List of Correct Answers for Quiz

Islamiyat

is1. Quran mein kul kitni Ayaat hain? **6666**

is2. Surah Baqarah mein kul kitni Ayaat hain? **286**

is3. Hazrat Umar (R.A) ki shahadat kis saal hui? **23 AH**

is4. Sab se pehli wahi kis ghari mein nazil hui? **17 Ramzan**

is5. Quran ki sabse lambi ayat konsa hai? **Ayat-e-Dayn (2:282)**

is6. Hazrat Usman (R.A) ne Quran ki kitni nuskhe jama kiye? **4**

is7. Hudaybiyyah ka muahida kitne saal ke liye tha? **10**

is8. Surah Tawbah kaun si surah hai jo Bismillah se shuru nahi hoti? **9th**

is9. Kis Nabi ko 950 saal tak qaum mein dawat dene ka zikr hai? **Hazrat Nuh (A.S)**

is10. Badr ki jang mein kitne kafir mare gaye? **70**

is11. Hijrat-e-Madina ke waqt Nabi (S.A.W) ke sath kaun tha? **Hazrat Abu Bakr (R.A)**

is12. Surah Fatiha ko aur kis naam se jana jata hai? **Umm-ul-Kitab**

is13. Quran mein sabse ziada baar kis Nabi ka zikr hai? **Musa (A.S)**

is14. Kitni suratein Madni hain? **29**

is15. Hazrat Khadija (R.A) ki wafat kis saal hui? **10 Nabvi**

is16. Ghazwa-e-Khandaq kis hijri saal hua? **5 AH**

is17. Surah Ikhlas kaunsi number ki Surah hai? **112**

is18. Hazrat Umar (R.A) ke dor mein kon sa mulk fatah hua? **Iran**

is19. Surah Alaq ka pehla lafz kya hai? **Iqra**

is20. Hazrat Ali (R.A) ki shahadat kis masjid mein hui? **Kufa**

is22. Hazrat Abu Bakr (R.A) ki Wilayat ka daur kitne saal raha? **2.5**

is23. Surah Noor mein kis cheez ka zikr hai? **Hijab**

is24. Quran ka akhri paigham konsa hai? **Aaj maine tumhara deen mukammal kar diya**

is25. Surah Yaseen ko Quran ka kya kaha jata hai? **Dil**

Mathematics

m1. If log(8x) = 9, find x. **172**

m2. Evaluate: limit as x0 of (sin(5x)/x). **5**

m3. Solve for x: 2xš - 7x + 3 = 0. **x=1,3/2**

m4. The determinant of [[2,3],[1,4]] is: **6**

m5. Derivative of $e^{(2x)} is : \mathbf{2e}^{(2x)} If f(x) = x, then f''(2) =? \mathbf{12} Evaluate integral 0 (3x) dx. \mathbf{1}$

m6. If A = [[1,2],[3,4]], find trace(A). **5**

m7. Probability of getting sum 7 on dice roll (two dice)? **1/6**

m8. Simplify: $(x^4)^3. \mathbf{x^{12}} Solve for n : 2^n = 64. \mathbf{6} Matrix inverse of [[1,2],[3,4]] determinant is?$**-2**

m9. Rank of zero matrix of order 3? **0**

m10. If tan = 3/4, find sin. **3/5**

m11. Find eigenvalues of [[2,0],[0,3]]. **2,3**

m12. Expand: $(x+y)^4. \mathbf{x^4 + 4xy + 6xy + 4xy + y^4} Slope of tangent to y = x at x = 3 is : \mathbf{6} Area under y = x between x = 0 to$

m13. If P(A)=0.5, P(B)=0.4, P(AB)=0.2, find P(AB). **0.7**

m14. nth term of AP: 5,8,11,... **3n+2**

m15. If log(2)=0.301, log(3)=0.477, find log(6). **0.778**

m16. General solution of sinx=0? **x=n**

m17. Find derivative of ln(xš+1). **2x/(xš+1)**

m18. Limit of $(1+1/n)^n as n. \mathbf{e} Solve : e^x cos(x) dx. (\mathbf{e}^x/2)(sinx + cosx) + C$

