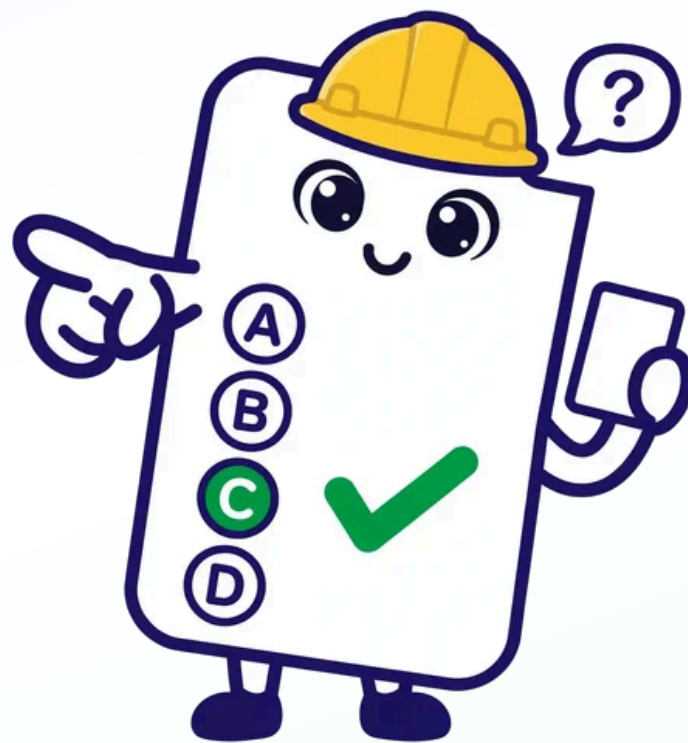




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A full model paper in the real Government Software Engineer Test pattern, with answer key



100 MCQs

Real Government Software Engineer Test subject split

Answer key + online explanations

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100 MCQs across one paper, each drawn in the same subject split as the real Government Software Engineer Test paper:

- Software Engineering: 60 MCQs per paper
- Computer Science and IT: 21 MCQs per paper
- English: 5 MCQs per paper
- General Knowledge: 5 MCQs per paper
- Pakistan Studies: 4 MCQs per paper
- Pakistan Current Affairs: 3 MCQs per paper
- Islamic Studies: 2 MCQs per paper



MODEL PAPER 1 OF 1

Government Software Engineer Test

100 MCQs · 120 minutes · answer key at the back



Software Engineering

60 MCQs

1. Which of the following is not a functional reliability requirement for a system ?

- ☐ A Checking requirements
- ☐ B Recovery requirements
- ☐ C Redundancy requirements
- ☐ D Ambiguous requirements

2. To deliver a message to the correct application program running on a host, the _____ address must be consulted ?

- ☐ A IP
- ☐ B MAC
- ☐ C Port
- ☐ D None of these

3. A program used to detect overall system malfunction is _____ ?

- ☐ A Utilities
- ☐ B System diagnostics
- ☐ C System analysis
- ☐ D System software

4. A removable magnetic disc that holds information _____ ?

- ☐ A Floppy disk
- ☐ B Hard drive
- ☐ C Monitor
- ☐ D Portable

5. Which method do you invoke on the Data Adapter control to load your generated dataset ?

- ☐ A Fill()
- ☐ B Read()
- ☐ C ExecuteQuery()
- ☐ D None of these

6. Which of the following commands is used to view your file 24 lines at a time ?

- ☐ A pg
- ☐ B cat
- ☐ C lp
- ☐ D /p

7. Consider the following Statement: "The data set will contain an end of file character." What characteristic of SRS is being depicted here ?

- ☐ A Consistent
- ☐ B Non-verifiable
- ☐ C Correct
- ☐ D Ambiguous

8. Which of the following is not a part of Software Configuration Management Basics ?

- ☐ A Identification
- ☐ B Version
- ☐ C Auditing and Reviewing
- ☐ D Status Accounting

