Lahore University of Management Sciences (LUMS)

LUMS Written Exam for EOBI Recruitment 2024
Employees' Old-Age Benefits Institution
Ministry of Overseas Pakistanis and Human Resource Development
Government of Pakistan, Islamabad

Sample Question Paper:
Assistant Director (Grade-7), IT Cadre (Equivalent to BPS-17)
Exam Code: 02

Name: _____ Registration Number: _____

Caution: The questions in this sample paper serve as an example. The difficulty level of questions in the actual exam may differ significantly.

Guidelines for Candidates

- Do not open this exam until you are instructed to do so.
- You will have a maximum of 90 minutes to complete the exam.
- All answers must be provided on the Optical Mark Recognition (OMR) or bubble sheet that accompanies the question paper.
- Use a black or blue ballpoint pen to mark your answers on the answer sheet.
- This exam is divided into four sections. The section names and their corresponding marks scheme is listed below:
  - **Advanced Computational and IT Application Skills (40%):** The test is designed to be completed in 36 minutes; however, you are free to use more or less time as you see fit.
  - **Communication Skills (20%):** The suggested time for this test is 18 minutes, but you may adjust this time based on your needs.
  - **Analytical Skills & Data Response (20%):** This test is planned for 18 minutes of completion time, but you are welcome to adjust the time as you need.
  - **IT Skills (20%):** The intended duration for this test is 18 minutes, but you may extend or shorten this time according to your preference.
- Return both your question paper and answer sheet.
- A calculator may be required for this exam.

Section 1: Advanced Computational and IT Application Skills

Please answer the multiple-choice questions below.

1. Suppose you are asked to test a Web service which provides Currency Conversion Facility. What sequence of steps will you perform to do this?
    a. Understand the SOAP file; Determine the operations that your system performs; Determine the HTTP request format which needs to be applied; Determine the response WSDL format; Use a tool or manually write code to send request and validate the response.
    b. Understand the WSDL file; Determine the operations that this Web service provides; Determine the XML request format which needs to be sent; Determine the response XML format; Use a tool or manually write code to send request and validate the response.
    c. Understand the WSDL file; Determine the XML message XML that would be sent; Determine the HTTP request which will be received; Determine the response SOAP format to be used for communication; Use a tool to write code to send request and validate the response.
    d. Understand the XML file; Determine the WSDL that this web service provides; Determine the operations which need to be performed; Determine the response received in JavaScript; Manually write code to integrate the Web service in the system.

2. There are primarily two kinds of Web Services:
    a. A Web service based on JSON and a Web service based on HTTP methods.
    b. A SOAP based Web service, and a RESTless Web service developed in the BEST style.
    c. A SOAP based Web service, and a RESTful Web service developed in the REST style.
    d. A RESTful Web service and a URI based Web service.

3. The correct sequence of HTML tags for starting a webpage is:
    a. Title, head, HTML, body
    b. Head, title, body, HTML
    c. Head, HTML, title, body
    d. HTML, head, title, body

4. The EOBI management wants to make informed decisions based on data. You are asked to examine, clean, transform, and interpret data to extract meaningful insights and present them to the management. Which high-level programming languages would you use to perform this task?
    a. SQL and JavaScript with libraries like Object Box, GrumPy and Symphony
    b. Python and R with libraries like Unity and Bash
    c. Python and R with libraries like Pandas, NumPy, and SciPy
    d. Python and R with libraries like Bear, Bash, and Anaconda

5. Object-oriented programming (OOP) is different from structured programming. The main features of OOP are:
    a. Abstraction, Encapsulation, Inheritance, Polymorphism
    b. Abstraction, Encryption, Inheritance, Polymorphism
    c. Data binding, Encapsulation, Inheritance, Polygraphing
    d. Data hiding, Inheritance, Polymerization, Encapsulation

6. Your team is developing an application using OOP environment. One of the team members is confused about whether to use overriding or overloading for the implementation of a given feature. How would you explain to her the difference between the two?

    a. Overloading is about encapsulation in which an entity exposes its data publicly to outside world, whereas overriding is about data hiding in which data is made private to the entity.
    b. Overloading is a run-time polymorphism feature in which an entity has multiple implementations with the same name, whereas overriding is a compile-time polymorphism feature in which an entity has the same name, and its implementation remains the same during execution.
    c. Overloading is a compile-time polymorphism feature in which an entity has multiple implementations with the same name, whereas overriding is a runtime polymorphism feature in which an entity has the same name, but its implementation changes during execution.
    d. Overloading is a compile-time polymorphism feature in which an entity has the same name but its implementation changes during execution, whereas overriding is a runtime polymorphism feature in which an entity has multiple implementations with the same name.

