



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

AGRICULTURE

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE: i. Attempt any five questions; all questions carry equal marks.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
v. Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1. Define the term growth in plants. How it differs from the development. Illustrate the stages of plant development of any legume crop. (30)
- Q. No. 2. Explain the production cost of a crop grown in Pakistan. Which steps are important to be taken in consideration for production cost estimation of a wheat crop? (30)
- Q. No. 3. Define photosynthesis. How photosynthesis differs within a C3 and C4 plants. (30)
- Q. No. 4. Explain the term biodiversity. What is its significance in the agriculture? Elaborate the mechanism of biodiversity in crops in relation to climate change. (30)
- Q. No. 5. Explain production technology in rainfed area. Which steps do you suggest to be taken for improvement in the Baluchistan? (30)
- Q. No. 6. Explain the term open pollinated variety (OPV). How it differs from a synthetic variety. Why hybrid is considered superior over an OPV variety in the world. (30)
- Q. No. 7. What are main differences between mineral and nutrient? How many elements are essential for plant growth? Explain any one in details. (30)
- Q. No. 8. List the major challenges faced by Agriculture in Pakistan. Which steps do you suggest to take to overcome these challenges? (30)
- Q. No. 9. Prioritized the yield contributing traits of any cereal crop? Classify the primary and secondary yield contributing traits of maize crop. Elaborate how it affects grain yield. (30)
- Q. No. 10. Write short note on any 5 of the followings. (6x5)
- a) Acidic soil
 - b) Agriculture Cooperation
 - c) Greenhouse gases (GHG)
 - d) Green house effects
 - e) Primary tillage
 - f) Secondary tillage
 - g) Integrated pest management



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COMPETITIVE EXAMINATION 2021

FOR RECRUITMENT TO THE POSTS OF

ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

APPLIED CHEMISTRY

Roll Number

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE: i. Attempt any five questions. All questions carry equal marks.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
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- Q. No. 1 Explain the steps involved in municipal wastewater treatment. (30)
- Q. No. 2 Define fermentation. Explain it in terms of food processing. (30)
- Q. No. 3 Discuss the continuous process for soap preparation. (30)
- Q. No. 4 a) Differentiate between fine and heavy chemicals. (15)
b) Differentiate among distilled, mineral and oxygenated water. (15)
- Q. No. 5 Discuss in detail the extraction method used for essential oils. (30)
- Q. No. 6 Discuss the production of varnishes with the help of its flow sheet. (30)
- Q. No. 7 Explain how pulp is processed for paper making in paper mill. (30)
- Q. No. 8 Define coal carbonization. Explain the carbonization products. (30)
- Q. No. 9 Explain the methods followed for the preparation of urea. (30)
- Q. No. 10 a) What are ceramics? How traditional ceramics are different from new/advanced ceramics. (15)
b) Write a detailed account of the classification of ceramics. (15)



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
ARABIC LITERATURE PERIOD-II

Roll Number

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any **FIVE** questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** Discuss the purposes and features of Abbasid Poetry with special emphasis on the poetry of Abu Al-Atahiyat (أبو العتاهية). (30)
- Q. No. 2** Write a detailed note on Art of Composition and Letter writing (الإنشاء والترسل) in Abbasid era. (30)
- Q. No. 3** Discuss Literary Criticism (النقد الأدبي) and its promotion in Abbasid era. (30)
- Q. No. 4** Write a detailed note on the life of Ibn-ul-Muqaffa (ابن المقفع) and his literary works with special emphasis on his services to translation (الترجمة). (30)
- Q. No. 5** Write a comprehensive note on Spanish Artistic Prose (النثر الفني الأندلسي). (30)
- Q. No. 6** Write a detailed note on the life of Ibn e Abd Rabbihi (ابن عبد ربه) and his literary works. (30)
- Q. No. 7** Write any Essay on the Ibn Al-Ameed and Art of Letter writing (ابن العميد وفن الرسالة). (30)
- Q. No. 8** Write a detailed note on Art of Muqamat (فن المقامات). (30)



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ARABIC

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

NOTE: i. Attempt all questions.

ii. عربی لکھنے وقت حرکات اور اعراب کا خاص خیال رکھیں، خصوصاً اعراب نہ لکھنے کی صورت میں نمبر کٹ سکتے ہیں۔

iii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iv. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

v. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

vi. Extra attempt of any question or any part of the attempted question will not be considered.

Q. No. 1 Translate any two of the following Surahs of the Holy Quran. (25)

i. Surah Al-Asr (سورة العصر) ii. Surah Al-Maoun (سورة الماعون) iii. Surah Al-Ikhlās (سورة الاخلاص)

Q. No. 2 Translate any two of the following Ahadith in English Language. (25)

(i) عَنْ أَبِي هُرَيْرَةَ قَالَ: قَالَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ قَالَ: (أَلَا أَذْلكُمْ عَلَى مَا يَمْخُو اللَّهُ بِهِ الْخَطَايَا فَنَزَلَ بِهِ الرِّزْقَاتِ؟) قَالُوا

بَلَى يَا رَسُولَ اللَّهِ قَالَ: «إِسْتَبَاحُ الْوُضُوءِ عَلَى الْمَكَارِهِ وَكَثْرَةُ الْخَطَايَا إِلَى الْمَسَاجِدِ وَالنَّيَاطُ الصَّلَاةِ يَغْدِي الصَّلَاةَ فَذَلِكَ الرِّزْقُ»

(ii) عَنْ جَابِرٍ قَالَ: قَالَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ: «أَمَّا بَعْدُ فَإِنَّ خَيْرَ الْحَدِيثِ كِتَابُ اللَّهِ وَخَيْرُ الْهَدْيِ هَدْيُ مُحَمَّدٍ وَخَيْرُ الْأُمُورِ تَحَدُّثُهَا وَكُلُّ بِذَعَةٍ ضَالَّةٌ»

(iii) عَنْ عُمَرَ بْنِ الْخَطَّابِ رَضِيَ اللَّهُ عَنْهُ قَالَ: قَالَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ: «إِنَّمَا الْأَعْمَالُ بِالنِّيَّاتِ وَإِنَّمَا لِكُلِّ امْرِئٍ مَا نَوَى فَمَنْ كَانَتْ هِجْرَتُهُ إِلَى اللَّهِ وَرَسُولِهِ فَهَجْرَتُهُ إِلَى اللَّهِ وَرَسُولِهِ وَمَنْ كَانَتْ هِجْرَتُهُ إِلَى دُنْيَا يُصِيبُهَا أَوْ امْرَأَةٍ يَتَرَوَّجُهَا فَهَجْرَتُهُ إِلَى مَا هَاجَرَ إِلَيْهِ»

Q. No. 3 Discuss the salient features of Pre-Islamic Arabic Poetry (اهم خصائص الشعر الجاهلي). (25)

Q. No. 4 Translate any one of the following into English: (25)

(i) أَلَا إِنَّ الْفُقَرَاءَ هُمُ الْمَرْحُومُونَ أَلَا وَإِنَّكُمْ الْيَوْمَ عَلَى خِلَافَةِ النَّبِيِّ، وَمُفَرَّقِ الْمَجْعَةِ. وَإِنَّكُمْ سَتَرُونَ بَعْدِي مَلِكًا عَضُوضًا، وَمَلِكًا عَنُودًا، وَأَمَةً شِعَاعًا، وَدَمًا مَبَاحًا. فَإِنَّ كَانَتْ لِلْبَاطِلِ نَزْوَةٌ، وَلِأَهْلِ الْحَقِّ جَوْلَةٌ، يَعْطُو لَهَا الْأَثَرَ، وَيَمُوتُ لَهَا الْبَشَرُ، وَتُجَاهَا بِمَا لَقِيَ، وَتَمُوتُ لَهَا السِّنُّ، فَالزَّمُوا الْمَسَاجِدَ، وَاسْتَشِيرُوا الْقُرْآنَ، وَاعْتَصِمُوا بِالطَّاعَةِ، وَلَا تَفَارِقُوا الْجَمَاعَةَ. وَلَيْكُنِ الْإِيمَانُ بَعْدَ الْمَشَاوَرَةِ، وَالصَّفَقَةُ بَعْدَ طَوْلِ التَّانُّظَرِ. أَيُّ بِلَادِكُمْ خَرَسَتْ؟ فَإِنَّكُمْ سَيَفْتَحُ عَلَيْكُمْ أَقْصَاهَا كَمَا فَتَحَ عَلَيْكُمْ أَدْنَاهَا.

(ii) إِنَّ اللَّهَ دَاوَى هَذِهِ الْأُمَّةَ بِدَوَائِينَ: السِّيفِ وَالسُّوْطِ، فَلَا هَوَادَةَ عِنْدَ الْإِمَامِ فِيهِمَا، اسْتَرْتَوْا بِيُوتِكُمْ وَأَصْلَحُوا فِيهَا بَيْنَكُمْ، وَالتَّوْبَةُ مِنْ وَرَائِكُمْ. مَنْ أَهْدَى صَفْحَتَهُ لِلْحَقِّ هَلَكَ. قَدْ كَانَتْ لَكُمْ أُمُورٌ مَلُومَةٌ عَلَيَّ فِيهَا مِيلَةٌ لَمْ تَكُونُوا عِنْدِي فِيهَا بِمَحْمُودِينَ وَلَا مُصِيبِينَ. أَمَّا إِنِّي لَوْ أَرِيتُ لَقُلْتُ عَفَا اللَّهُ عَمَّا سَلَفَ. سَبَقَ الرِّجَالُ وَقَامَ الْفَالِثُ، كَالْغَرَابِ مِنْهُ بَطْنُهُ، يَا وَيْهَ، لَوْ قَصَصَ جَنَاحَاهُ وَقَطَعَ رَأْسَهُ لَكَانَ خَيْرًا لَهُ. الظُّرُوفُ فَإِنَّ أَنْكَرْتُمْ فَانْكُرُوا، وَإِنْ عَرَفْتُمْ فَآزَرُوا. حَقٌّ وَبَاطِلٌ، وَلِكُلِّ أَهْلٍ، وَلَتَنْ أَمْرُ الْبَاطِلِ لَقَدِيمًا فَعَلْ، وَلَتَنْ قَلَّ الْحَقُّ لَرِمَا وَلَعَلْ. مَا أَدْبَرَ شَيْءٌ فَاقْبَلْ. وَلَتَنْ رَجَعَتْ عَلَيْكُمْ أُمُورُكُمْ أَنْكُمْ لَسَعْدَاءُ، وَإِنِّي لِأَخْشَى أَنْ تَكُونُوا فِي فِتْرَةٍ وَمَا عَلَيْنَا إِلَّا الْجِهَادُ.

Q. No. 5 Translate the following into Arabic. (25)

Mr. Shakir was an intelligent and a hardworking student. He was my classmate in M. Com. He used to remain busy all the time with reading books on his subject and the related topics. As a result of his continuous and systematic reading, he became very proficient in his subject. Teachers were happy with him and so were the students. He passed his M.Com with distinction in each paper, and soon after that he got a big post in the government with huge salary. Now we don't meet but I still remember him. I don't know whether he remembers me or not.