9. According to ISO 9001, the causes of nonconforming product should be _____?

- (A) deleted
- (B) eliminated
- (C) identified
- (D) eliminated and identified

10. Which class can be used to perform data type conversion between .NET data types and XML types?

- (A) XmlSettings
- (B) XmlConvert
- (C) XmlCast
- (D) XmlType

11. All the following are storage device except _____?

- (A) Floppy Disc
- (B) Monitor
- (C) Tape Drive
- (D) CD

12. Instructions and memory addresses are represented by _____?

- (A) binary word
- (B) parity bit
- (C) binary codes
- (D) character codes

13. All raw data types should be read and uploaded to the database as an array of _____?

- (A) int
- (B) byte
- (C) char
- (D) bollean

14. Which on of the following is not an agile method?

- (A) XP
- (B) 4GT
- (C) AUP
- (D) All of the mentioned

15. Choose the disadvantage of using SSM as an elicitation technique?

- (A) It incorporates human element into design
- (B) SSM is in its infant stage
- (C) SSM is suitable for new systems
- (D) Standard methodologies like Role Exploration, Issue Resolution and Reorganization support SSM

16. Who defines the business issues that often have significant influence on the project?

- (A) Practitioners
- (B) Project managers
- (C) Senior managers
- (D) None of the mentioned

17. Which of the following is not a part of Execution Flow during debugging?

- (A) Step Over
- (B) Step Into
- (C) Step Up
- (D) Step Out

18. Once information is input into a computer it becomes _____?

- (A) objects
- (B) data
- (C) ideas
- (D) facts

19. Job Control Language (JCL) statements are Used to _____?

- ☐ A Allocate the CPU to a job
- ☐ B Specify, to the operating system, the beginning and end of a job in a batch
- ☐ C Read the input from the slow-speed card reader to the high-speed magnetic disk
- ☐ D All of the above

20. An algorithm is best described as _____?

- ☐ A A computer language
- ☐ B A branch of mathematics
- ☐ C A step by step procedure for solving a problem
- ☐ D All of the above

21. A data item which is not broken down into smaller units is _____?

- ☐ A Database management
- ☐ B Data element
- ☐ C Data entry
- ☐ D Elementary data item

22. Remote batch processing has the following characteristic(s) _____?

- ☐ A Data is entered online.
- ☐ B Data is collected in batches.
- ☐ C Data is processed at a later time.
- ☐ D All of the above

23. The process of requirements discovery consists of the following activities, except _____?

- ☐ A requirements management
- ☐ B sampling of existing documentation, forms and files
- ☐ C requirements discovery
- ☐ D problem discovery and analysis

24. Which software project sizing approach develop estimates of the information domain characteristics ?

- ☐ A Function point sizing
- ☐ B Change sizing
- ☐ C Standard component sizing
- ☐ D Fuzzy logic sizing

25. _____ states that, where appropriate, adequate statistical techniques are identified and used to verify the acceptability of process capability and product characteristics?

- ☐ A ISO 9001
- ☐ B ISO 9000-4
- ☐ C CMM
- ☐ D All of the mentioned

26. The range of frequencies available for data transmission is known as _____?

- ☐ A Bandwidth
- ☐ B Bug
- ☐ C Bus
- ☐ D Bits

27. Which of the following is the worst type of module cohesion ?

- (A) Logical Cohesion
- (B) Temporal Cohesion
- (C) Functional Cohesion
- (D) Coincidental Cohesion

28. Computers use the _____ language to process data ?

- (A) representational
- (B) binary
- (C) processing
- (D) kilobyte

29. Which method do you invoke on the DataAdapter control to load your generated dataset with data ?

- (A) DataBind
- (B) DataList
- (C) Fill()
- (D) Load ()

30. The first generation computer used _____ for circuitry ?

- (A) Transistor
- (B) IC
- (C) Magnetic Core
- (D) Vacuum Tubes

31. Who controls the FAST (Facilitated Application Specification Techniques) meeting ?

- (A) System Analyst
- (B) Scribe
- (C) Facilitator
- (D) Manager

32. A listing of the names and addresses of all the employees for an organization would be an example of a(n) _____ ?

- (A) detailed report
- (B) summary report
- (C) external report
- (D) exception report

33. ITG stands for _____ ?

- (A) instantaneous test group
- (B) integration testing group
- (C) individual testing group
- (D) independent test group

34. Which of the following ASP.NET object encapsulates the state of the client ?

- (A) Application object
- (B) Session object
- (C) Server object
- (D) Response object

35. A specification of how the user moves from window to window, interacting with the application programs to perform useful work is called _____ ?

- (A) interface specifications
- (B) software specifications
- (C) user dialog
- (D) prototyping specifications

36. A step by step instruction used to solve a problem is known as _____ ?

- (A) Sequential structure
- (B) A List
- (C) A plan
- (D) An Algorithm

37. Which part of a computer helps to store information ?

- ☐ A Disk drive
- ☐ B Keyboard
- ☐ C Monitor
- ☐ D Printer

38. Which of these benefits can be achieved when software is restructured ?

- ☐ A Higher quality programs
- ☐ B Reduced maintenance effort
- ☐ C Software easier to test
- ☐ D All of the mentioned

39. Which of the following is a way of making a statement about the elements of a set that is true for every member of the set ?