7. You need to develop a queue management system at one of your service centers for pensioners, serving them based on features such as age and physical condition. You decide to use a priority queue for implementing this application. Which of the following data structures would you prefer to efficiently implement this requirement?

    a. Arrays
    b. Binary search tree
    c. Heap
    d. Linked list

8. An Android library is structurally the same as an Android app module. However, instead of compiling into an _____ that runs on a device, an Android library compiles into an _____ file that you can use as a dependency for an Android app module.

    a. APK, JAR
    b. APK, AAR
    c. ANR, API
    d. AAR, JAR

9. The application your team has developed for pensioners needs to be tested to ensure that it is usable by people with disabilities. Which of the following testing methods will you apply to ensure this?

    a. Accessibility Testing
    b. Disability Testing
    c. Unit Testing
    d. Usability Testing

10. You just received a call from your team-mate that the Web application for EOBI Pension Management is ready for rollout. With around 10 million pensioners registered with your organization, you decide to conduct some testing using automated tools. What kind of tests would you be able to perform using test-automation tools?

    a. Code coverage tests, unit tests, and user experience tests
    b. Load test, regression tests, and exploratory tests
    c. Load tests, sanity tests, and regression tests
    d. Regression tests, sanity tests, and privacy tests

11. What is the purpose of "Service Virtualization" in automation testing?

    a. To analyze code without executing it.
    b. To compare the software with other similar software applications
    c. To optimize code for better performance
    d. To simulate the behavior of dependencies that are not yet available or are difficult to configure.

12. MVC (Model-View-Controller) is a design pattern in software design commonly used to implement user interfaces, data, and controlling logic. In MVC the controller:

    a. encapsulates business logic and data processing methods.
    b. is responsible for processing and forwarding the incoming requests.
    c. is responsible for saving the requests and displaying them on screen.
    d. is used to interface design for displaying the data.

13. What do you understand by the concept of middleware?

    a. The term middleware refers to the hardware that provides applications with different services and capabilities beyond what the operating system can provide.
    b. The term middleware refers to the software that provides applications with common services and capabilities beyond what the operating system can provide.
    c. The term middleware refers to the software that provides applications with common services and capabilities that the operating system can also provide.
    d. The term middleware refers to the hardware that is connected between a desktop and a Wi-Fi device and provides a physical connection to the Internet.

14. Before implementing the Pensioner Facilitation App, you have asked your team to develop a UML diagram to capture business processes and requirements as a sequence of steps. Which of the following diagrams will represent this information?

    a. Use case diagram
    b. Sequence diagram
    c. Communication diagram
    d. Activity diagram

15. ODBC stands for:

    a. Open Database Connectivity
    b. Object-oriented Database Connections
    c. Object-only Database Connectivity
    d. Object Database Completeness

16. Your boss has given you data of pensioners registered with EOBI and has asked you to prepare a visual representation of their distribution across Pakistan. Which of the following charts/graphs would you preferably use to show the location correlation with pensioner registration?

    a. Histograms
    b. Maps
    c. Pie charts
    d. Tree maps

17. You have been given a large set of data in a spreadsheet to analyze using a statistical tool. Which of the following sequences of data processing will you use?

    a. Process using the statistical tool, input to statistical tool, store, output
    b. Output from statistical tool, process, input to statistical tool, store
    c. Input to statistical tool, store, process, output from statistical tool
    d. Input to statistical tool, output from statistical tool, process, store

18. What do you mean by cloud computing?

    a. A term referring to storing data over the internet.
    b. A platform where you can access huge amounts of data without having a hard disk.
    c. A platform where you can access data from a remote server.
    d. All the above.

19. IaaS is one of the service models of cloud computing. It stands for:

    a. Infrastructure as a service
    b. Infrastructure as a source
    c. Internet as a service
    d. Internetwork as a service

20. Google Kubernetes Engine follows which cloud computing model?

    a. GAAS
    b. IAAS
    c. PAAS
    d. SAAS

21. What is the difference between Business Intelligence (BI) and Data Science?

    a. BI deals with all types of data whereas data science deals with only structured types of data.
    b. BI deals with only structured and unstructured types of data but not semi-structured whereas data science deals with only structured types of data.
    c. Data Science deals with all types of data whereas BI deals with only structured types of data.
    d. Data science deals with only structured and unstructured types of data but not semi-structured data whereas BI deals with only structured data.