Q. No. 6 Write an Essay in Arabic (350 words) on one of the following topics: (25)

i. قضية فلسطين ii. العلامة محمد اقبال iii. اللغة العربية في العصر الحديث



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ASTRONOMY

July 13, 2021

Time Allowed: 03 Hours

Total Marks: 150

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
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- Q. No. 1** a) What are spectral lines? How are they produced? Mention situations in which emission and absorption line spectra are produced. (15)
- b) What information can we deduce from Quasar Absorption Lines? (15)
- Q. No. 2** a) Discuss the classification of galaxies and how can we see the Milky Way if we are inside it? (20)
- b) How do galaxies collide in an expanding universe? (10)
- Q. No. 3** a) Define black hole. What would happen if two black holes merged? Will our sun become a black hole? (15)
- b) How are black holes formed? What are the types of black holes? (15)
- Q. No. 4** a) What is the purpose of using telescopes in astronomy? Discuss some major types of in detail. (15)
- b) What is meant by Hubble Space Telescope? How HST works? Explain briefly. (15)
- Q. No. 5** a) What is the HII region in astronomy? How can you determine the temperature of HII regions? (10)
- b) Describe the characteristics of the various kinds of interstellar gas (HII regions, neutral hydrogen clouds, ultra-hot gas clouds and molecular clouds). (20)
- Q. No. 6** a) Why do the altitude and azimuth of a star depend on the date, time and location of the observer? How is the altitude of a celestial pole (north or south) related to an observer's latitude? (Discuss both hemispheres). (15)
- b) Explain why people living at the equator have 12-hour days throughout the year? Describe possible climate zone of Earth, if the Earth axis is not tilted. (15)
- Q. No. 7** a) Why do some stars pulsate while some others do not? Consider Cepheids as an example. (15)
- b) Define the terms "thermal equilibrium" and "hydrostatic equilibrium". How do they apply to stars? (15)
- Q. No. 8** Write short note on any Five of the following. (30)
- | | | |
|-------------------|---------------------------|-------------------|
| i) Supernovae | v) Astronomical Unit (AU) | ix) Proper Motion |
| ii) Blue Shift | vi) Event Horizon | x) Galactic Halo |
| iii) Hubble's Law | vii) Light Year | |
| iv) Luminosity | viii) Gravitational waves | |



BALUCHISTAN PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION 2021

FOR RECRUITMENT TO THE POSTS OF
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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

GENERAL PAPER IN BALUCHI

Total Marks: 100

June 17, 2021

Time Allowed: 03 Hours

NOTE: i. Attempt all questions.

ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

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v. Extra attempt of any question or any part of the attempted question will not be considered.

(۲۵) **اولی جسط:** چه جهل ۽ سرخالق یک ۽ سرا نېشته بکن یت.

الف: کرونا وائرس ۽ انسانی جاگرد ۽ سرا اثراواں شما چون گندیات؟

ب: بلوچستان ۽ دیمروی ۽ پاکستان چین اقتصادی راہداری ۽ بابت ۽ وئی خیالان درشان بکن یت.

ج: کشمیر ۽ جیزہ ۽ لاسی ۽ ہندوستان ۽ پاکستان ۽ مہلوی ۽ چونیں نپ ۽ سیت کاریت؟

د: بلوچی زبان ۽ لہزانک ۽ دیمروی ۽ ادراک ۽ گلائی کرد ۽ بابت ۽ نېشته بکن یت.

(۱۵) **دومی جسط:** جهل ۽ دانگیں شخصیتان یک ۽ سرا نېشته بکن یت.

۱۔ یوسف عزیز مگسی ۲۔ مٹھا خان مری ۳۔ عطاشاد ۴۔ عزیز بگٹی

(۱۵) **سیمی جسط:** غنی پرواز ۽ علمی خدمتانی بارہ ۽ نېشتانک ۽ نېشته بکن یت.

(۱۵) **چارمی جسط:** نوکیں شاعری ۽ رواج ۽ ردوم ۽ سید ہاشمی ۽ کرد ۽ شما چون گندیات، سرجمی ۽ نېشته بکن یت.

(۱۵) **پنجمی جسط:** ڈیرہ جات ۽ کوہ سلیمان ۽ بلوچی زبان ۽ لہزانک ۽ استیں جاورحال ۽ بابت ۽ وئی خیال ۽ لیکھاں درشان بکن یت.

(۱۵) **ششمی جسط:** جهل ۽ انگریزی ٹیکسٹ ۽ بلوچی ۽ رجانک بکن یت.

The land of Balochistan has produced a number of ancient cultures. These cultures have diffused together and give the oldest and first settlement in shape of Mehargarh civilization at subcontinent. This region has been the cradle of civilizations for thousands of years. These archaeological sites could be found everywhere in Balochistan. Balochistan remained the gateway between the civilizations of West and East and this continued till the arrival of Arabs in sub-continent.



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

BOTANY

Total Marks: 150

July 09, 2021

Time Allowed: 03 Hours

NOTE: i. Attempt five questions in all, selecting two from each section, apart from question No. 1 which is **COMPULSORY**. All questions carry equal marks, draw diagrams where necessary.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
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Q-1 a) SELECT ONE BEST OPTION:

(10)

- i. *Plasmids play an important role in:*
a) Conjugation b) Division c) Regulation d) Protection
- ii. *The filament with prostate and vertical systems are:*
a) Monotrichous b) Heterotrichous c) Coenocytes d) Coenobia
- iii. *Enzyme Zymase is produced by:*
a) Yeast b) Pythium c) Penicillium d) Plasmodiophora
- iv. *Match ligule with one of the following:*
a) Root b) Leaf c) Stem d) Rhizome
- v. *The nonpolar organic molecules that are insoluble in polar water but soluble in nonpolar organic are:*
a) Protein b) Carbohydrate c) Lipids d) DNA
- vi. *Net number of ATP produced during Glycolysis:*
a) 2 b) 3 c) 5 d) 6
- vii. *Which of the following is secondary pollutant?*
a) Co b) S c) PAN d) HI
- viii. *Soil transported by water is called:*
a) Residual b) Colluvial c) Aeolian d) Alluvial
- ix. *Number of ATP formed by oxidation of one molecule of glucose are:*
a) 24 b) 65 c) 34 d) 36
- x. *The hormone which promotes apical dominance is:*
a) Auxin b) Gibberellin c) Ethne d) Cytokinins

b) FILL IN THE BLANKS:

(10)

- i) The elongated, horizontal, thick and fleshy underground stem is called _____.
- ii) Genera are composed of one or more similar _____.
- iii) Nucleic acid is polymer of _____.
- iv) The division of the whole cell is called _____.
- v) The cross in which two traits is followed at a time is called _____ cross.
- vi) The number of moles of a solute per _____ of a solution is called molarity.
- vii) The plants which survive two growing seasons are called _____ plants.
- viii) The place where an organism lives is called its _____.
- ix) All non-cultivated plants and non-domesticated animals are included in _____.
- x) The plants which live for one year called _____.

c) DEFINE THE FOLLOWING TERMS.

(10)

- | | | |
|-------------------|------------------------|--------------------|
| i) Tapetum | v) Asymbiotic organism | ix) Photoperiodism |
| ii) Pili | vi) Ecological niche | x) Frustule |
| iii) Sclerenchyma | vii) Humus | |
| iv) Polyploidy | viii) Succession | |



BALUCHISTAN PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION 2021

FOR RECRUITMENT TO THE POSTS OF

ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

GENERAL PAPER IN BRAHUI

Roll Number

113

Total Marks: 100

June 17, 2021

Time Allowed: 03 Hours

NOTE: i. Attempt all questions.

ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

v. Extra attempt of any question or any part of the attempted question will not be considered.

سوال نمبر 1 :- انت براہوئی اسے دراوڑی زبان سے؟ دا ہاروت نما الت خیال، تینا خیالان درشان کہو۔ (۲۰)

سوال نمبر 2 :- جدید براہوئی ادب نا ردوم نا ہاروت نم انت چارے تفصیل فی بیان کہو۔ (۲۰)

سوال نمبر 3 :- سوشل میڈیا نا براہوئی زبان و ادب نازی آالر نا ہاروت نوٹ اس نمشتہ کہو۔ (۲۰)

سوال نمبر 4 :- براہوئی زبان فی ناول نگاری نا ہاروت نوٹ اس نمشتہ کہو اولیکو براہوئی ناولے دیر نمشتہ کریخ؟ (۱۰)

سوال نمبر 5 :- شیفو کتابتایان اسے کتاب سینا ہاروت تفصیلی او نوٹ اس نمشتہ کہو۔ (۱۰)

۱۔ کان جواہر ۲۔ شف گروک ۳۔ استونا بندغ

سوال نمبر 6 :- شیفو براہوئی ادبی شخصیت آتیاں است نا ہاروت نوٹ اس نمشتہ کہو۔ (۱۰)

۱۔ ملا محمد حسین ہدوڑی ۲۔ پیر محمد زبیرانی ۳۔ براہوئی نور محمد پروانہ

سوال نمبر 7 :- شیف تروکا پیراگراف براہوئی فی بدل کہو: (۱۰)

The culture heritage of Balochistan does not limit itself to the mounds and ruins of Mehrgarh, as the pre-historic religious Shrines, Karezes, tombs and villages perceives another chapter of ancient Balochistan. The prominent village system has its origin from the plains of Balochistan which later ultimately transferred throughout the Sindh and Punjab. Unfortunately, the antique objects and sites could not withstand with problem of heavy rains and floods which demolished their entity. In the same manner, most of the Baloch and foreign historians are totally agree on the point that the lack of research and inadequate attention from the International community exerted desperate consequences on the cultural heritage of Balochistan.



BALOCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

CHEMISTRY

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt five questions, at least one question from each section. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

SECTION-I (Physical chemistry)

- Q. No. 1 a) Describe different types of solution? Explain Henry's law and its limitations. (15)
b) State and explain Le-Chatelier's principle with its applications. (15)
- Q. No. 2 a) State first law of thermodynamics? Explain its applications. (15)
b) Define electrochemistry. Explain the types of electrochemical cells. (15)
- Q. No. 3 a) What is the order of reaction? Determine the rate of first order reaction (15)
b) Write a note on artificial radioactivity. (15)

SECTION-II (Inorganic chemistry)

- Q. No. 4 a) What is valence bond theory explain in detail? (15)
b) Explain molecular orbitals for any three mononuclear diatomic molecules. (15)
- Q. No. 5 a) Define Cement. How is it manufactured on industrial scale by wet process? (15)
b) Define electronegativity. Explain its trend in periodic table. (15)
- Q. No. 6 a) What is hybridization? Explain and compare the hybridization of CH_4 and NH_3 . (15)
b) How coordination complexes differ from simple salts? Mention basic properties of coordination complexes. (15)

SECTION-III (Organic chemistry)

- Q. No. 7 a) Write the preparation of primary, secondary and tertiary amines. (15)
b) Discuss resonance effect among the following: (15)
i) Phenol ii) Aniline iii) Chlorobenzene
- Q. No. 8 a) Explain general mechanism involved in Electrophilic substitution reactions. (15)
b) Define stereoisomerism. Give a brief account on conformational isomerism with reference to ethane. (15)
- Q. No. 9 a) Differentiate between primary, secondary and tertiary alcohols. (15)
b) Write down the structure, occurrence and biological importance of monosaccharides. (15)



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

COMMERCE

July 07, 2021

Time Allowed: 03 Hours

Total Marks: 150

- NOTE: i. Attempt any FIVE Questions in all. Attempt TWO Questions from Section I & II while attempt ONE Question from Section III.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
v. Extra attempt of any question or any part of the attempted question will not be considered.

SECTION-I

- Q. No. 1 What do you understand by sole trading concern? Discuss its advantages and disadvantages (30)
- Q. No. 2 Describe the procedure of Formation of Joint Stock Company in Pakistan. (30)
- Q. No. 3 What is the distinction between the dissolution of the firm and the dissolution of partnership? In what circumstances under which a partnership dissolved. (30)

SECTION-II

- Q. No. 4 Who is unpaid seller? Explain the rights of unpaid seller against goods and buyer. (30)
- Q. No. 5 Define the term acceptance. What are the essentials of a valid acceptance? How it is communicated? (30)
- Q. No. 6 Explain the difference among a promissory note, a bill of exchange and a cheque with the help of examples. (30)

SECTION-III

- Q. No. 7 A population consist of four values 2, 4, 6, 10. Take all possible sample of size $n=2$ without replacement. Find the mean of each sample. Form a frequency table of sample Means and calculate Mean and Variance. Also Verify. (30)
- Q. No. 8 For the following data obtain the: (30)
i) A. M ii) Mode iii) Coefficient of Skewness

Weekly Wages	30-39	40-49	50-59	60-69	70-79	80-89	90-99
No. of Workers	6	10	11	12	32	18	8

- Q. No. 9 The runs scored in a cricket match by 11 players are as follows: (30)
7, 16, 121, 51, 101, 81, 1, 16, 9, 11, 16
Find the mean, mode, median of this data.