Computer Science

cs1. Time complexity of binary search on a sorted array? **O(log n)**

cs2. Which scheduling algorithm minimizes average waiting time (non-preemptive)? **SJF JF**

cs3. Which of the following is NOT a necessary condition for deadlock? **Re-entrancy**

cs4. TCP connection establishment uses: **Three-way handshake**

cs5. Which layer of the OSI model is responsible for routing? **Network**

cs6. In databases, ACID property I stands for: **Isolation**

cs7. B+ Tree indexes are preferred in DBMS because: **They keep data sorted and allow range queries efficiently**

cs8. In paging, the mapping from virtual to physical memory is maintained by: **Page Table**

cs9. AES has a fixed block size of: **128 bits**

cs10. SHA-256 produces a digest of length: **256 bits**

cs11. Which normal form eliminates transitive dependencies on the primary key? **3NF**

cs12. C++ keyword that prevents method overriding: **final**

cs13. Which statement about CAP theorem is correct? **Under network partition, a system must choose between Consistency and Availability**

cs14. In TCP, congestion control algorithm initially uses: **Slow start**

cs15. Which data structure gives amortized O(1) for push/pop and O(1) access to top? **Stack**

cs16. NP-Complete problems are: **In NP and NP-hard**

cs17. Cache write policy that updates cache and memory simultaneously: **Write-through**

cs18. Which protocol secures HTTP over TLS? **HTTPS**

cs19. In compiler design, LL(1) parsers are: **Top-down predictive**

cs20. Which of the following is NOT a loss function? **ReLU**

cs21. Docker containers are primarily isolated using: **Linux namespaces & cgroups**

cs22. In networks, CIDR /26 has how many usable IPv4 host addresses? **62**

cs23. Database isolation level that prevents dirty reads but not non-repeatable reads: **Read Committed**

cs24. Which algorithm is used for shortest path in a graph with non-negative weights? **Dijkstra**

cs25. Git command to rewrite last commit message (no changes to content): **git commit – amend**

IQ

iq1. If 3 machines can make 3 toys in 3 minutes, how many toys can 100 machines make in 100 minutes? **10000**

iq2. A clock shows 3:15. What is the angle between the hour and minute hand? **7.5ř**

iq3. Find the missing term: 2, 6, 12, 20, 30, ? **42**

iq4. If the code for CAT is DBU, then the code for DOG is? **EPH**

iq5. Ali is taller than Bilal, Bilal is taller than Ahmed. Ahmed is taller than Usman. Who is the tallest? **Ali**

iq6. If 5 pencils cost as much as 3 pens and 2 pens cost Rs.20, then what is the cost of 10 pencils? **60**

iq7. Which one is the odd one out? 36, 49, 64, 81, 100 **36**

iq8. If it takes 10 minutes to boil 1 egg, how long will it take to boil 5 eggs together? **10 min**

iq9. Which number comes next? 2, 12, 30, 56, ? **132**

iq10. In a family of 6, A is father, B is mother, C is son, D is daughter, E is brother of A, F is sister of B. How is E related to C? **Uncle**

iq11. If MONDAY is coded as NQPCFZ, how is FRIDAY coded? **HSKCBZ**

iq12. Complete the series: 3, 9, 27, 81, ? **243**

iq13. Find the odd one: Triangle, Square, Pentagon, Octagon **Triangle**

iq14. If $2x + 3y = 12$ and $x = 2$, what is y? **2**

iq15. A train 200m long passes a man standing on a platform in 10s. Speed of train? **20 m/s**

iq16. What comes next: AB, DE, HI, MN, ? **QR**

iq17. If 8 workers can build a wall in 12 days, how many days will 6 workers take? **18**

iq18. Which one is not a prime number? 29, 31, 33, 37 **33**

iq19. The opposite of South-West is? **North-East**

iq20. Find missing: 4, 9, 19, 39, ? **79**

iq21. A is older than B. B is older than C. C is older than D. Who is youngest? **D**

iq22. If 2 typists can type 20 pages in 2 hours, how many pages can 6 typists type in 6 hours? **180**