22. In AI, the whole universe is generally divided into two components. What are these two components?

    a. Agent and environment
    b. Earth and rest of the universe
    c. Human and animals
    d. Sky and Land

23. As software project manager, you have discovered that the project is large, its requirements are unclear and complex, and there is a high risk of cost escalation. Which of the following software development models will you prefer?

    a. Incremental Model
    b. Prototype Model
    c. Spiral Model
    d. Waterfall model

24. You are maintaining a blog of EOBI, but you notice that it is poorly ranked on Google search. Which of the following processes will you use to improve its ranking on Google search results?

    a. Search edit
    b. Google index updating
    c. Search engine optimization
    d. Search engine ranking

25. What is the significance of a firewall in cybersecurity?

    a. To detect and remove malware from a computer
    b. To encrypt sensitive data on a computer
    c. To prevent unauthorized physical access to a computer
    d. To protect a computer from unauthorized network access

26. You have several devices connected to your EOBI network. How would you identify the actual physical device?

    a. Using its location address
    b. Using its MAC address
    c. Using its name
    d. Using its TCP/IP address

27. Many times, while visiting a website, you see a message "Accept Cookies". Cookies are:

    a. small files that are stored in cloud by specific websites to keep data saved so that data can be accessed by that specific website again.
    b. small files that are stored on server by specific websites to keep data saved so that data can be accessed by that specific website again.
    c. small files that are stored on user's computer by specific websites to keep data saved so that data can be accessed by that specific website again.
    d. small files that are stored on website databases by specific websites to keep data saved so that data can be accessed by that specific website again.

28. The storage structure that does not survive system crashes is called:

    a. Dynamic storage
    b. Non-volatile storage
    c. Stable storage
    d. Volatile storage

29. As a responsible IT officer at EOBI, you are involved in processing and distributing data. Which of the following should you be familiar with to minimize the risk to data?

    a. Companies' information
    b. Data protection principles
    c. Data storage principles
    d. Information management principles

30. You are new to ChatGPT. You are wondering how you can use it for the benefit of EOBI pensioners. What would be a typical use case for ChatGPT in this scenario?

    a. Develop a virtual customer support application
    b. Develop a weather forecasting service for pensioners
    c. Develop a navigation support system to navigate through the EOBI office
    d. Develop a stock market analysis application for the pensioners

Section 2: Communication Skills

<u>Please read the following passage and answer the multiple-choice questions that follow.</u>

Wasim Akram was the master swing bowler of the modern era. With Waqar Younis he formed one of the most lethal fast-bowling partnerships in the history of the game. When Wasim and Waqar were in their pomp during the mid-1990s they were a formidable force, decimating batting line-ups, and making Pakistan one of the world's best teams.

Wasim provided a finesse in his bowling that was rare in fast bowlers. Waqar, the perfect foil, pounded into bowl fast and furiously. He also had great skill, but Wasim was the magician when it came to deception.

I only played against Wasim on a handful of occasions at the tail-end of his career. The first time was in the Champions Trophy in Kenya. He bowled just one delivery at me - a fast, skiddy bouncer that I ducked under. The next time was in Sharjah, where he uprooted my stumps with a vicious, swinging yorker with the new ball. The only time I prospered was in an innings in Morocco, back in 2002. During those brief encounters I discovered first-hand just why the world's great batsmen, the Tendulkars, Laras, de Silvas and Jayasuriyas, spoke of Wasim with such awe and respect.

Wasim was probably the most skillful and deceptive fast bowler I have watched. Nothing was ever the same twice in a row. He tested every single part of your game as a batsman, probing away for chinks in your technique.

He would seem to be rushing towards you at the end of his run-up. He had great balance and a quick arm action, coupled with very strong shoulders, and had the ability to bowl deliveries that could be anywhere between 120 and 145kph with no discernible change in his action. This rapid change in pace from one delivery to the next was lethal.