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2012
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

CRIMINAL LAW

Total Marks: 150

July 08, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt **THREE** questions from Section – A and **ONE** questions from each Section – B & C.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

SECTION-A

- Q. No. 1** What is First Information Report? Discuss its essentials and distinguish it from Complaint. (30)
- Q. No. 2** Define a complaint and discuss its essential. Give a critical analysis of the procedure of making complaints to Magistrates under the provisions of Criminal Procedural Code of Pakistan, 1898. (30)
- Q. No. 3** What are the powers available under the Criminal Procedural Code for Police concerning the prevention of cognizable offences? Explain with illustrations. (30)
- Q. No. 4** Analyze the provisions of Criminal Procedural Code dealing with taking of bail in cases of non-bailable offences. (30)
- Q. No. 5** Discuss the procedure related to issuance of commission for examination of witnesses. Also write the procedure to be adopted by a Magistrate who thinks it necessary to issue a commission to this end. (30)
- Q. No. 6** What is a charge? What is its form and what particulars it contains? Also explain its essentials and legal effect. (30)

SECTION-B

- Q. No. 7** What is criminal conspiracy? State its different forms and provide its punishment. (30)
- Q. No. 8** When shall an act amount to be committed in furtherance of Common Intention and when an act shall amount to be committed in Prosecution of Common Object? Explain in light of the relevant provisions of PPC. (30)

SECTION-C

- Q. No. 9** Hearsay evidence is not admissible. Discuss all the reasons making hearsay evidence inadmissible and also discuss the exceptions to this general rule, if any. (30)
- Q. No. 10** Evaluate the Relevancy of the Opinion of Third Persons during a trial in accordance with the provisions of Qanun-e-Shahadat Order, 1984. (30)



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ECONOMICS

July 09, 2021

Time Allowed: 03 Hours

Total Marks: 150

- NOTE:** i. Attempt any five questions, all questions carry equal marks.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
v. Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** a) Critically analyze Prof. Adam Smith's definition of Economics. (20)
b) Differentiate Equations and Identities. (10)
- Q. No. 2** a) Explain the assumptions of, and exemptions to the Law of Supply? (20)
b) Given $Q_s = P^2 + 3P - 70$ and $Q_d = 410 - P$, Find Equilibrium P and Equilibrium Q? (10)
- Q. No. 3** a) Why is Land important in Economics? What are its characteristics? (20)
b) Discuss salient features of Economic survey of Pakistan for the fiscal year 2020-21? (10)
- Q. No. 4** Describe Productivity of Capital? what factors influence it? (30)
- Q. No. 5** Discuss the Importance of the study of National Income? Which method of computing National Income do you prefer and why? (30)
- Q. No. 6** Explain the concept of Economic Growth, what factors promote growth in an economy? (30)
- Q. No. 7** Central Banks adopt various methods to control credit in an economy? Discuss in detail? (30)
- Q. No. 8** a) Banks play a vital role in today's economy. Explain features and kinds of banks? (15)
b) Indirect Taxes, their advantages and dis-advantages? (15)
- Q. No. 9** What factors cause Dis-equilibrium in Balance of Payment of any country? What remedies do you suggest for this problem? (30)
- Q. No. 10** a) Write a note on Zakat? How does it remove the weaknesses of an economy? (20)
b) Find the Mean and Variance for the Data 6,7,10,12,13,4,8,12 (10)



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
ENGLISH HISTORY FROM 1714 A.D.

Roll Number

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1 What were the merits and demerits of the Whig rule? What led to the downfall of Whig ascendancy? Analyze comprehensively. (30)
- Q. No. 2 Define the foreign policy of Sir Robert Walpole as first Prime Minister of the England. (30)
- Q. No. 3 "Lord Palmerston was more successful as Foreign Minister than as Prime Minister" critically analyze. (30)
- Q. No. 4 What measures were adopted by England to check the influence of the French Revolution of 1789 on England? (30)
- Q. No. 5 What were the consequences of WW-II for Britain's role in the world? Discuss. (30)
- Q. No. 6 What is the Edwardian Era? Elucidate the rise and significance of the Labor Movement in the Edwardian Era. (30)
- Q. No. 7 Why did Napoleon attempt to invade England and what were the causes of his failure? (30)
- Q. No. 8 "Margaret Thatcher is judged to be best post war Prime Minister of England" Discuss. (30)
- Q. No. 9 What are the advantages and disadvantages of Brexit for England? Analyze with arguments. (30)
- Q. No. 10 Write short notes on any two of the following: (15+15)
- Continental System
 - Second World War
 - Treaty of Berlin



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
ENGLISH LITERATURE PERIOD-II (1832-1901)

Roll Number

Total Marks: 150

July 08, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** "From the literary point of view the Victorian age appears at first as a continuation of Romanticism, but with distinct features which grow gradually more defined and more pronounced and left its impact on English literature." Discuss. (30)
- Q. No. 2** What are the distinctive features of Thackeray as a novelist? (30)
- Q. No. 3** How far would you agree that "Carlyle was both satirist and prophet?" (30)
- Q. No. 4** Explain Mathew Arnold's dictum that "poetry is the criticism of life." (30)
- Q. No. 5** Was Tess a pure woman? Explain with illustrations from the novel. (30)
- Q. No. 6** Discuss Robert Browning as a love poet. (30)
- Q. No. 7** How far would you agree that Dickens is excellent at sketches but weak in composition? (30)
- Q. No. 8** How far would you agree that Tennyson's main concern was to glorify British Imperialism? (30)
- Q. No. 9** Discuss various trends in Victorian novel. (30)



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
ENGLISH LITERATURE PERIOD-I (1780-1832)

Roll Number

Total Marks: 150

July 12, 2021

Time Allowed: 03 Hours

- NOTE:
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1 Critically evaluate Keats' development from a sensuous to a deeply contemplative poet. (30)
- Q. No. 2 How far would you agree that Keats' Odes are closely bound up with the theme of transience and permanence? (30)
- Q. No. 3 How does Austen deal with the theme of love and marriage? (30)
- Q. No. 4 How far would you agree that Lamb was a refined humorist and a satirist at the same time? (30)
- Q. No. 5 Trace the autobiographical element in Wordsworth's *The Prelude*. (30)
- Q. No. 6 "If winter comes can spring be far behind." Discuss Shelley as a poet of future in the light of this line. (30)
- Q. No. 7 Give a critical appreciation of Byron's poem Don Juan. (30)
- Q. No. 8 What are the main features of Romanticism? Explain with reference to at least two poets of romantic movement. (30)
- Q. No. 9 "Despite her limited range, Austen's narrative art makes her one of the greatest novelists in English language." Discuss. (30)
- Q. No. 10 Scott's chief Romantic quality was his affection for the past, for the Middle Ages and the days of chivalry." Elaborate. (30)



BALUCHISTAN PUBLIC SERVICE COMMISSION

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FOR RECRUITMENT TO THE POSTS OF

ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

ENGLISH GENERAL & ENGLISH ESSAY

Roll Number

Total Marks: 100

June 22, 2021

Time Allowed: 03 Hours

NOTE: I. Attempt all questions.

ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

Q. No. 1 Write an essay (450-500 words) on any one of the following topics: (30)

- i. Youth a period of strain and stress.
- ii. Democracy in Theory and Practice.
- iii. Act well your part, there all the honour lies.
- iv. Socialism and Capitalism

Q. No. 2 Write a letter to the Editor of "The Pakistan Times" criticizing fashions in dress. (15)

Q. No. 3 Use the following Idiom in your sentences to bring out their meaning. (10)

- i. To eat the humble pie
- ii. Alpha and Omega
- iii. A child's play
- iv. To leave one in the lurch
- v. Over and above

Q. No. 4 Correct the following sentences. (10)

- i. I had my friend to drive me to the airport.
- ii. One of my friends need some help.
- iii. One should not betray his friends.
- iv. I dare not to do it.
- v. These two brothers often quarrel among them selves.

Q. No. 5 Insert appropriate prepositions in the following blanks. (10)

- i. The judge acquitted him _____ the charges.
- ii. Do not be impatient _____ the weak students.
- iii. She takes _____ her mother.
- iv. They have put _____ a lot of money to buy a house.
- v. Can you make _____ what the problems are?

Q. No. 6 Make a précis of the following passage and assign a suitable title: (25)

Now for an example of the prevailing ignorance. When a father advises his son on a choice of occupation, he is generally guided mainly by economic, and partly by ethical considerations. He wants his son to avoid bad wages and bad company. He does not think about bad health though he may be impressed by the risk of violent death. Yet the health of different occupations differs to an extraordinary extent, and the average man knows very little about the risks of even his own job, let alone his neighbour's. Otherwise, no sane man would take up such an occupation as that of metal grinder or barman, with a morality double that of the average man, when he might become a carpenter or a railwayman, and thus enjoy an expectation of life above the average. Our rulers are equally ignorant on these matters. Protective duties and subsidies are granted quite impartially to health occupations like agriculture, and unhealthy ones such as the cutting trade. When this policy is opposed it is opposed on economic grounds and never because by encouraging an unhealthy trade, you are condemning some of your fellow countrymen to death. All parties agree in putting economic considerations before biological; wealth before health. I could give you plenty more examples of this ignorance if time permitted.



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ETHICS & PSYCHOLOGY

Total Marks: 150

July 09, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** What is the significance and application/scope of psychology in our daily life? (30)
- Q. No. 2** What are various fields of psychology and how do these effect individual's life. (30)
- Q. No. 3** What is the process of socialization? Narrate agents of Socialization. (30)
- Q. No. 4** Define Motives. Differentiate between Biogenic and Sociogenic motives. What are the various methods/techniques used to measure motivation? (30)
- Q. No. 5** Narrate various methods used for anger Management. (30)
- Q. No. 6** What is Congruent and Incongruent change of attitude? How do these effect our behavior? (30)
- Q. No. 7** Comment the role and application of Abnormal Psychology/Psychopathology with Clinical Psychology. (30)
- Q. No. 8** What various tests are used in Psychology? How do we apply these tests among diverse population? (30)
- Q. No. 9** What is Intelligence? Which techniques are used to enhance Intelligence? (30)
- Q. No. 10** Differentiate between Personality Disorders and Mood Disorders. Does Anxiety or Depression play any role in minimizing or triggering these Disorders. (30)



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

GEOGRAPHY

July 12, 2021

Time Allowed: 03 Hours

Total Marks: 150

- NOTE:**
- Attempt any five questions. All questions carry equal marks. Illustrate your answer with suitable diagrams.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** What is the geographical and economical importance of Kashmir for Pakistan? (30)
Explain.
- Q. No. 2** Explain the geological theories of mountain building process and discuss various (30)
types of mountains.
- Q. No. 3** Write about the different types of Biodiversity and its role in ecosystem. (30)
- Q. No. 4** How can GIS combat the socioeconomic challenges of modern society? (30)
- Q. No. 5** Describe the role and responsibility of different departments and organizations in (30)
disaster risk management in Pakistan.
- Q. No. 6** How can Pakistan make CPEC a safe project suggest measures elaborately? (30)
- Q. No. 7** The river basins and coastal plains are one of the densely populated areas in the (30)
world, discuss.
- Q. No. 8** Asia is an agrarian economy, discuss. (30)