iq23. Which figure is different: Circle, Square, Sphere, Triangle **Sphere**

iq24. Find the missing number: 11, 21, 43, 87, ? **176**

iq25. Two dice are rolled. Probability of getting a sum of 9? **1/9**

English

en1. Choose the correct antonym of Ubiquitous **Rare**

en2. Identify the error: Neither the teacher nor the students was present. **Error in was**

en3. Which sentence uses the subjunctive mood correctly? **If I were rich, I would travel.**

en4. Fill in the blank: He is good $_{Mathematics.}$**at**$_{Choosethesynonymof Obfuscate}$**Confuse**

en5. Correct the sentence: She insisted to go. **She insisted on going**

en6. Which is a complex sentence? **Although she was tired, she finished the work.**

en7. Identify the figure of speech: The silence was deafening. **Oxymoron**

en8. Choose the correct indirect speech: He said, I will come tomorrow. **He said he would come the next day.**

en9. Choose the correctly punctuated sentence. **Its raining; bring an umbrella.**

en10. Which word is the odd one out? Loquacious, Garrulous, Reticent, Talkative **Reticent**

en11. Choose the correct passive voice: They are writing a letter. **A letter is being written by them.**

en12. Which is an example of a non-restrictive clause? **The book, which is on the table, is mine.**

en13. Choose the synonym of Ephemeral **Short-lived**

en14. Correct the spelling: **Accommodation**

en15. Which sentence contains parallel structure? **She likes dancing, singing, and reading.**

en16. Identify the tense: He will have been working here for 5 years by next June. **Future Perfect Continuous**

en17. Which preposition fits: He is accused $_{theft.}$**of**$_{Choosethecorrectconditional:Ifhe}$ $_{harder,hewouldhavepassed.}$**had studied**

en18. Which is a gerund phrase? **Running fast**

en19. Which is the superlative degree? Good, Better, **Best**$_{Choosethecorrectreportedspeech:Shesaid,Ihavefinishedmywork.}$**She said that she h**

en20. Which is an example of an infinitive phrase? **To eat healthy food**

en21. Find the error: He is senior than me. **Error in than**

en22. Which sentence uses who correctly? **The man who called you is outside.**

Pakistan Studies

ps1. Who was the first Governor-General of Pakistan? **Muhammad Ali Jinnah**

ps2. When was the Objectives Resolution passed? **1949**

ps3. Which river is called the lifeline of Pakistans agriculture? **Indus**

ps4. Who presented the Lahore Resolution in 1940? **A.K. Fazlul Haq**

ps5. Which is the highest peak in Pakistan? **K2**

ps6. The Indus Waters Treaty was signed in 1960 with the help of? **World Bank**

ps7. Which constitutional amendment restored the parliamentary system in 1985? **8th**

ps8. Who was the first female Prime Minister of Pakistan? **Benazir Bhutto**

ps9. Which desert is located in Sindh? **Thar**

ps10. When did Pakistan become a nuclear power? **1998**

ps11. Which language was declared the national language of Pakistan in 1948? **Urdu**

ps12. Which was the capital of Pakistan before Islamabad? **Karachi**

ps13. In which year did Pakistan join the United Nations? **1948**

ps14. Which is the longest river of Pakistan? **Indus**

ps15. Which province has the largest area in Pakistan? **Balochistan**

ps16. Who was the first President of Pakistan? **Iskander Mirza**

ps17. Which mountain range separates Pakistan from Afghanistan? **Hindu Kush**

ps18. When was the first constitution of Pakistan enforced? **1956**

ps19. Ranikot Fort is located in which province? **Sindh**

ps20. Who is the author of Pakistan: The Formative Phase? **Khalid Bin Sayeed**

ps21. The Durand Line agreement was signed between British India and? **Afghanistan**

ps22. Which is the largest natural lake of Pakistan? **Manchar**

ps23. The Simla Agreement was signed in? **1972**

ps24. When did East Pakistan become Bangladesh? **1971**

ps25. Who was the Prime Minister during the 1965 war? **Ayub Khan**