u>Duration of Paper</u>	<u>Marks</u>
Paper-I	Algebra.—Quadratic equations. Theory of Quadratic Equations, Simultaneous Equations, Arithmetical, Geometrical and Harmonical Progressions, Miscellaneous Series Permutations and Combination, Binomial theorems, partial fractions and determinants.	03 hours	100
Paper-II	Geometry.—First four and sixth books of Euclid with simple deductions and arithmetical illustrations.	03 hours	100
Paper-III	Plane Trigonometry Measurement of Angles, sexageimal, Centesimal and Circular Systems, Trigonometrical Ratios and their graphs and formulae. Identities Trigonometrical Equations Heights and Distances areas of triangles and regular polygons, inverse circular functions, solution of triangles, Logarithms and menstruations.	03 hours	100

4. Drawing (200 Marks)

		<u>Duration of Paper</u>	<u>Marks</u>
Paper-I	Free hand from copies.	03 hours	100
Paper-II	Geometrical Drawing-Drawing plane, Geometrical Figures with compass and rule, hand printing and construction of scales of all kinds including diagonal scale.	03 hours	100

(B) Optional Papers

1. Survey (200 Marks)

	<u>Duration of Paper</u>	<u>Marks</u>
Survey Paper-I	03 hours	100

(Part-I)

- Theoretical
- Construction of scales.
- Levelling.
- Theodolite Traversing.
- Triangulation.
- Instruments: Their uses and adjustment.
- Theodolite resection.
- Computations in rectangular coordinates,
- Planetabling....General Methods involved for various scales.
- Coatouring by tangent clinometer
- P.T. traverse and its adjustment.
- Explanation of 2 and 3 points problems in Resection.
- Astronomy.....(i) Elements of Spherical Trigonometry upto solution of Spherical triangle and Napier's rule of circular parts. Definitions, Celestial coordinates, Sidereal, Solar, and Meantime, Acceleration and retardation, Equation of time.

(Part-II)

- (a) Determination of Time by Sun and East and West Stars.
- (b) Determination of Azimuth by Sun and Stars.
- (c) Determination of Latitude when time and altitude are known.
- (d) Determination of Latitude by circummeridional altitudes.
- (e) Determination of Latitude by exmerdional altitude.
- (f) Astrofixation by position line method.
- (g) Conversion of Time.

Air Survey.....Elementary graphical methods (Radial Line plotting of Survey from air photography). Definitions of terms used in Aerial Survey.

Elementary knowledge of Map Projections.
Elements of Map reproduction.

Survey Paper-II (Practical)

Duration of Paper Marks
03 hours 100

Tertiary leveling.
Plane tabling (large scale)
Sun Azimuth, observations and computation.
Map Drawing, in blue print, and hand lettering.

OR

2. Pure Mathematics (200 Marks)

Duration of Paper Marks

Paper-I Calculus and Analytic Geometry. —Complex number, Limits and Continuity, Derivatives and Anti-Derivatives, Differential Equations, Mean Value Theorems; Indeterminate Forms and Expansions; Definite Infinite Series, Plane Curves

03 hours 100

Paper-II Mathematical Methods.—Analytical Geometry of three dimensions, Function of two variables, Surface areas, volumes and Centriods, C Groups; fields and vector Spaces, Matrices, Determinants and linear Equations;

03 hours 100

OR

3. Geography (200 Marks)

Duration of Paper Marks

Paper-I Theoretical.—Physical Geography and Regional Geography.

03 hours 100

Paper-II Practical.—Scale, Projections Map Reading, P.T. survey and contouring etc.

03 hours 100

OR

4. Physics (200 Marks)

	<u>Duration of Paper</u>	<u>Marks</u>
Paper-I General Physics: Heat; Light; with emphasis on the applied side.	03 hours	100
Paper-II Sound, Electricity and Magnetism, One or two questions may be set on Modern Physics, with emphasis on the applied side.	03 hours	100

87
66

OR

5 Chemistry (200 Marks)

	<u>Duration of Paper</u>	<u>Marks</u>
Paper-I Physical Chemistry and in-Organic Chemistry.	03 hours	100
Paper-II Organic Chemistry.	03 hours	100

Handwritten signature

FEDERAL PUBLIC SERVICE COMMISSION
REGULATIONS FOR PHYSICAL EXAMINATION
COMPETITIVE EXAMINATION (ASSISTANT DIRECTOR (BS-17),
SURVEY OF PAKISTAN), 2018

These regulations are for the convenience of candidates and in order to enable them to ascertain the probability of their coming up to the required physical standard. But it must be clearly understood that the Government of Pakistan reserve to themselves an absolute discretion to reject as unfit any candidate whom they may consider, on the report of the Medical Board, to be physically disqualified for the Service and that their discretion is in no respect limited by these regulations. Save as provided in Regulation 2, these regulations are intended merely for the guidance of Medical Examiners and are not meant to restrict their discretion in any way.

1. To be passed as fit for appointment a candidate must be in good mental and bodily health and free from any physical defect likely to interfere with the efficient performance of the duties of his appointment.