BALUCHISTAN PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION 2021

FOR RECRUITMENT TO THE POSTS OF

ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

GEOLOGY

Total Marks: 150

July 08, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1**
- Explain earth crust, mantle and core. (10)
 - Describe the mineral in detail. (10)
 - Is coal a mineral? How it is formed? (10)
- Q. No. 2**
- Can you explain the difference between sedimentary and metamorphic rocks (10)
 - What is difference in between plutonic and volcanic rocks (10)
 - What are folds and faults in geology? (10)
- Q. No. 3**
- Briefly explain confined and unconfined aquifers. (10)
 - What is artesian well? (10)
 - What are sills and dykes? (10)
- Q. No. 4** Write a short note on any three (03) of following: (3x10)
- Saundak Copper-Gold Deposits
 - Rekodi Copper-Gold Deposits
 - Coal Deposits in Balochistan
 - Duddar Lead-Zinc Deposits
- Q. No. 5**
- Explain the difference between convergent and divergent plate boundaries (10)
 - How can we differentiate between oceanic and continental tectonic plates? (10)
 - What type of mineralization occur in convergent plate boundaries? (10)
- Q. No. 6**
- Explain methods of Coal exploration. (10)
 - Why accidents are common in coal mines of Balochistan? (10)
 - Can you suggest some measures to mitigate accidents in coal mines? (10)
- Q. No. 7**
- Can you tell which rocks are targeted for Petroleum Exploration? (10)
 - What is role of Seismic survey in petroleum exploration? (10)
 - What geological structures are common for petroleum trap? Discuss at least two. (10)
- Q. No. 8**
- What is the industrial use of limestone? (10)
 - Can you discuss gypsum deposits of Balochistan? (10)
 - Briefly explain porphyry deposit and BIF deposit. (10)
- Q. No. 9**
- Write a short note on ophiolites. (10)
 - What gemstones are common in Balochistan? (10)
 - Is diamond a mineral? Justify your answer. (10)

Q-4: AN 'OLOGY' IS A DISCIPLINE OF STUDY: WHAT DO YOU UNDERSTAND BY THE FOLLOWING ATTEMPT ANY TEN:

(10)

- (i) Toponymy (ii) Phonology (iii) Tautology (iv) Onomology (v) Apology (vi) Etymology
(vii) Bromatology (viii) Acarology (ix) Gynecology (x) Hematology (xi) Limnology (xii) Pathology

Q.5: WRITE COMMONLY USED SHORTENED FORMS OF ANY 10 OF FOLLOWING WORDS OR PHRASES (such as Mr. for Mister or Pres. for President, A.S.A.P. - as soon as possible) (1x10)

- (i) Avenue (ii) Boulevard (iii) Master of Philosophy (iv) take notice - nota bene (v) pound/pounds
(vi) gallon (vii) rolling on the floor laughing (viii) estimated time of arrival (ix) Mistress (x) positive
(xi) Master of Arts in Teaching (xii) zero gravity

Q-6: ATTEMPT FOLLOWING MCQS BY SELECTING ONE CORRECT OPTION FOR EACH: (1x10)

- 1) In 1917, Khairi brothers (Abdul Jabbar Khairi & Abdul Sattar Khairi) suggested a plan for partition of India in the conference of Socialist International held in (a) Delhi (b) Stockholm (c) London (d) Moscow (e) Karachi
- 2) Who was Mohammad Ali Bogra? (a) Prime Minister (b) Foreign Minister (c) President (d) Governor General
- 3) Lucknow Pact 1916 was conceived by (a) Lord Chelmsford (b) Edward Cadogan (c) John Simon (d) None of these
- 4) Who abolished One Unit? (a) Z. A. Bhutto (b) Yahya Khan (c) Zia-ul-Haq (d) Ayub Khan (e) None of them
- 5) When did Pakistan's Capital shift from Karachi to Islamabad? (a) 1960 (b) 1965 (c) 1967 (d) 1950 (e) 1973
- 6) First currency note of Pakistan was issued on (a) 1-1-1949 (b) 1-3-1949 (c) 10-6-1949 (d) 1-7-1949
- 7) Shimla Agreement between Pak & India was signed on: (a) 2-6-1972 (b) 12-6-1972 (c) 2-7-1972 (d) 12-7-1972
- 8) When was the state of Swat included in Pakistan? (a) 1969; (b) 1948; (c) 1971; (d) 1956; (e) 1947
- 9) In which year PIA was established? (a) 1957 (b) 1956 (c) 1955 (d) 1964 (e) 1948
- 10) Pakistan officially joined the UN on (a) 30 Oct 1947 (b) 30 Sept 1947 (c) 30 Aug 1947 (d) 30 March 1948

Q-7: GIVE SHORT ANSWERS OF ANY TWENTY OF THE FOLLOWING:

(1x20)

- 1) Which are the highest types of clouds: stratocumulus or cirrus?
- 2) Which country has longest coast line in the world?
- 3) Where was hottest/highest temperature ever recorded in the world?
- 4) Voltage is always measured between two points --- why?
- 5) Why the elements of group one in periodic table is called alkali metals?
- 6) Which country is the largest producer of coffee?
- 7) Which of the two official languages were declared in 1956 constitution for Pakistan?
- 8) Which type of system of Government was introduced in the 1962 constitution?
- 9) In which Constitution Bicameral Legislature was provided for the first time in Pakistan?
- 10) Who abrogated 1956 constitution?
- 11) Who abrogated 1962 constitution and became CMLA of Pakistan?
- 12) When was Liaquat-Nehru Pact (Delhi Pact) between India and Pakistan signed?
- 13) Which agreement was signed between India and Pakistan after 1971 war?
- 14) Who was the first and only Vice President of Pakistan during 1970-72?
- 15) Who designed Pakistan's national flag?
- 16) After independence, who was made first President of Pakistan Muslim League in 1949?
- 17) Who was the architect and town planner of Islamabad?
- 18) Which US state has the sugar maple as its state tree and is the leading US producer of maple sugar?
- 19) Which country is nicknamed 'the cockpit of Europe' bcoz number of battles through history fought on its soil.
- 20) The river Danube rises in which country?
- 21) Which six countries border the Black Sea?
- 22) What is the name of the milky fluid obtained from trees which is used to produce rubber?



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
GENERAL KNOWLEDGE INCLUDING EVERYDAY SCIENCE

Roll Number

Total Marks: 100

June 21, 2021

Time Allowed: 03 Hours

NOTE: i. Attempt all questions.

ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

iv. No Page/Space be left blank between the answers. All the blank pages of the Answer Book must be crossed.

v. Extra attempt of any question or any part of the attempted question will not be considered.

Q-1 ATTEMPT ANY TWENTY OF THE FOLLOWING BY SELECTING CORRECT OPTION:

(1x20)

- (1) Which of the following is also called greenhouse effect?
(a) ozone layer depletion (b) global warming (c) acid rain (d) smog
- (2) What is structural and functional unit of kidney? (a) neuron (b) nephron (c) bowmans capsule
- (3) How many bones in head of a human body? (a) 29 (b) 15 (c) 30 (d) 13 (e) none of these
- (4) Which element (of the periodic table) forms an ion with charge +3? (a) Be (b) Al (c) C (d) Si (e) P
- (5) Which is not an alkali metal? (a) francium (b) caesium (c) rubidium (d) radium
- (6) The first animal to go into space was? (a) cat (b) mouse (c) dog (d) panda (e) rat
- (7) The organ which is missing in camel is? (a) gall bladder (b) spleen (c) kidney (d) none of these
- (8) A group of snakes is called a? (a) pride (b) flock (c) den (d) pack (e) none of these
- (9) Law of electromagnetic induction was proposed by? (a) Maxwell (b) Einstein (c) farady (d) newton
- (10) Frequency of alternating current in Pakistan is? (a) 30Hz (b) 50 Hz (c) 100 Hz (d) 40 Hz (e) 220Hz
- (11) Which common animal cannot taste sweets? (a) dog (b) cat (c) horse (d) buffalo (e) none of these
- (12) Which fish can taste with its whole body? (a) cat fish (b) gold fish (c) star fish (d) jelly fish
- (13) Which bird lays more than 100 eggs in one nest? (a) ostrich (b) eagle (c) sparrow (d) kiwi
- (14) Which common animal is color blind? (a) dog (b) donkey (c) horse (d) cat (e) none of these
- (15) Which country has greatest number of active volcanoes? (a) Italy (b) Philippine (c) Indonesia
- (16) Strongest acid among the following is? (a) HCL (b) HF (c) HBR (d) HI
- (17) Formula for sulphuric acid is? (a) HNO3 (b) HCL (c) H2SO4 (d) H2CO3
- (18) Penguin can survive in temperature? (a) -40 (b) -100 (c) -20 (d) -55 (e) -10
- (19) Which ion is essential for muscle contraction? (a) sodium (b) potassium (c) calcium (d) chlorine
- (20) At time ligaments are over stretched or torn is called? (a) sprain (b) dislocation (c) fracture (d) tension
- (21) Which group of organism is able to fix atmospheric nitrogen into useable form?
(a) plants (b) fungi (c) insects (d) bacteria
- (22) Which animal that hunts at night have slit pupil in the day time and circular pupil at night?
(a) owl (b) bat (c) cat (d) fox

Q-2: GIVE SHORT ANSWERS OF ANY TEN OF THE FOLLOWING:

(2x10)

- (i) State two uses of rock salt?
- (ii) How would you differentiate between metallic and non-metallic minerals?
- (iii) Identify differences between cash crops and subsistence crops?
- (iv) What do you know about Balochistan plateau?
- (v) Explain the features of topography which are common to all high land areas?
- (vi) Besides Sui, where does exist the major natural gas reserves in Pakistan?
- (vii) What is potohar plateau?
- (viii) State two features of the human heart which enables it to function efficiently?
- (ix) Write the names of five major dams in Pakistan?
- (x) Explain why crops yields may be low when subsistence farming methods are used?
- (xi) Explain why Peshawar receives the higher rainfall rate than Quetta?
- (xii) Why do many rivers in Pakistan flood in the month of July?



BALUCHISTAN PUBLIC SERVICE COMMISSION
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FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

HUMAN ANATOMY

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE: i. Question No. 1 is compulsory. Attempt any four from rest of the questions. All questions carry equal marks.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
v. Extra attempt of any question or any part of the attempted question will not be considered.

Q. No. 1 Answer the following:

(15x2)

- What is the Structure of basement membrane?
- Enumerate different parts of the young bone.
- What are boundaries of quadrangular space in shoulder region?
- Enumerate components of Posterior mediastinum.
- Write short note on ventricular system of the brain.
- Enumerate extra ocular muscles of eye.
- Name two structures lined by non-keratinising stratified squamous epithelium.
- List the structures that make the brain stem.
- What is the arterial supply of the thyroid gland?
- List the structures of the femoral sheath from medial to lateral.
- What is the main difference between Mitosis and Meiosis?
- Name the structures at the porta hepatis.
- Name three gross differences of the large and small intestines.
- Give an example of a strap muscle, its origin and insertion.
- Give an example of a ball and socket joint, what is its nerve supply.