- ☐ A Set
- ☐ B Sequence
- ☐ C Universal quantification
- ☐ D Both Set and Sequence

40. Decision makers who are concerned with tactical (short-term) operational problems and decision making are_____?

- ☐ A middle managers
- ☐ B executive managers
- ☐ C supervisors
- ☐ D mobile managers

41. What do you understand by V&V in software testing ?

- ☐ A Verified Version
- ☐ B Version Validation
- ☐ C Verification and Validation
- ☐ D Version Verification

42. What category of web-based system would you assign to electronic shopping ?

- ☐ A Informational
- ☐ B Interactive
- ☐ C Transaction-oriented
- ☐ D Workflow-oriented

43. Automatic type conversion in Java takes place when_____?

- ☐ A Two type are compatible and size of destination type is equal of source type.
- ☐ B Two type are compatible and size of destination type is larger than source type.
- ☐ C Two type are compatible and size of destination type is shorter than source type.
- ☐ D All of the above

44. Object which can store group of other objects is called_____?

- ☐ A Package
- ☐ B Wrapper
- ☐ C Java object
- ☐ D Collection object

45. A list of the names of all customers who purchased only one product within a six-month period would be an example of a(n)_____?

- ☐ A detailed report
- ☐ B summary report
- ☐ C exception report
- ☐ D external report

46. Which of the following commands is used to rename a file ?

- ☐ A rename
- ☐ B remove
- ☐ C mv
- ☐ D ren

47. Consider the following Statement: "The product should have a good human interface." What characteristic of SRS is being depicted here ?

- ☐ A Consistent
- ☐ B Non-Verifiable
- ☐ C Correct
- ☐ D Ambiguous

48. What is used to determine the recommended degree of rigor with which the software process should be applied on a project ?

- ☐ A Degree of Rigor
- ☐ B Adaptation criteria
- ☐ C Task Set
- ☐ D Both degree of Rigor and adaptation criteria

49. Which testing integrates the set of classes required to respond to one input or event for the system?

- ☐ A cluster testing
- ☐ B thread-based testing
- ☐ C use-based testing
- ☐ D none of the mentioned

50. Mode of storing ASP.NET session _____ ?

- ☐ A StateServer
- ☐ B SQL Server
- ☐ C InProc
- ☐ D All of the above Try CAD Software

51. _____ tools assist in the planning, development, and control in CASE ?

- ☐ A Dynamic measurement
- ☐ B Data acquisition
- ☐ C Test management
- ☐ D Cross-functional tools

52. The difference between memory and storages is that memory is _____ and storage is _____ ?

- ☐ A Permanent, temporary
- ☐ B Temporary, permanent
- ☐ C Slow, fast
- ☐ D Fast, slow

53. A memory that contains a fine pattern of data permanently defined is _____ ?

- ☐ A EPROM
- ☐ B RAM
- ☐ C ROM
- ☐ D PROM

54. What sign is used to back over typing errors in vi ?

- (A) !
- (B) \$
- (C) #
- (D) @

55. Which activity sits at the core of software requirements analysis ?

- (A) Problem decomposition
- (B) Partitioning
- (C) Problem elaboration
- (D) All of the mentioned

56. A graphical technique for finding if changes and variation in metrics data are meaningful is known as _____?

- (A) DRE (Defect Removal Efficiency)
- (B) Function points analysis
- (C) Control Chart
- (D) All of the mentioned

57. Function Point Computation is given by the formula _____?

- (A) $FP = [count\ total * 0.65] + 0.01 * sum(Fi)$
- (B) $FP = count\ total * [0.65 + 0.01 * sum(Fi)]$
- (C) $FP = count\ total * [0.65 + 0.01] * sum(Fi)$
- (D) $FP = [count\ total * 0.65 + 0.01] * sum(Fi)$

58. To go to the beginning of a text line press _____?

- (A) Home
- (B) Page up
- (C) Enter
- (D) None of these

59. What is the standard code the computer industry created to represent characters ?

- (A) DASI
- (B) ASCII
- (C) BASCII
- (D) EPROM

60. A CD-ROM disk _____?

- (A) cannot be erased and rewritten
- (B) has more storage capacity than CD-R
- (C) holds less data than a floppy disk
- (D) can be written only once



Computer Science and IT

21 MCQs

61. In MS Word, Which of the following commands should you always use to check mistakes before submitting a document to others?