Long before I seriously thought about a future career in cricket, I remember watching two of the most unforgettable deliveries ever, in the final of the 1992 World Cup. England were chasing 249 for victory and going well on 141 for 4 when Wasim came back for a mid-innings spell.

The first ball was the one round the wicket to Allan Lamb, England's match-winner during that period. The ball seemed to swing into the batsman, only to nip away at the last minute and take his off stump. It was a wicked, unplayable delivery. The next was perhaps even better, swinging about two feet to bowl Chris Lewis' first ball. Lewis looked dumbfounded.

These deliveries were produced in the middle of the innings with the old ball. It was this unmatched ability to reverse-swing the ball that was Wasim's hallmark. It was an ability that was dogged by controversy, with many accusations around the world that reverse swing was the product of ball-tampering. I think these controversies took the focus away from what was a supreme skill.

31. Who did Wasim Akram form a lethal fast-bowling partnership with?

    a. Imran Khan
    b. Waqar Younis
    c. Shoaib Akhtar
    d. Shahid Afridi

32. In which period were Wasim and Waqar considered to be at their peak?

    a. Early 1980s
    b. Mid-1980s
    c. Mid-1990s
    d. Early 2000s

33. Which delivery did Wasim Akram use to dismiss the author of this passage in Sharjah?
    a. A fast, skiddy bouncer
    b. A slower ball
    c. A vicious, swinging yorker
    d. A length ball

34. What unique ability did Wasim Akram demonstrate with the old ball?
    a. Bowling bouncers
    b. Bowling reverse swing
    c. Bowling slower deliveries
    d. Bowling spin

35. Which World Cup final did Wasim Akram deliver two unforgettable deliveries in?
    a. 1983
    b. 1987
    c. 1992
    d. 1996

36. Who was bowled by Wasim Akram's delivery that swung two feet in the 1992 World Cup final?
    a. Allan Lamb
    b. Chris Lewis
    c. Graham Gooch
    d. Mike Gatting

Please complete the multiple-choice questions below.

37. To give a great presentation, the speaker must have
    a. A bit of apprehension.
    b. Stage fright.
    c. Good PowerPoint slides.
    d. Confident body language.

38. Keeping your audience's perspective in mind can help
    a. In tailoring your message.
    b. In writing a short speech.
    c. In knowing what questions will be asked.
    d. In finishing the presentation on time.

39. "Respect" is an important component of communication skills because
    a. You have earned it by being in a good position.
    b. Others will be more open if you convey it for them and their ideas.
    c. You deserve it if people want to benefit from your knowledge.
    d. Everyone wants it.

40. Which one of the following actions would you consider to be a good example of non-verbal behavior while giving a formal speech?
    a. Speaking loudly.
    b. Making occasional eye-contact with some members of the audience.
    c. Putting both your hands on the dais to show your confidence.
    d. Point to some members of the audience in the last row.

41. What is the most effective way to give verbal feedback after someone has made a poor presentation?

    a. Tell the person that his/her presentation was terrible.
    b. Tell the person that she/he made a wonderful presentation.
    c. Mention something good about the presentation and suggest ways in which it can be improved.
    d. Tell them that you will work with them every day till they perfect the art of presentations.

42. The first and most important reason for communicating is to

    a. Enforce one's ideas on others.
    b. Intimidate the audience with one's brilliance.
    c. Test the new vocabulary at one's disposal.
    d. Build relationships with other people.

Please complete the fill-in-the-blanks questions below.

43. To watch the head of the Egyptian armed forces, General Sisi pronounce 'the roadmap' _____the country's future was not a moment for _____by true democrats, although for hours before and afterwards celebratory fireworks were being set off in and around Tahrir Square doing just that.

    a. undermining   happiness
    b. laying   sadness
    c. planning   rejection
    d. charting   rejoicing

44. Protesters in Brazil have _____to the streets in low-income suburbs of Sao Paulo to demand better education, transport and health services, one day after President Dilma Rousseff _____a wide range of actions to reform the country's political system.

    a. flooded   ordered
    b. flocked   disregarded
    c. backed   requested
    d. returned   proposed

45. For nearly 28 years the U.S. government has _____an increasingly _____secret: A CIA tip to South African intelligence agents led to the arrest that put Black Nationalist leader Nelson Mandela in prison for most of his adult life.

    a. unearthed   positive
    b. harbored   embarrassing
    c. partnered   valuable
    d. kept   unmentionable