- Q. No. 2 Explain the microscopic anatomy of pituitary gland with representative labeled diagram. (30)
- Q. No. 3 Enumerate derivatives of 3rd pharyngeal arch. Which components of 3rd arch are derived from neural crest cells, explain? (30)
- Q. No. 4 Enumerate the descending tracts of spinal cord. Give an account of corticospinal tract. (30)
- Q. No. 5 Give brief account of arterial supply of face. Write its clinical anatomy. (30)
- Q. No. 6 Describe the anatomical relations of the liver surfaces. (30)
- Q. No. 7 Describe the arterial supply and venous drainage of the heart. (30)
- Q. No. 8 Make a table with a list of the muscles involved in movement around the shoulder joint, their action and nerve supply. (30)
- Q. No. 9 What are varicose veins? Explain the tributaries of the Great saphenous vein, its origin and drainage. (30)
- Q. No. 10 What is a joint? Classify joints of the human body. Explain in detail a hyaline joint. (30)



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

INDIAN HISTORY PERIOD-I

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt **FIVE** questions in all, by selecting at least **TWO** questions from each part. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

PART-I

- Q. No. 1** What do you know about the immigration of Aryans into sub-continent and their political and religious life? They worshiped a number of terrestrial Gods, like Indra (Rain), Vayu, Varuna, Surya. Soma and Sura were their spirituous drink. Give English meaning and explain in detail. (30)
- Q. No. 2** Chandragupta Maurya was aided and abetted by a remarkable minister Chanakya or Kautilya. King and minister build up an immense army and extended the rule of Magada for beyond its traditional boundaries. Critically explain. (30)
- Q. No. 3** What were the causes of Alexander's invasion of India and what were its results? Discuss in detail. (30)
- Q. No. 4** The most important ruler of the Kushana Dynasty was Kanishka. He conquered upper India but also extended the frontiers of his empire beyond the Pamir, Kashgar, Yarkand and Khotan. He is described as the King of Gandhara with his capital at Purushpura (modern Peshawar). He was a devout Buddhist. Give a comprehensive answer. (30)
- Q. No. 5** It is said that the Buddhism was a sort of reaction against Brahmanism, explain. (30)

PART-II

- Q. No. 6** What political, social and cultural changes were brought by the Arabas as a result of their conquest of Sind in 712 A. D? (30)
- Q. No. 7** Elucidate the impact of the battels of Tarain in the history of Indian sub-continent. (30)
- Q. No. 8** Sultan Shams-ud-din Iltutmish has been credited with the title of "real founder of Slave Dynasty." Justify. (30)
- Q. No. 9** "Firoze Shah Tughlaq converted an autocratic state into a welfare state." Do you agree? (30)
- Q. No. 10** Describe in detail the frontier policy of Turkish Sultans of Dehli. (30)



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FOR RECRUITMENT TO THE POSTS OF
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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
INTERNATIONAL RELATIONS

Roll Number

Total Marks: 150

July 2, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** Evaluate the Mandate System of League of Nations. (30)
- Q. No. 2** Globalization is a buzz word of present day International, economic and social order. Discuss how it is quickly transforming national cultures and policies. (30)
- Q. No. 3** Whoever controls Indian Ocean controls Asia, whoever controls Asia dominates the rest of the world." Critically highlight the geo-strategic importance of Indian Ocean in the light of Admiral Mahan's above statement. (30)
- Q. No. 4** How did the Palestine-Israel conflict developed over the years? Also highlight US and Britain's policies towards the issue. (30)
- Q. No. 5** SAARC is facing existential crisis. What measures do you suggest to restructure SAARC as a strong and effective regional organization? (30)
- Q. No. 6** Discuss the development of Nuclear Non-Proliferation Treaty (NPT). Define its main features and explain its status in the present world. (30)
- Q. No. 7** Critically highlight US foreign policy during cold war era. (30)
- Q. No. 8** CPEC is a game changer not only for Pakistan but for the entire region. Discuss. (30)
- Q. No. 9** Write short note on any three of the following: (30)
- OIC
 - Cuban Missile Crisis
 - Freedom Flotilla
 - Non-State Actors
 - Fascism



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FOR RECRUITMENT TO THE POSTS OF

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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ISLAMIA

Total Marks: 150

June 24, 2021 at

Time Allowed: 03 Hours

- NOTE:**
- Attempt FIVE Questions in all. Question No. 1 is compulsory.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

Q. No. 1 (A) Answer the following questions: (10)

- In the beginning, to which Arab tribe Prophet Muhammad (SAW) worked as a shepherd?
- In the "Sacrilegious wars", when Prophet Muhammad (SAW) was 20 years of age, by whom Quraish and their allies were led by?
- Salat-ul-Khusuf is offered at the time of?
- In which mountain the cave of Hira is located?
- Who was given the title of 'Sword of Allah' by the Prophet Muhammad (SAW)?
- While performing Hajj, traveling seven times between Mount Safa and Mount Marwah, is called?
- Muslims perform tawaaf around the Holy Ka'bah on the earth. Where do the Angels perform tawaaf around?
- What was the name of Prophet Ismael's (A.S) mother?
- Who added second Azan (or Adhan) for Friday prayers?
- Which Prophet got the title of "Najeeb Ullah"?

(B) Attempt the following: (10)

- Write down the names of any two sources of Islamic Sharia.
- What is the number of verses in Surah Baqrah?
- What is the name of the first mosque built by the Prophet Muhammad (SAW)?
- In which year the laws about inheritance were revealed?
- Who proposed the compilation of the Holy Quran?

(C) Define the following terms (Be Specific): (10)

- I. Hadith حدیث II. Fiqh فقہ III. Qias قیاس IV. Diyat دیات V. Qisas قصاص

Q. No. 2 What are the main sources of Shariah in Islam? Explain in detail. (30)

Q. No. 3 Write a detailed note on Constitution of Madina (Meesaq ul Madina) and its importance (15+15) in Islamic History.

Q. No. 4 Elaborate the main causes and effects of the martyrdom of Hazrat Usman (RA)? (15+15)

Q. No. 5 What is the Islamic concept of Zakat, Ushar and Ushoor? How Hazrat Umar (RA) utilized (15+15) them to provide social security during his caliphate?

Q. No. 6 Write a short note on any two of the following. (15+15)

- (i) صلح حدیبیہ (ii) ہجرت حبشہ (iii) فتح مکہ

Q. No. 7 Give a detailed account of Mu'tazila معتزلة and explain their philosophy. (15+15)

Q. No. 8 Describe in detail any one of the following. (15+15)

- Islamic law of Inheritance اسلام کا قانون وراثت
- Sihah e sittah صحاح ستہ

Q. No. 9 Write a detailed essay on legal penalties عقوبات in Islamic Shariah. Enrich your answer (15+15) by providing verses from the Holy Quran on the topic.



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FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ISLAMIC HISTORY PERIOD-I

Total Marks: 150

July 01, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** Prophet Muhammad ﷺ tried to transform the human society of his age, into a Rational Human Society based on Reason, discuss with examples. (30)
- Q. No. 2** Evaluate Prophet Muhammad ﷺ and his early followers' travelling experience toward Abyssinia. (30)
- Q. No. 3** "Macca's conquest was completion of Islamic Revolution", give a philosophical analysis. (30)
- Q. No. 4** Do you think the Caliph Umar extended the mission of Prophet Muhammad ﷺ through his expansionist policies? Argue logically. (30)
- Q. No. 5** Give a review of allegations against Caliph Uthman. (30)
- Q. No. 6** Battle of Siffin (Jul 26, 657 AD – Jul 28, 657 AD) proved to be a turning point in the Muslim Political Thought, answer with arguments. (30)
- Q. No. 7** Discuss Ameer Muawalya's concern shown for taking early bait in favour of Yazid bin Muawiyah. (30)
- Q. No. 8** Compare the political approaches of Hussain bin Ali and Abdullah bin Zubair in response to Ameer Muawiyah's campaign of a controversial bait for Yazid. (30)
- Q. No. 9** Write an essay on, "How Abdul Malik bin Marwan strengthen Umayyad Dynasty with Damascus its capital". (30)
- Q. No. 10** Write a decline and fall story of Umayyad Dynasty. (30)



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ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
INDIAN HISTORY PERIOD-II

Roll Number

Total Marks: 150

July 5, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt five questions in all, at least two questions from each part. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

PART-I

- Q. No. 1 Define the services and achievements of Hazrat Mujadid Alf Sani against Akbar's religious policy. (30)
- Q. No. 2 Zaheeruddin Babar failed in Central Asia but succeeded in India; Why? Give a detailed analysis. (30)
- Q. No. 3 Discuss the causes of Humayun's defeat against Sher Shah Suri? (30)
- Q. No. 4 Comprehensively discuss the religious policy of Aurangzeb Alamgir. (30)
- Q. No. 5 Write down the main causes of the downfall of Mughal Empire. (30)

PART-II

- Q. No. 6 Analyze the Impact of the British East India Company's rule (1757-1857) upon the Muslims of Indo-Pak Subcontinent. (30)
- Q. No. 7 "The annexation of Sindh was one of the shameless acts perpetuated by the British." Discuss. (30)
- Q. No. 8 Examine the reforms introduced by Lord William Bentinck. (30)
- Q. No. 9 Discuss Haider Ali's relations with Britishers and enumerate causes of the British success. (30)
- Q. No. 10 Why Bahadur Shah Zafar led the war of Independence (1857)? Narrate the aftermath of the abortive War. (30)



BALUCHISTAN PUBLIC SERVICE COMMISSION

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FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ISLAMIC & PAKISTAN STUDIES

Total Marks: 100

June 23, 2021

Time Allowed: 03 Hours

NOTE: i. Q. No. 1 is compulsory. Attempt 2 questions each from Part-I & II.
ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

Q-1 (A) Choose the correct Option:

(10)

- First Hajj was offered in ____ A.H:
a) 9 b) 10 c) 11 d) 12
- The battle of Badr was fought in ____ A.H:
a) 1 b) 2 c) 3 d) 4
- Namaz-e-Khasoof is offered for:
a) Lunar eclipse b) Solar eclipse c) Sun eclipse d) None of These
- Holy Prophet Hazrat Muhammad (SAW) offered Jumma Prayer in ____ A.H:
a) 1 b) 2 c) 3 d) 4
- Name the first person who declared his conversion to Islam emphatically:
a) Hazrat Hamza (RA) b) Hazrat Umar (RA) c) Hazrat Abu Bakr (RA) d) Hazrat Usman (RA)
- After the war of independence the British Government assumed control of India through:
a) Indian council Act, 1862 b) Queens order, 1857
c) Queens proclamation of 1858 d) East India Company order 1858
- The 3rd June 1947 plan was announced by:
a) M.A. Jinnah b) Jawahar Lal Nehru c) Lord Mountbatten d) Lord Wavell
- Quaid e Azam was sworn in as the first Governor-General of Pakistan on:
a) 11th Aug 1947 b) 15th Aug 1947 c) 14th Aug 1947 d) 12th Aug 1947
- In which constitution Bicameral Legislature was provided for the first time?
a) 1949 b) 1956 c) 1962 d) 1973
- When did Fatima Jinnah join the All India Muslim league?
a) 1939 b) 1927 c) 1947 d) 1949

(B) Answer the following questions:

(10)

- Who are called Ummahat-ul-Momineen?
- What is called the first written constitution of the world?
- Who accepted Islam first among children?
- Jinnah's 14 points were the Muslim's reply to whom?
- Name the last governor-general of Pakistan.

PART-I (Islamic Studies)

- Q. No. 2 What is Meesaq-e-Madina (Madina Charter)? Describe its significance. (20)
- Q. No. 3 Describe the measures taken by the Holy Prophet (SAW) for peace and harmony. (20)
- Q. No. 4 The conquest of Makkah in 8th A.H. is the turning point in Islamic History. Elaborate. (20)
- Q. No. 5 Describe the main sources of Shariat-e-Islam in detail. (20)

PART-II (Pakistan Studies)

- Q. No. 6 Describe the services of Sir Syed Ahmed Khan in the educational field. (20)
- Q. No. 7 Write down the important events in the History of Pakistan movement from 1940 to 1947. (20)
- Q. No. 8 What were the main problems faced by the Pakistani people right after independence? (20)



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FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
JOURNALISM/MASS COMMUNICATION

Roll Number

Total Marks: 150

June 25, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any Five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** Write down in length about Militant Journalism in the sub-continent and focus on the contribution of Maulana Muhammad Ali Johar and Hamdard Newspaper in providing a platform for Muslims. (30)
- Q. No. 2** Write the different definitions of Mass Communication and what are the 7Cs in communication? Describe. (30)
- Q. No. 3** How will you compare Journalism in Balochistan to the other parts of the country keeping in view the elements of access, freedom of expression and sensitivity? (30)
- Q. No. 4** Write down in detail the Ordinance for Professional Journalists in Pakistan. (30)
- Q. No. 5** Classify Crisis and Conflict Reporting. Discuss in length how crisis and conflict reporting is different from normal beat reporting. (30)
- Q. No. 6** Write Short notes on any three of the following. (30)
- Press Advice
 - Dawn Newspaper
 - Contempt of Court
 - Advertising and Publicity
 - A critical note on Pakistani Drama
- Q. No. 7** Describe the Development Support Communication. Also, discuss its characteristics in detail. (30)
- Q. No. 8** Elucidate the different tools of PR. Explain the PR Setup of Official and Non-Official organizations. (30)



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FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
PUBLIC ADMINISTRATION