- (A) find command
- (B) Replace command
- (C) Spelling and Grammar
- (D) Thesaurus

62. Which of the following are not general characteristics of the relation?

- ☐ A Each row is unique
- ☐ B The order column is significant
- ☐ C The order of rows is insignificant
- ☐ D Columns are all elemental or atomic

63. Which of the following is a pointing device?

- ☐ A Mouse
- ☐ B Key Board
- ☐ C Both (a) and (b)
- ☐ D None of the above

64. Which of the following operators take only one operand to perform an operation?

- ☐ A Assignment Operator
- ☐ B Binary Operator
- ☐ C Unary Operators
- ☐ D Ternary Operator

65. All of the following are examples of real security and privacy risks EXCEPT _____?

- ☐ A hackers
- ☐ B Spam
- ☐ C Viruses
- ☐ D identity theft

66. Which of the following device uses the parallel transmission?

- ☐ A Mouse
- ☐ B Keyboard
- ☐ C Printer
- ☐ D Light Pen

67. Which among following is not associated with spelling dialogue box?

- ☐ A Edit
- ☐ B Ignore All
- ☐ C Ignore
- ☐ D Change

68. Which is not included in the definition of entity board?

- ☐ A Person
- ☐ B Object
- ☐ C Action
- ☐ D Concept

69. Which of the following is not a part of the computer system?

- ☐ A Keyboard
- ☐ B Scanner
- ☐ C Printer
- ☐ D Air Conditioner

70. Angular is framework of _____?

- ☐ A Php
- ☐ B javaScript
- ☐ C Python
- ☐ D None

71. The method of controlling access to the shared network is called

- ☐ A Token passing
- ☐ B Circulating token
- ☐ C Sharing token
- ☐ D TCP/IP

72. The component used to connect processors with input and output devices is:

- (A) Control unit
- (B) RAM (Random Access Memory)
- (C) Bus interconnection
- (D) ALU (Arithmetic Logic Unit)

73. The file type _____ indicates the file is a Word document.

- (A) .msw
- (B) .wor
- (C) .wrd
- (D) .docx

74. When any data value of an attribute can be expressed as "yes/no" is called

- (A) Mutually Exclusive
- (B) Redundant Information
- (C) Homonyms
- (D) Determinant

75. The process of reproducing multiple copies of a document is known as

- (A) Backup
- (B) Reproduction
- (C) Reprographics
- (D) All of the above

76. What is the first character of a variable name allowed to be in C programming?

- (A) Letter
- (B) Under score (_)
- (C) Digit (0-9)
- (D) Both (a) and (b)

77. Main advantage of coaxial cable has over twisted paired cable is to operate:

- (A) Low frequencies
- (B) High frequencies

78. CRT is the technology used in a: _____?

- (A) Mouse
- (B) Monitor
- (C) Trojan Horse
- (D) None of these

79. Why we use clear formatting in MS Word?

- (A) To Clear all shapes
- (B) To Clear all data
- (C) Clear the formatting from the text
- (D) To Clear text

80. Duplicate data in multiple data files is:

- (A) Data redundancy
- (B) Data multiplication
- (C) Data Integrity
- (D) Normalization

81. What is the difference between RAM and ROM?

- (A) RAM is volatile, ROM is non-volatile
- (B) RAM is non-volatile, ROM is volatile
- (C) Both are volatile
- (D) Both are non-volatile



English

5 MCQs

82. Aslam likes to stay _ home and watch tv shows.

- ☐ A In
- ☐ B On
- ☐ C At
- ☐ D Within

83. In each of the following question, four alternative sentences are given. Choose the CORRECT one and fill the Circle corresponding to that letter in the MCQ Respsen Form.

- ☐ A As she said the computer was programmed by Mona.
- ☐ B Just like she said the computer was programmed by Mona.
- ☐ C As like she said the computer was programmed by Mona.
- ☐ D Just like she had she said the computer was programmed by Mona.

84. A _ is a person who is dissatisfied and inclined to rebel.

- ☐ A Delinquent
- ☐ B Revolutionary
- ☐ C Pessimist
- ☐ D Nonconformist

85. Identify the mistake that needs to be corrected. Stevens was very delighted to see that he was declared more popular than any talk show just in the USA.