46. _____solar panels with an 8-nanometer-thick hydrophobic material keeps rain and condensation from accumulating on the panel, which also _____away the dust and pollen that would normally accumulate and reduce the energy efficiency of the panel.

    a. rinsing   cleanses
    b. Coating   washes
    c. massaging   washing
    d. covering   spews

47. While early adopters were quick to jump on the _____ energy bandwagon solely for sustainability reasons, the rising cost of traditionally sourced energy and lower costs of renewable systems have _____ growth in wind and solar systems.

   a. renewable   spurred
   b. profitable   underachieved
   c. solar   reduced
   d. new   blasted

48. Pakistan and China signed eight _____ agreements, paving the way for inflow of multi-billion-dollar Chinese investment in Pakistan and further _____ the mutually cherished bilateral strategic relationship.

   a. cooperation   strengthening
   b. financial   controlling
   c. barter   strengthen
   d. strategically   weakening

Please choose the best version from the various options of the underlined portion of the sentence.

49. She is the only one of the <u>applicants who have</u> the necessary qualifications.

   a. applicants who have the necessary qualifications.
   b. applicants who has the necessary qualifications.
   c. applicants who having the necessary qualifications.
   d. applicants which have the necessary qualifications.

50. Neither the teacher nor the <u>students was aware of the changes</u> in the schedule.

   a. was aware of the changes in the schedule.
   b. were aware of the changes in the schedule.
   c. is aware of the changes in the schedule.
   d. has been aware of the changes in the schedule.

51. The project was completed <u>by he and his team</u>.

   a. by he and his team.
   b. by him and his team.
   c. by him and team.
   d. by him and his teams.

52. The professor, along with his students, <u>are attending the conference</u>.

   a. are attending the conference.
   b. is attending the conference.
   c. were attending the conference.
   d. be attending the conference.

53. Each of the players <u>have to give their best performance</u>.

   a. have to give their best performance.
   b. have to give his or her best performance.
   c. has to give their best performance.
   d. has to give his or her best performance.

Section 3: Analytical Skills & Data Response

Instructions: Review the population data by age groups in Pakistan in Table 3.1 and answer the multiple-choice questions that follow. Select only one answer by circling the correct option. According to Table 3.1, Pakistan's population is projected to increase from 210.13 million in 2020 to 242.05 million by 2030.

Table 3.1. Population by Age Groups, Pakistan			(Million, Numbers)
Age Group (Years)	2020	2025	2030
00 -04	23.28	22.44	20.35
05-09	22.35	22.95	22.18
10-14	21.24	22.28	22.88
15-19	20.01	21.19	22.24
20-24	20.05	19.95	21.14
25-29	19.71	19.98	19.89
30-34	17.04	19.62	19.91
35-39	14.62	16.94	19.53
40-44	12.27	14.49	16.81
45-49	10.20	12.01	14.31
50-54	8.26	9.95	11.84
55-59	6.57	7.93	9.60
60-64	5.13	6.14	7.45
65+	9.39	11.39	13.93
Total	**210.13**	**227.35**	**242.05**

Source: GoP (2015). *Pakistan Economic Survey, 2014-15*, Economic Adviser's Wing, Ministry of Finance, Islamabad

54. **(Logical Reasoning):** Which age group shows the highest percentage increase in population from 2020 to 2030?

    a. 00-04
    b. 15-19
    c. 65+
    d. 40-44

55. **(Logical Reasoning):** Which age group has the smallest population in 2030?

    a. 00-04
    b. 55-59
    c. 60-64
    d. 65+

56. **(Critical Thinking):** Considering the age group 30-34 years, which statement is accurate based on the population data from 2020 to 2030?

    a. The population remains constant.
    b. The population decreases steadily.
    c. The population increases, then decreases.
    d. The population increases steadily.

57. **(Critical Thinking):** Analyze the population data for the age group 45-49 years from 2020 to 2030. What can be inferred about this age group?

    a. The population decreases then increases.
    b. <mark>The population increases steadily.</mark>
    c. The population remains unchanged.
    d. The population decreases steadily.