Roll Number

Total Marks: 150

July 08, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any six questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** Explain the system of Project Planning in the Government of Pakistan and how does it extend to the provinces and local governments? (25)
- Q. No. 2** Comparatively evaluate Taylor's Scientific Management and Weber's Ideal Bureaucracy and discuss their relevance to contemporary public organizations in Pakistan. (25)
- Q. No. 3** Human Resource Management (HRM) is a contemporary approach to managing people in business organizations. What are the salient features of HRM model? Do you think this model is being applied to reform public personnel system in Pakistan? (25)
- Q. No. 4** In the globalized public administration, hierarchy creates more ethical problems than it solves. Discuss. (25)
- Q. No. 5** Structural theory is, by and large, grounded in classical principles of efficiency, effectiveness and productivity. Explain. (25)
- Q. No. 6** "Public interest is still inadequate as a ground concept to evaluate public policy." Discuss. (25)
- Q. No. 7** Elaborate the features of the grievance redressal mechanism of the civil services in Pakistan. Does this mechanism satisfy the objectives of its creation? (25)
- Q. No. 8** Explain how the National Disaster Management Plan provides a framework and direction to the government agencies for all phases of disaster management cycle. (25)
- Q. No. 9** If there is ever to be a science of Public Administration, it must derive from an understating of man's behavior. Explain. (25)
- Q. No. 10** With the entry of the concept of 'good governance' the discipline of Public Administration has shed its static character. Explain (25)



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
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ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

PERSIAN LITERATURE PERIOD-II

Total Marks: 150

July 08, 2021

Time Allowed: 03 Hours

- NOTE: vi. Attempt any five questions. All questions carry equal marks. The Questions may be answered in ENGLISH or PERSIAN. Give examples where necessary.
- vii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
- viii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
- ix. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- x. Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1 Discuss the Important features Sabke-e Iraqi (سبک عراقی) in Persian Poetry? (30)
- Q. No. 2 Write a note on Persian Literature in Aurangzaib Alamgeer (اورنگزیب عالمگیر) Era? (30)
- Q. No. 3 Discuss the characteristics of Mohammad Taqi Bahar (محمد تقی بهار). (30)
- Q. No. 4 Write the Salient features of Ghani Kashmiri (غنی کشمیری) Poetry. (30)
- Q. No. 5 Write a note on Kasida Sarhi (قصیدہ سرایی) in Shah Jahan Era. (30)
- Q. No. 6 Discuss the main features of Abdul Mirza Ghalib (میرزا غالب) Poetry. (30)
- Q. No. 7 Elucidate the poetry of Muhammad Hossein Shahriar (محمد حسین شہریار). (30)
- Q. No. 8 Write comprehensive note on prose of Sadaq Hedayat (صادق ہدایت). (30)
- Q. No. 9 Write short notes on any three of the following: (3x10)
1. Aafrin Lahori (آفرین لاہوری)
 2. Urfi Sherazi (عرفی شیرازی)
 3. Saib Tabrizi (صائب تبریزی)
 4. Javed Namah (جاوید نامہ)
 5. Hatef Esfehani (ہاتف اصفہانی)



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Roll Number

PERSIAN

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE:** i. تمام سوالوں کو فارسی، اردو یا انگریزی زبان میں حل کریں۔
 ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
 iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 v. Extra attempt of any question or any part of the attempted question will not be considered.

- (25) سوال نمبر 1 :- ایک شخصیت کی زندگی اور خدمات پر بحث کریں۔
 1 - حضرت امیر خسرو
 2 - بیدل دہلوی
 3 - سعدی شیرازی
- (25) سوال نمبر 2 :- "ہک غلامی" یا "ہک مہدی" پر مضمون لکھیں۔
- (20) سوال نمبر 3 :- مندرجہ ذیل میں سے دو کی تعریف مثالوں کے ساتھ کریں۔
 1 - تشبیہ
 2 - فعل مضارع
 3 - غزل
- (20) سوال نمبر 4 :- صرف دو پر نوٹ لکھیں۔
 1 :- تاریخ بیہوشی
 2 :- پیام مشرق
 3 :- کلیلہ و دمنہ
- (20) سوال نمبر 5 :- مندرجہ ذیل میں سے ایک غزل کی تخریج کریں۔
 الف- موج شراب و موج آب بقای کی است
 خواہی بہ کعبہ روکن و خواہی بہ سومنات
 این ما و من نتیجہ بیگانگی بود
 در چشم پاک بین نبود رسم امتیاز
 بی ساقی و شراب، غم از دل نمی رود
 از حرف خود بہ تیغ نگریدیم چون قلم
 صائب شکایت از ستم یار چون کند؟
 ہر چند پردہ ہاست مخالف، نوا یکی است
 از اختلاف راہ چہ غم، رہنما یکی است
 صد دل بہ یکدگر جو شود آشنا، یکی است
 در آفتاب، سایہ شاہ و گدا یکی است
 این درد را طبیب یکی و دوا یکی است
 ہر چند دل دو نیم بود، حرف ما یکی است
 ہر جا کہ عشق ہست، جفا و وفا یکی است
- ب- خبرم رسید امشب کہ نگار خواہی آمد
 بہ لبم رسیدہ جانم، تو بیا کہ زندہ مانم
 غم و قصہ فراق تہکشد چنان کہ دالم
 ہمہ آہوان صحرا سر خود گرفتہ ہر کف
 کشی کہ عشق دارد نگار دت بدیل سان
 بہ یک آمدن رسیدی، دل و دین و جان خسرو
 سر من فدای راہی کہ سوار خواہی آمد
 پس از آن کہ من نمانم، بہ چہ کار خواہی آمد
 اگر م جو بہخت روزی بہ کنار خواہی آمد
 بہ امید آن کہ روزی بہ شکار خواہی آمد
 بہ جنازہ گر نیایی، بہ مزار خواہی آمد
 چہ شود اگر بدین سان دو سہ بار خواہی آمد



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COMPETITIVE EXAMINATION 2021

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ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

LOGIC & ELEMENTS OF PHILOSOPHY

Roll Number

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any **SIX** questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1** Briefly trace the development of Logic from Aristotle to Modern Times. What salient differences do you find? (25)
- Q. No. 2** State and examine Mill's method of "EXPERIMENTAL INQUIRY". Are these methods sufficient to discover casual relations? (25)
- Q. No. 3** What is the nature of "Inductive Inference"? how will you justify induction as a form of inference? (25)
- Q. No. 4** Discuss in detail the Square of Propositions. (25)
- Q. No. 5** It is said that Muslim Philosophy is "Productive Assimilation" of Greek thought. Whether or not to what extent do you agree with this statement. Discuss in the light of Muslim Medieval Philosophy. (25)
- Q. No. 6** What is meant by "Categorical Imperative"? Do you think that Kant's Ethical Theory is free from difficulties? (25)
- Q. No. 7** Discuss Bergson's view of Reality. How far do you agree? (25)
- Q. No. 8** State and examine Kierkegaard's three stages of Human Life. How can you compare them with Iqbal's three stages of Religious Life of man? (25)
- Q. No. 9** What does Hume mean by saying "Impression Precede Ideas"? What is the significance of this criterion in his philosophy? (25)
- Q. No. 10** Discuss the nature of substance with special reference to Locke, Berkeley and Hume. (25)



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Roll Number

PHYSICS

July 07, 2021

Time Allowed: 03 Hours

Total Marks: 150

- NOTE:**
- Attempt any five questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1**
- Explain curl and divergence of vector fields with their physical significance? Is divergence theorem applicable for each surface integral? (10)
 - Vectors **A** and **B** have magnitudes of 3 units and 4 units, respectively. What is the angle between the directions of **A** and **B**, if **A** \cdot **B** equals (a) zero (b) 12 units and (c) -12 units? (10)
 - Find the angle between
(i) $\mathbf{A} = 3\mathbf{i} + 2\mathbf{j} - 6\mathbf{k}$ and $\mathbf{B} = 4\mathbf{i} - 3\mathbf{j} + \mathbf{k}$ (10)
(ii) $\mathbf{C} = 4\mathbf{i} - 2\mathbf{j} + 4\mathbf{k}$ and $\mathbf{D} = 3\mathbf{i} - 6\mathbf{j} - 2\mathbf{k}$
- Q. No. 2**
- Describe Maxwell's equations in differential and integral form. Explain significance of each equation. (10)
 - Describe power in A.C circuit. What is maximum power transfer theorem in AC? (10)
 - RLC series circuit connected to an AC voltage source with an V_{rms} of 50 volt. At half the resonant frequency, the phase angle is 28 degree, the inductive reactance is 82 Ohm. What is the average dissipated power at twice the resonant frequency in Watt? (10)
- Q. No. 3**
- Distinguish between linear and angular momentum. Explain the law of conservation angular momentum with suitable example. (10)
 - What is moment of Inertia? State and prove parallel axis theorem. (10)
 - What is vector triple product? Show that $\vec{A} \times (\vec{B} \times \vec{C}) = (\vec{A} \cdot \vec{C}) \vec{B} - (\vec{A} \cdot \vec{B}) \vec{C}$ (10)
- Q. No. 4**
- What are adiabatic and isothermal changes? Explain with volume pressure diagram. Why is the curve of an isothermal process above that of an adiabatic process during compression? (10)
 - How do you find the internal energy of a state equation? How to solve constants out of the internal energy equation? (10)
 - Calculate the volume of 1 mole of an ideal gas at STP. (10)
- Q. No. 5**
- What is Compton Effect? Derive an expression for Compton shift. How it depends upon the scattering angle? What do you mean by Red Shift? (10)
 - How can photons have no mass and yet still have energy given that $E=mc^2$? Also Derive the relation between relativistic energy with momentum. (10)
 - Why is speed of light independent of frame of reference? Show that speed of light is independent of the relative motion between frames of reference. (10)
- Q. No. 6**
- Derive an expression for capacitance of cylindrical and spherical capacitor. (10)
 - Describe phenomenon of diffraction of X-rays through crystals also explain their applications. (10)
 - In a double-slit experiment, the distance between slits is 5.0 mm and the slits are 1.0 m from the screen. Two interference patterns can be seen on the screen: one due to light of wavelength 480 nm, and the other due to light of wavelength 600 nm. What is the separation on the screen between the third-order ($m = 3$) bright fringes of the two interference patterns? (10)
- Q. No. 7**
- Define Entropy. State second law of thermodynamics in terms of entropy. (10)
 - What is a steady flow? Describe What is the Poiseuille method? How steady flow of fluid through a capillary tube was studied by Poiseuille. (10)
 - How do you calculate the mass of the Sun using Kepler's third law? Using Kepler's law calculate mass of the sun if the earth period is 3.15×10^7 s and its orbital radius is 1.5×10^{11} m. (10)



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Roll Number

PHYSIOLOGY

Total Marks: 150

July 12, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any six questions. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1**
- Explain the main functions of basal ganglia? (10)
 - Explain the corticospinal pathway? (10)
 - List all the ascending tracts of the spinal cord? (05)
- Q. No. 2**
- What is innate and acquired immunity? Explain with examples. (10)
 - Define anemia? How anemia is classified on basis of etiology? (10)
 - Write a short note on body fluid compartments? (05)
- Q. No. 3**
- Enumerate the layers of the respiratory membrane? (10)
 - Write are the factors that affect the rate of diffusion of a gas across the respiratory membrane? (10)
 - Define menarche and menopause. (05)
- Q. No. 4**
- Define and explain law of gut? (10)
 - What are the functional types of movements of gastrointestinal tract? (10)
 - What is primary active transport? (05)
- Q. No. 5**
- Name the hormones secreted by the anterior and posterior pituitary gland. (10)
 - Explain the mechanism of action of thyroid hormone? (10)
 - What is the difference between a neuro-hormone and endocrine hormone? (05)
- Q. No. 6**
- What are the different types of refractive errors and which type of lenses are required to correct these errors? (10)
 - Differentiate between conductive and sensori-neural deafness. (10)
 - Draw and label normal waveform of ECG with intervals (05)
- Q. No. 7**
- Write a short note on generation of impulses in the SA node of the heart. (10)
 - Define blood pressure? Discuss Renin Angiotensin Aldosterone system. (10)
 - What is the Frank-Starling Law? (05)
- Q. No. 8**
- What is action potential? Describe the stages of action potential? (10)
 - What are the differences between Apoptosis and Necrosis? (10)
 - What is absolute and relative refractory period? (05)
- Q. No. 9**
- What is glomerular filtration rate? Enumerate the factors that increase or decrease the glomerular filtration rate? (10)
 - Explain the normal micturition reflex? (10)
 - What is cystometrogram? (05)
- Q. No. 10**
- Define and explain Cardiac output? (10)
 - What is baroreceptor reflex? (10)
 - What is vascular compliance? (05)



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Roll Number

GENERAL PAPER IN PUSHTO

Total Marks: 100

June 17, 2021

Time Allowed: 03 Hours

NOTE: i. Attempt all questions.

ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

iv. No Page/Space be left blank between the answers. All blank pages of the Answer Book must be crossed.

v. Extra attempt of any question or any part of the attempted question will not be considered.

(20) سوال نمبر 1 - په لاندیني عناوینو کې پر یوه عنوان باندې تفصیلی لیک وکړئ .

- الف . آیا کرونا د صحت او نفسیاتو سره په نږدې وال کلتور او اقدارو هم اثرات اچولي دي ؟ بحث پرې وکړئ
ب . پښتو ژبه د پښتني ژوند بشپړه هینداره ده. رڼا پرې واچوئ ؟

(15) سوال نمبر 2 - د یوه لیکوال په فن او شخصیت مضمون ولیکئ .

- الف . عبدالعلي اخوندزاده ب . رحمن بابا ج . زیتون بانو

(20) سوال نمبر 3 - په لاندیني اشعارو کښې د پنځو تشریح وکړئ .

- عقل سل د مصلحت بندونه جوړ کړي چې د عشق سيلاب پرې راشي واره نور کي
جهان يو کتوري دی زه په مثل د موري يم حيرن پکښي جلوزم کس پکښي پکښي وهمه
ته ازغي کړه زما او گل په منځ کي زه په لاره قدم نه پدمه سينه پدم
که دي جام لکه حباب ونه نيو سيند ته افرين دي په همت شيدا خټکه
سکته ژوند دي زمور د غريبانو هم ژي دي او لار کاته د لمر کوو
مور غراغونه د تيارو سره په جنگ اخته يو څوک چې نمرونه وو هغو سحر ته کله وکړه
له طفلي نه عشق وشو، غم طلب وبلاکش يم دلبر د مخ په شمع ديوقه يم لاروسه
عاشقي دي راله هسي دم راکړي دم مي شته دي که په دم کي مي دم نشته

(10) سوال نمبر 4 - مثل څه ته وايي ؟ لس متلونه ولیکئ

(10) سوال نمبر 5 - ده لاندیني واحد ټکو جمع او د جمع ټکو واحد ولیکئ او جملې په جوړی کړئ

- نيکي، رڼا، علوم، ژبه، غوا، شپون، ليمه، مور، گريوان، مړه .

(10) سوال نمبر 6 - په يوه ادبي صنف باندې سره د مثالونو تبصره ولیکئ

- الف : غزل ب : افسانه

(15) سوال نمبر 7 - دالاندې عبارت په پښتو وژباړئ .

The teachings of Rahman Baba can purify man's heart from the evils & can bring him closer to God and when man gets closer to God, he gets courage to fight against the evils both inside him and outside him i.e. in the society. There will be justice everywhere, and this will bring peace in the surroundings and the society will become a truly human society. Baba addresses to men and wants them to be true human beings, something that is becoming a rarity in modern days. Baba's teachings are about all the aspects of human life and are based on "To enjoin Good and forbid Evil and eventually work for the establishment of a just socio - moral order in the world."



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

SOCIAL WORK

June 29, 2021

Time Allowed: 03 Hours

Total Marks: 150

NOTE: vi. Attempt five Questions in all. Question No. 1 is compulsory. All questions carry equal marks. Be specific and to the point without irrelevance.
vii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
viii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
ix. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
x. Extra attempt of any question or any part of the attempted question will not be considered.

(2x15)

Q- 1 CHOOSE THE CORRECT OPTION:

- i) Marry Richmond divided the process of Social Case Work in
a) Three Phases b) Five Phases c) Six Phases d) Seven Phases
- ii) The Book "Social Diagnosis" is written by
a) Walter A. Friedlander b) Lake Bagkel c) Gordon Hamilton d) Marry Richmond
- iii) For the first time in a free Hospital Landon, Medical Social Work was appointed by.
a) Queen Victoria b) William Beveridge c) Winston Churchill d) Charles Lark
- iv) Elements of Social Case Work were introduced by:
a) W.A. Friedlander b) H.H. Perlman c) Garden Hamilton d) Mary Richmond
- v) Techniques of Social Case Work and Mental Health Services are combined in:
a) Medical Social Work b) Psychiatric Social Work c) School Social Work d) None of these
- vi) The term Social Dysfunction was coined by:
a) Robert Merton b) H.H. Pearlman c) Herbert Bisno d) Carl Marx
- vii) Psychoanalytic theory was introduced by:
a) Mead b) Erikson c) Cooley d) Freud
- viii) Pakistan Balt-ul-Maal was established in:
a) 1994 b) 1991 c) 1992 d) 1993
- ix) The first Urban community Development (UCD) project was established in Uiyari, Karachi in:
a) 1951 b) 1964 c) 1954 d) 1961
- x) The headquarter of the Asian Development Bank is in:
a) Jakarta b) Tokyo c) Kuala Lumpur d) Manila
- xi) Social Case Work Process is Divided into:
a) three Phases b) five Phases c) seven Phases d) None of these
- xii) Local Government Ordinance was introduced in Pakistan in:
a) 2005 b) 2007 c) 2001 d) 2002
- xiii) Social Work is the art of bringing various resources to bear on individuals, group and community, it was said by:
a) Friedlander b) H.H. Stroup c) Herbert Bisno d) H.H. Pearlman
- xiv) According to _____ Ideas are the cultural creations of society's most powerful members.
a) Foucault b) Carl Marx c) Malinoowski d) Freud
- xv) Xeno-phobia is a fear of:
a) Friends b) Public c) Stranger d) Height

Q. No. 2 Social work philosophy is classified into three major disciplines. Casework, group work and community development. Discuss their interrelationship based on their principles which are common in three basic methods. (30)

Q. No. 3 Give a detailed justification for the initiation of School Social Work Service in a transitional Society like that of Pakistan. Also, discuss the role and functions of a professional Social Worker working in a school setting. (30)

P.T.O

- Q. No. 4 "Welfare of handicapped is a national challenge in Pakistan." How can we meet this challenge? (30)
- Q. No. 5 "Children are the future of our society". Unfortunately, Child Welfare is facing various difficulties. Elaborate those difficulties and give strong arguments to rectify this problem in our society. (30)
- Q. No. 6 What is meant by Social Institution? Discuss the different types and functions of the institution of the family. (30)
- Q. No. 7 What are the attributes of Pakistani culture? Why culture is important for the survival of societies? Justify with arguments. (30)
- Q. No. 8 "Social Welfare Administration" is a backbone for social institutions. Define and discuss the importance of Social Welfare Administration in social work. (30)
- Q. No. 9 Define women welfare. How women can be empowered in the reflection of social work. (30)
- Q. No. 10 "The processes of urbanization and industrialization are adversely affecting the Social institutions in our society." Elaborate the statement. (30)



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FOR RECRUITMENT TO THE POSTS OF

ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

SOCIOLOGY

Total Marks: 150

June 28, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt five questions in all. Question No. 1 is compulsory. All questions carry equal marks.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

Q. No. 1 Briefly explain the following concepts:

(3x10)

- Alienation by Marxian
- Sociological Perspective
- Mores
- Culture Manifestation
- Social Positivism
- Monotheism
- Penology
- Anomic
- Xenocentrism
- Comte law of three stages

Q. No. 2 "Sociology is the systematic study of human group and social life in society". Do you agree with the statement? Discuss it with proper arguments.

(30)

Q. No. 3 The theory of social solidarity by "Drukheim" is a milestone in the subject of sociology. Discuss.

(30)

Q. No. 4 What is research design? Discuss its importance in the social research process and its steps in detail.

(30)

Q. No. 5 What is social stratification? Explain the determinants of social stratification in Pakistan.

(30)

Q. No. 6 Discuss the role of Non-Government Organizations in the development of rural community of Balochistan.

(30)

Q. No. 7 What is society? Elaborate it with the theories of the evolution of society.

(30)

Q. No. 8 Deviant behaviour is a threat to society, how? also discuss theories of deviant behaviour?

(30)

Q. No. 9 Write detailed notes on the following:

(30)

- Cultural Lag
- Social Movement



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COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

STATISTICS

Total Marks: 150

July 13, 2021

Time Allowed: 03 Hours

- NOTE:**
- Attempt any five questions. All questions carry equal marks i.e. $30 \times 5 = 150$. Calculator may be allowed.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
 - Extra attempt of any question or any part of the attempted question will not be considered.

- Q. No. 1**
- Explain the Importance of Regression analysis. (15)
 - Segregate the 2 terms; Correlation & Regression.
 - Briefly explain the coefficient of determination (R^2)?
 - Discuss the significance of the assumptions underlying the method of Least Square? (15)
What is the affect, if these assumptions are violated?

- Q. No. 2**
- Let X denote the number of times a certain numerical control machine will malfunction: 1, 2, or 3 times on any given day. Let Y denote the number of times a technician is called on an emergency call. Their joint probability distribution is given as (15)

$f(x, y)$		x		
		1	2	3
y	1	0.05	0.05	0.10
	3	0.05	0.10	0.35
	5	0.00	0.20	0.10

- Evaluate the marginal distribution of X .
 - Evaluate the marginal distribution of Y .
 - Find $P(Y = 3 / X = 2)$.
- b)** Elaborate the theory of Continuity Correction and Finite population Correction Factor (FPC). When are these applied? What happens if these are dropped from the formulae where their uses are recommended? (15)
- Q. No. 3**
- Prove that the Mean and Standard deviation of Exponential distribution are equal using the pdf: $f(x) = \mu e^{-\mu x}$, $x > 0$. (15)
 - Suppose that a system contains a certain type of component whose time, in years, to failure is given by T . The random variable T is modeled nicely by the exponential distribution with mean time to failure $\theta = 5$. If 5 of these components are installed in different systems, what is the probability that at least 2 are still functioning at the end of 8 years? (15)
- Q. No. 4**
- A multiple-choice quiz has 200 questions, each with 4 possible answers of which only 1 is correct. What is the probability that sheer guesswork yields from 25 to 30 correct answers for the 80 of the 200 problems about which the student has no knowledge? (15)
 - Is there any importance of Sampling in real life? Discuss its major advantages in every daily life. (15)

- Q. No. 5 a) One-sixth of the male freshmen entering a large state school are out-of-state students. If the students are assigned at random to dormitories, 180 to a building, what is the probability that in a given dormitory at least one-fifth of the students are from out of state? (15)
- b) A certain machine makes electrical resistors having a mean resistance of 40 ohms and a standard deviation of 2 ohms. Assuming that the resistance follows a normal distribution and can be measured to any degree of accuracy, what percentage of resistors will have a resistance exceeding 43 ohms? (15)
- Q. No. 6 a) Show that S^2 is an unbiased estimator of the parameter σ^2 . (15)
- b) The average zinc concentration recovered from a sample of measurements taken in 36 different locations in a river is found to be 2.6 grams per milliliter. Find the 95% and 99% confidence intervals for the mean zinc concentration in the river. Assume that the population standard deviation is 0.3 gram per milliliter. (15)
- Q. No. 7 a) Describe Statistics. Discuss its significance in real world by giving real life examples. (15)
- b) Define and contrast the 4 measurement scales (Ratio, Interval, Ordinal, and Nominal) with few real-life examples. Which scale to be used in which situation? (15)
- Q. No. 8 a) Briefly discuss the concept of R^2 . Why Adjusted R^2 is preferred over R^2 ? Discuss in detail whether Adjusted R^2 be negative? (15)
- b) What is experimental design? Discuss its various types with application under certain conditions. (15)



BALUCHISTAN PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION 2021

FOR RECRUITMENT TO THE POSTS OF

ASSISTANT COMMISSIONER/SECTION OFFICER (8-17)

IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

GENERAL PAPER IN URDU

Roll Number

Total Marks: 100

June 16, 2021

Time Allowed: 03 Hours

NOTE: I. Attempt all questions.

ii. All the parts (if any) of each Question must be attempted at one place instead of at different places.

iii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.

iv. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.

v. Extra attempt of any question or any part of the attempted question will not be considered.