CHEST MEASUREMENT

2. The candidate's chest will be measured as follows:-

He will be made to stand erect with his feet together and to raise his arms over his head. The tape will be so adjusted around the chest that its upper edge touches the interior angles of the shoulder blades behind and its lower edge the upper part of the nipple in front. The arms will then be lowered to hang loosely by the side, and care will be taken that the shoulders are not thrown upwards or backwards so as to displace the tape. The candidate will then be directed to take a deep inspiration several times and the maximum expansion of the chest will be carefully noted, and the minimum and maximum will then be recorded in inches, 33-35, 34-36 ½, etc. In accordance with the measurements, fractions of less than ½ inch should not be noted.

3. A minimum chest measurement of 33 inches (girth when fully expanded with a minimum expansion of 2 inches) is required. In the matter of co-relation of age, height and chest-girth of candidates, it is left to the Medical Board to use whatever co-relation figures are considered most suitable as guide in the examination of the candidates.

HEIGHT MEASUREMENT

4. The candidate's height will be measured as follows:-

He will remove his shoes and be placed against the standard with his feet together and the weight thrown on the heels and not on the toes or outer sides of the feet. He will stand erect without rigidly and with the heels, calves, buttock and shoulders touching the standard, the chin will be depressed to bring the vertex of the heel level under the horizontal bar, and the height will be recorded in inches and parts of an inch to quarters. Candidate whose height is less than 5 ft. will not be considered physically fit for appointment.

WEIGHT ASSESSMENT

5. The candidate will also be weighed and his weight recorded in pounds. Fractions of a pound should not be recorded.

VISUAL ACUITY

6. The candidate's eye sight will be tested in accordance with the following rules. The result of each test will be recorded:-

(i) **General.**— The candidate's eyes will be submitted to a general examination directed to the detection of any disease or abnormality. The candidate will be rejected if he suffers from any squint or morbid conditions of eyes, eye-lids or contiguous structures of such a sort as to render, or to be likely at a future date, to render him unfit for service.

(ii) **Visual Acuity.**—(a) The examination for determining the acuteness of vision includes two tests, one for distant, the other for near vision. Each eye will be examined separately. Snellen's test types will be used for the test for distant vision without glasses at a distance of 20 feet, and for the test for near vision, without glasses at any distance selected by the candidate.



(b) No candidates will be accepted whose Visual Acuity falls below the following standards:-

	Better eye	Worse eye
Distant vision without glass	6/12	6/18
Corrected with glass	6/6	6/9
Near vision with or without glasses	0.6	0.6

68
59

(iii) Colour perception, night blindness and field vision (a) Each eye will be examined separately and the lids must be kept wide upon during the test.

(b) Inability to distinguish the principal colours will not be regarded as a cause for rejection but the fact will be noted in the proceedings and the candidates will be informed

(c) Each eye must have a full field of vision as tested by hand movements.

(iv) The degree of acuteness of vision of all candidates for appointment will be entered in the proceedings in the following manner:-

V.R....., with glasses..... Reads.....
V.L....., with glasses..... Reads.....

(v) In cases of serious abnormality the opinion of an ophthalmic specialist should be obtained.

Note:- No candidate will be accepted for appointment if his vision does not come up to the requirements specified above without the use of contact glasses. (A contact glass or lens is defined as a glass of concavity of which is in contact with the globe of the eye, a layer the liquid being interposed between the lens and the cornea. The meaning of the word "glasses" whenever used above is to be interpreted as not covering contact glass).

7. The urine (passed in the presence of the examiner) should be examined and the result recorded.

8. The following additional points should be observed :-

- (a) that the candidates hearing in each ear is good and that there is no sign of disease of the ear.
- (b) that his speech is without impediment,
- (c) that his teeth are in good order and that he is provided with denture where necessary for effective mastication (well filled teeth will be considered as sound).
- (d) that his chest is well formed and his chest expansion sufficient and that his heart and lungs are sound.
- (e) that there is no evidence of any abdominal disease,
- (f) that he is not ruptured.
- (g) that he does not suffer from hydrocele, a severe degree of varicocelo, varicos ventine or piles,
- (h) that his limbs, hands and feet are well formed and developed and that there is free and perfect motion of all his joints,
- (i) that he does not suffer from any inveterate skin disease,
- (j) that there is no congenital malformation or defect,
- (k) that he does not bear traces of acute or chronic disease pointing to an impaired constitution.
- (l) that he bears marks of efficient vaccination, and
- (m) that he is free from communicable disease.

9. When any defect is found it must be noted in the certificate and the medical examiner should state his opinion whether or not it is likely to interfere with the efficient performance of the duties which will be required of the candidates. If the condition is remediable by operation it should be so stated.

Note:- Candidates are warned that there is no right of appeal from a medical Board, special or standing, appointed to determine their fitness for the able services. If, however, Government are satisfied on the evidence produced to the of the possibility of an error of judgement in the decision of the first Board, it is open to Government to allow any appeal to a second Board.