58. **(Problem Solving):** If the population of the age group 20-24 years decreases from 2020 to 2025 but increases again by 2030, what is the net change in population for this age group from 2020 to 2030?

    a. -0.10 million
    b. 0.09 million
    c. <mark>1.09 million</mark>
    d. 2.09 million

59. By how much is the population of children under 15 years of age projected to decrease between 2025 and 2030?

    a. 1.46 million
    b. <mark>2.26 million</mark>
    c. 1.98 million
    d. 0.96 million

60. What is the projected percentage of young people (aged 15-24) in Pakistan in 2030?

    a. 15.94%
    b. 16.32%
    c. <mark>17.92%</mark>
    d. 18.50%

Instructions: Figure 3.1 presents the distribution of income and wealth in Pakistan by deciles, revealing that the distribution of wealth is relatively more unequal than the distribution of income. Answer the following questions:

Figure 3.1: Share of households in wealth and income across deciles in Pakistan, 2013-14
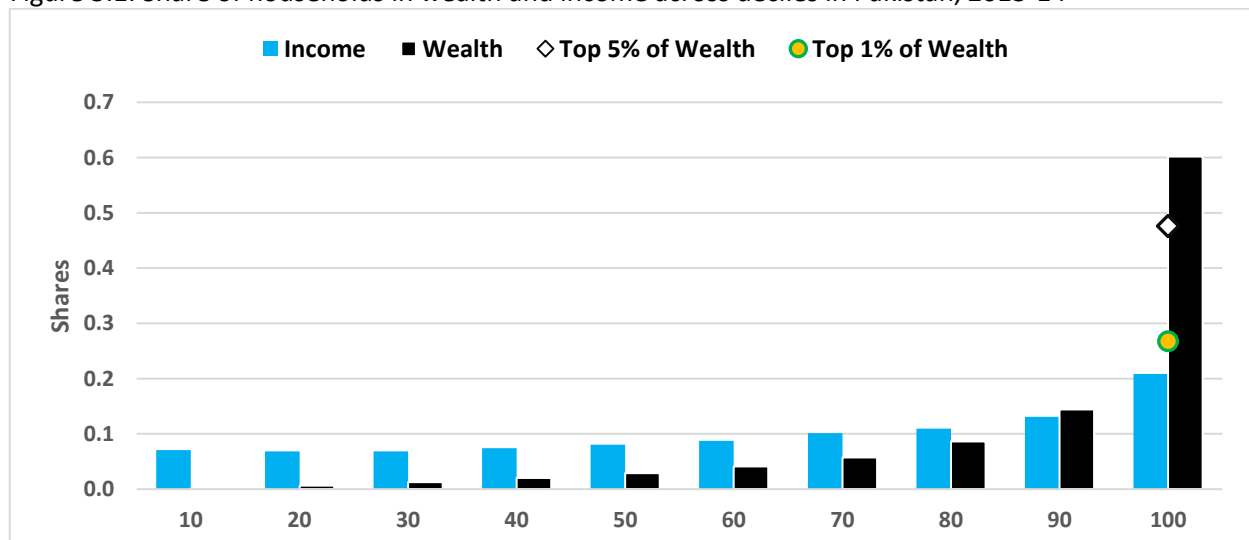
Source: Calculations based on Pakistan Social & Living standard Measurement Survey (PSLM) 2013-14

61. According to Figure 3.1, what is the share of the top 1 percent of households in total wealth in Pakistan?

    a. 8%
    b. 10%
    c. 15%
    d. 20%

62. What is the share of the top 5 percent of households in total wealth in Pakistan?

    a. 20%
    b. 25%
    c. 30%
    d. 48%

63. What is the share of the top 10 percent of households in total wealth in Pakistan?

    a. 45%
    b. 50%
    c. 55%
    d. 60%

64. How does the income share of the top 10 percent of households compare with the wealth share of the top 10 percent of households in percentage terms?

    a. Income share is 39% less than wealth share
    b. Income share is 15% less than wealth share
    c. Income share is 20% less than wealth share
    d. Income share is 25% less than wealth share
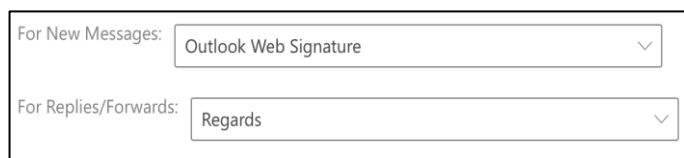
65. Based on the distribution of wealth and income by deciles in Pakistan, which decile shows the greatest disparity between income and wealth shares?

    a. Bottom 10%
   b. Middle 50%
    c. Top 5%
    d. Top 10%

Section 4: IT Skills

Instructions: Please complete the multiple-choice questions below.