(۲۵) سوال نمبر 1 - کسی ایک عنوان پر مضمون لکھیں۔

الف: کہیں ان میں کب تھے
ب: سانس بھلا میں اب کا مستقبل
ج: لے سانس بھی آیتہ کہ نازک ہے بہ کام
د: گویا دل میں ان پڑھ جوانوں کے مسائل کا پائل

(۱۵) سوال نمبر 2 - صرف ہانچ اشعار کی تشریح کریں:

۱۔ مہاں ہے ہر طرف عالم میں ہے چاہ ایک دم
دل وہاں کہاں تری دست کو پائے
بہر اودیہ جہاں نہیں ہکت میں غلب اس کا
میرا ہی دل ہے وہ جہاں تو تے
۲۔ اسی ظم کہن میں اب ہے آدم
۳۔ خودی لے گئی کہاں ہم کو
۴۔ نسل میں اس کی ہیں اب تک تان مہر حق
۵۔ کیا خدا ہے میرے ساتھ خدا ہائے دگر
۶۔ کہ یہ چاہے ہے غریبی مرے کاٹنے کی
۷۔ کافی ہے نسل کو سرنی ایک نظر بھی
۸۔ در و دیار سے لپے ہے جاہاں ہوتا
۹۔ اس سلیقہ کی عداوت کہیں دیکھی نہ سنی
۱۰۔ لوگ ہوں دیکھ کے ہنس دیتے ہیں
۱۱۔ تو زمانے کا حد دوست زمانہ میرا
۱۲۔ تو مجھے بھول گیا ہو مجھے

(۱۵) سوال نمبر 3 - صرف ہانچ محاورات اور ضرب الامثال کو اس طرح جملوں میں استعمال کریں کہ ان معنی واضح ہو جائیں:

۱۔ اب بچھڑے کیا ہوت جب چریاں پھٹ گئیں گیت
۲۔ پانچوں انگلیاں گئی میں ہوتا
۳۔ جس کا کام اسی کو سامنے
۴۔ چکا چوند ہوتا
۵۔ دسی جل گئی نہ گیا
۶۔ نام پر حرف آتا
۷۔ ہار دین کی ہانہ کی ہار دھری رات
۸۔ دوروں کے جب غلیل تان فاختہ اڑا کرتے تھے

(۱۵) سوال نمبر 4 - درج ذیل نثر پارے کو آسان اردو میں لکھیں:

بہت کم لوگ ہیں جو اس کی حقیقت جانتے ہیں اور بہت کم ہیں جو اس کے حقیقت کے معزز افراد کے متعلق ہوں۔ جس کی لوگ بہت آد
بگت کرتے ہیں اسی کو لوگ معزز سمجھتے ہیں اور وہ اپنے آپ کو معزز جانتے ہیں۔ دولت، حکومت، طاقت، علم اور فخر تو وہ لوگوں کو معزز بناتے ہیں۔ وہ خود
بھی آپ کو معزز سمجھتے ہیں اور لوگ بھی ان کو معزز جانتے ہیں۔ ادا صاف طاقتور بھی ایک ذریعہ معزز ہونے اور معزز بننے کا ہے جو دولت اور حکومت اور
حشت سے بھی زیادہ ان کو معزز بناتا ہے، مگر یہ اعزاز اس سے زیادہ بکھر رہا ہے کہ ایک تانبے کی صورت فحش سونے کی نہ ہو اس وقت تک
در حقیقت وہ کچھ قدر وقت کے لائق نہیں ہے۔ یہی حال انسان کا ہے جب تک اس کی اندرونی حالت بھی عزت کے قابل نہ ہو وہ معزز نہیں ہو سکتا۔

(۱۵) سوال نمبر 5 - درج ذیل میں سے صرف ہانچ جملے درست کریں:

۱۔ درو سانس بھول گیا ہے۔
۲۔ جلدی سے پتہ دھنیاں مل کر۔
۳۔ یہ میرے تانے کی دکان ہے۔
۴۔ اس نے کھانے کی ضرورت آئے۔
۵۔ اس لفظ کے معنی کیا ہے؟
۶۔ ناخدا اکی طانہ وصال علم۔
۷۔ قیمت دن بدن بڑھ رہی ہیں۔
۸۔ ناخدا اکی طانہ وصال علم۔

(۱۵) سوال نمبر 7 - درج ذیل کا اردو ترجمہ کریں:

Folk art is rooted in traditions that come from the community and culture-expressing cultural identity by conveying shared community values and aesthetic. Folk art encompasses a range of utilitarian and decorative media, including cloth, wood, paper, clay, metal and more. Folk art is made by individuals whose creating skills convey their community's aesthetic cultural identity, rather than an individual or idiosyncratic artistic identity.



BALUCHISTAN PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION 2021
FOR RECRUITMENT TO THE POSTS OF
ASSISTANT COMMISSIONER/SECTION OFFICER (B-17)
IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT
HISTORY OF URDU LITERATURE

Roll Number

Total Marks: 150

July 07, 2021

Time Allowed: 03 Hours

- NOTE: vi. کوئی بڑے پالچ سوال حل کریں۔ ہر سوال کے نمبر مساوی ہیں۔
vii. All the parts (if any) of each Question must be attempted at one place instead of at different places.
viii. Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
ix. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
x. Extra attempt of any question or any part of the attempted question will not be considered.

- سوال نمبر 1 :- اردو نثر کے فروغ میں غوث ولیم کالج کے کردار پر روشنی ڈالیں۔ (۳۰)
- سوال نمبر 2 :- قلی قتب شاہ کی ان خصوصیات کو اجاگر کریں، جو صرف انہیں سے مخصوص ہیں۔ (۳۰)
- سوال نمبر 3 :- پریم چند کی افسانہ نگاری کے ادوار کا تقابلی جائزہ لیں۔ (۳۰)
- سوال نمبر 4 :- کیا حسرت موہانی واقعی رئیس التخلین ہیں؟ مدلل تائید یا تردید کریں۔ (۳۰)
- سوال نمبر 5 :- اردو مکتوب نگاری میں مولانا ابوالکلام آزاد کی غبار خاطر کی اہمیت واضح کریں۔ (۳۰)
- سوال نمبر 6 :- کیا ڈاکٹر انعام الحق کوثر کی سبب "بلوچستان میں اردو" کے ذریعے بلوچستان میں اردو کی ادبی تاریخ کے تمام گوشے منکشف ہو گئے ہیں؟ ناقدانہ جائزہ لیں۔ (۳۰)
- سوال نمبر 7 :- ان وجوہات کی وضاحت کریں جن کی بنا پر انارکلی کو ادبی ڈرامہ قرار دیا جاتا ہے۔ (۳۰)
- سوال نمبر 8 :- بانو قدسیہ کے ناول "راجہ گدھ" کے مرکزی کرداروں کی فکری افہام پر مفصل بحث کریں۔ (۳۰)
- سوال نمبر 9 :- اردو کی قصیدہ نگاری کی روایت میں سودا کے مقام کا تعین کریں۔ (۳۰)
- سوال نمبر 10 :- کسی دو پر لوٹ لکھیں۔ (۱۵+۱۵)
- ج. انجمن ترقی اردو
- د. پروین شاکر
- ا. رومانوی تحریک
- ب. ڈاکٹر جمیل جالبی



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IN THE SERVICES & GENERAL ADMINISTRATION DEPARTMENT

Roll Number

ZOOLOGY

July 06, 2021

Time Allowed: 03 Hours

Total Marks: 150

- NOTE:**
- Attempt five questions in all. Q. No. 1 is **COMPULSORY**. Attempt at least one question from each section. Draw neat and labelled diagram where necessary.
 - All the parts (if any) of each Question must be attempted at one place instead of at different places.
 - Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
 - No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
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Q. No. 1 a) Differentiate between the following (any seven)

(2x07)

- Metamerism and tagmatization
- Prototheria and Metatheria
- Ascon and sycon type of sponges
- Polyp and medusa
- Chondrichthyes and osteichthyes
- Autotrophs and heterotrophs
- Food chain and food web
- Protostomes and deuterostomes
- Microtubules and microfilaments
- Aneuploidy and Euploidy

b) Choose the best option

(1x10)

- All of the following are storage polysaccharides except:**
a) Cellulose b) Starch c) Glycogen d) Dextran
- The vertebrate lungs are derived from**
a) Ectoderm b) Mesoderm c) Endoderm d) Notochord
- A DNA codon consists of:**
a) One nucleotide b) Three nucleotides c) Hundreds or even thousands of nucleotides
- Limbless members of class reptilia belong to the order:**
a) Testudines b) Squamata c) Rhynchocephalia d) Archosauria
- Amphibians arose from:**
a) Cartilaginous fish b) Jawless fish c) Ray finned fish d) Bony fishes with lungs
- Which of the following is not sub phylum of Chordata:**
a) Hemichordata b) Eurochordata c) Cephalochordate d) Vertebrata
- In annelids, the clitellum is:**
a) Part of reproductive system b) Usually near the head
c) Stores the fertilized eggs d) Glandular and secretes mucus
- Archaeopteryx called a connecting link, carried the characters of:**
a) Reptile and bird b) Reptile and mammal c) Fish and amphibian d) Amphibian and reptile
- Odd toed ungulates such as horse, zebra, donkey etc. are included under order:**
a) Proboscidea b) Ruminants c) Perissodactyla d) Artiodactyla
- Which of the following organelles always contain DNA:**
a) lysosome b) Golgi complex c) Mitochondria d) Ribosome

c) Sketch and label the structure/diagram of the following (any three)

(2x03)

- β Glucose
- Amino acid
- Purine nucleotide
- Planula larva
- Energy yielding phase of glycolysis

P.T.O

SECTION-I

- Q. No. 2 a) Discuss the diverse sense organs and appendages in sub phylum Crustacea and describe metamorphosis in insects. (15)
b) Sketch the classification of subphylum Crustacea with examples. (15)
- Q. No. 3 a) Define triploblastic organization and describe the three types of triploblastic organization (15)
b) Describe briefly the evolutionary perspective regarding origin of Cnidarians and also discuss its phylogenetic consideration with the help of cladogram. (15)
- Q. No. 4 a) Draw the Molluscan body organization and describe the classification of Phylum Mollusca with examples (15)
b) Enlist some important nematode parasites of humans. Explain the life cycle of *Fasciola hepatica* with the help of diagram (15)

SECTION-II

- Q. No. 5 a) Classify the class Amphibia with important examples and distinguishing characteristics and discuss the evolution of axial skeleton and temperature regulation in Amphibians. (15)
b) Explain Circulation, osmoregulation and gaseous exchange in fishes. (15)
- Q. No. 6 a) Discuss the diagnostic features of class reptilian and classify the class reptilian up to order levels with important examples. (15)
b) Discuss adaptations of flight in birds. (15)
- Q. No. 7 a) Describe the general characteristics, evolutionary adaptations and examples of Phylum Chordata. (15)
b) Describe the diverse features of mammals and enlist the classification of mammals up to order level with examples. (15)

SECTION-III

- Q. No. 8 a) Describe the types of Genetic mutations. (15)
b) Explain the patterns of sex determination in different groups of animals. (15)
- Q. No. 9 a) Describe the structure, formations and diverse functions of lysosomes. (15)
b) Discuss the phenomenon of replication and transcription with the help of diagram. (15)
- Q. No. 10 Write short note on any two of the following: (15+15)
i) Nitrogen cycle
ii) Greenhouse effect
iii) Ecological succession
iv) Linkage and crossing over