66. You have gathered data of out-of-school children. You would like to see their region-wide distribution. Which of the following tools will you use?

    a. Adobe notepad
    b. Power point
    c. Spreadsheets
    d. Word processors

67. You are using Microsoft 365 and have prepared a report on EOBI data for employees who are eligible for benefits. Due to the inclusion of graphics and images, the file size has exceeded 50 MB. How can you share this file with your colleagues while staying within the Microsoft environment?

    a. Store on Google Drive
    b. Store on Microsoft Databank
    c. Store the file on iCloud Drive.
    d. Store the file on OneDrive.

68. What is Chat GPT?

    a. It is a large language model that relies on human operators to provide answers.
    b. It is a large language model that uses artificial intelligence to generate answers.
    c. It is a social media platform that uses artificial intelligence to generate answers.
    d. It is an online chatting application that helps users of an e-commerce company GPT to connect to its customer service center.

69. You are using Outlook under MS Office 365 to write an email to your staff officer. You would like to use full signatures for new messages compared to initials for replies or forwarding messages as shown in the figure below. Which menu option or icon will you click to take this action?

    a. View menu
    b. Settings icon
   c. OneNote icon
    d. Bell icon
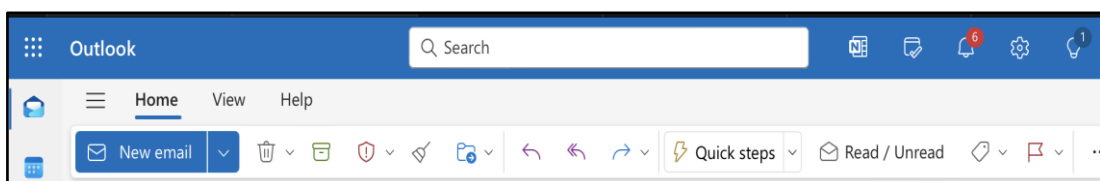
70. You are editing the header of a document and are required to exclude the header from the title page of the document. Which one of the following options will you select?

    a. Close Header and Footer
    b. Header
    c. Different First Page
    d. Header from Top

71. You have prepared a survey report that you would like to send to the Secretary as an attachment to your email. Which navigation menu options will you use to attach this document?

   a. View
    b. Message
    c. Insert
    d. Options
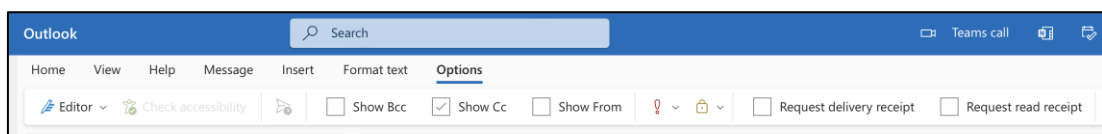
72. In some cases, unauthorized people need to be prevented from accessing and editing documents. For a Microsoft document:

    a. You can "Protect Document" or "Encrypt with Password" option to stop a file from revealing its filename extension.
    b. You can use "Protect Document" or "Encrypt with Password" option to set different passwords, one to open a document and other to modify a document.
    c. You can use password to stop a file from being emailed.
    d. You cannot set passwords for opening and modifying a document.

73. The difference between Transitions and Animations is:

    a. A transition is a special effect that applies to a single element on a slide such as text, a shape, an image, and so on. Whereas an animation is the special effect that occurs when you exit one slide and move on to the next during a presentation.
    b. An animation is a special effect that applies to a single element on a slide such as text, a shape, an image, and so on. Whereas a transition is the special effect that occurs when you exit one slide and move on to the next during a presentation.
    c. An animation is a special effect that applies to multiple elements on a slide when you exit a slide and move on to the next during a presentation. Whereas a transition is the special effect that occurs when you click on a single element on a slide.
    d. An animation is applied to the whole slide, and it is possible for a slide to have multiple transitions effects on it.
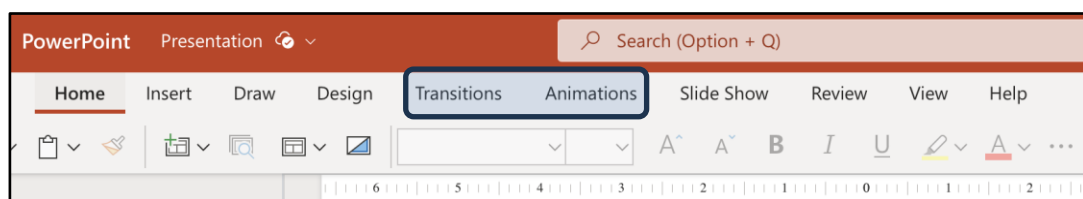
74. In MS Word, what is meant by the concept of WYSIWYG?

   a. What You Seek Is What You Get

   b. What You See Is What You Get

   c. What You Spend Is What You Give

   d. What You Seek Is What You Gather

75. In MS Word, what does Justify option do?

   a. It aligns the text to both left and right margin.

   b. It aligns the text to center.

   c. It aligns the text to the left margin.

   d. It aligns the text to the right margin.

76. Major difference between X and Instagram is:

   a. Instagram does not have a feature like X stories.

   b. Instagram is a short-form news and social media site famous for its strict character limit on all posts, whereas X is a social media platform aimed primarily at sharing media.

   c. Instagram is a social media platform aimed primarily at sharing media, whereas X is a short-form news and social media site famous for its strict character limit on all posts.

   d. While Instagram aligns better with content comprised of text, X generally favors visual content such as images and videos.

77. In MS Word 365 there is a menu option "Turnitin". What is the purpose of this option?

   a. Turnitin is a pre-configured application to be used in Microsoft Word 365 Online for turning documents into a presentation.

   b. Turnitin is a tool that empowers the user to do their work without being detected.

   c. Turnitin is an Internet-based plagiarism detection service that helps the users in plagiarising their work.

   d. Turnitin is a plagiarism detection software that scans documents for matched text by comparing them with publications kept in a secret database.
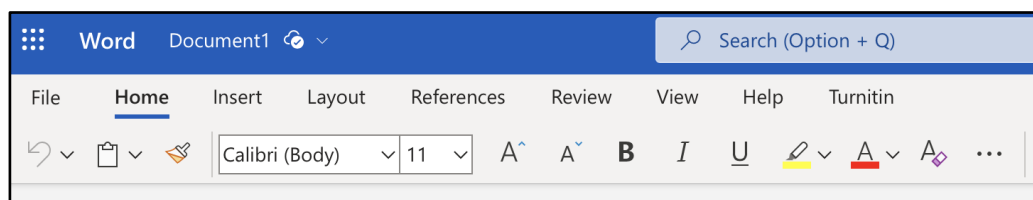
78. Given the data in a spreadsheet shown, what formula is used in cell D8 that when copied to cell E8 gives the values as shown.

   a. = AVERAGE($D$3:$D$7)

   b. = AVERAGE(D3:D7)

   c. = MEAN($D$3:$D$7)

   d. = MEAN(D3:D7)

	C	D	E
2	Pensioner ID	Amount Paid (PKR)	Deductions (PKR)
3	101	43,098	1034
4	102	37,890	2893
5	103	36,542	989
6	234	47,290	3475
7	272	50,098	2021
8	Mean	42,984	2,082

79. Which of the following applications are used for Internet browsing?

    a. Google chrome
    b. Microsoft safari
    c. Apple explorer
    d. Foxpro DB

80. "Keep Source Formatting", "Match Formatting", and "Keep Text Only" are options of which menu command in Microsoft Word?

    a. Edit
    b. Format
    c. Layout
    d. Paste

81. Internet of Things (IoT) is:

    a. About computerized gadgets that could be accessed on the Internet.
    b. About household electronic items that could be accessed via the Internet.
    c. About surveillance cameras that could be accessed via the Internet.
    d. All of the above.

82. Formulas in Excel start with

    a. %
    b. =
    c. +
    d. –

83. Which of the following allows you to automatically move messages you receive into folders based on specified criteria?

    a. Action
    b. Exception
    c. Rule
    d. Formula

84. If mouse is clicked over the 'Sign in" tag, which page is expected to be opened?

    a. A page asking for username and password
    b. A page asking the user to register first
    c. A page asking the user to sign a declaration
    d. A page informing the user about the signing authority

| About LUMS | Create Account | Sign in |

85. In the context of computers what is 'WiFi'?
    a. Wireless Functionality
    b. Weird Functions
    c. Wireless Fidelity
    d. Winning Fidelity