- ☐ A Very
- ☐ B To see that
- ☐ C Than any
- ☐ D The USA

86. Choose the correct answer:

- ☐ A Since he came, we had happily married.
- ☐ B Since he had came, we're happily married.
- ☐ C Since he came, we've been happily married.
- ☐ D Since he came, we're happily married.



General Knowledge

5 MCQs

87. In which year Smart Card (Smart National Identity Card) Issued in Pakistan?

- ☐ A 2010
- ☐ B 2011
- ☐ C 2012
- ☐ D 2014 Knowledge Management

88. Which of the following is the longest route of Pakistan Railways?

- ☐ A Kotri to Attock line
- ☐ B Karachi to Peshawar line
- ☐ C Rohri to Chaman line
- ☐ D Quetta to Taftan line

89. 'A Dream for Peace' is the most surprising Ambassador's Memoir written by?

- ☐ A Henry Kissinger
- ☐ B Hussain Haqani
- ☐ C Ghulam Berrah
- ☐ D D H Allen

90. The _____ campaign was a counterinsurgency operation which was carried out by Ba'athist Iraq from February to September 1988 during the Iraqi-Kurdish conflict at the end of the Iran-Iraq War.

- (A) Anfal
- (B) Ahzab
- (C) Darul Badar
- (D) Boko Haram

91. On every 10 December, the Noble peace prize is awarded in?

- (A) USA
- (B) Norway
- (C) Rome
- (D) None of these



Pakistan Studies

4 MCQs

92. "Hujjatullah ul Baligha " was written by?

- (A) Syed Ahmed bralivi
- (B) Sir Syed Ahmad Khan
- (C) Shah Wali Ullah
- (D) None Of These

93. Last Constitution in Pakistan was enforced on _____?

- (A) 23rd March 1973
- (B) 14th August 1973
- (C) 8th June 1973
- (D) 27th October 1973

94. The Tashkent declaration between Pakistan and India was signed on?

- (A) 1 January 1966
- (B) 10 January 1966
- (C) 20 January 1966
- (D) 1 February 1966

95. The world's longest glacial system outside the polar regions (the Biafo Glacier) is located in _____?

- (A) America
- (B) Canada
- (C) Iceland
- (D) Pakistan



Pakistan Current Affairs

3 MCQs

96. Former Prime Minister Imran Khan raised _____ funds through an international telethon for flood-affected people ?

- (A) Rs3 billion
- (B) Rs5 billion
- (C) Rs7 billion
- (D) None of These

97. Which controversial clause in the amended Election Bill 2017 allows disqualified politicians to hold a public office or to lead a political party?

- (A) Clause 17
- (B) Clause 203
- (C) Clause 45
- (D) Clause 208

98. Pakistan and China have signed an agreement for _____ railway track on 28th April, 2019.

- (A) Pak-China Express Train
- (B) ML-1
- (C) MS-5
- (D) PC-1



Islamic Studies

2 MCQs

99. Who destroyed idol "Manat"?

- (A) Hazrat Khalid Bin Walid R.A
- (B) Hazrat Umar Ibn Al As R.A
- (C) Hazrat Saad Bin Zaid R.A
- (D) Hazrat Ali R.A

100. Which of the following the Quran considers as an unpardonable sin?

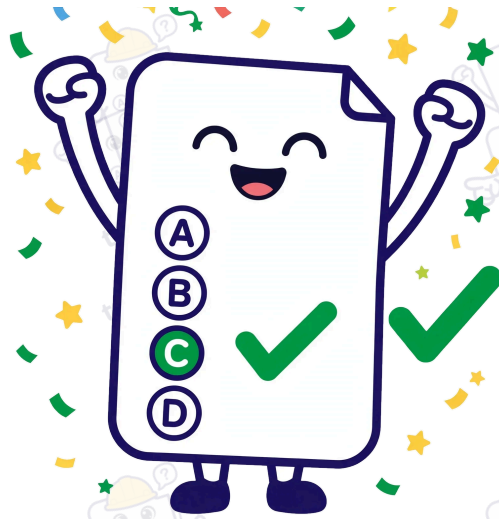
- (A) Lie
- (B) Jealousy
- (C) Shirk
- (D) Hypocrisy

Answer key

Tap any answer to open its full explanation on TestUstad.

Model Paper 1

1	D	2	C	3	B	4	A	5	A	6	A	7	B	8	B	9	D	10	B
11	B	12	C	13	B	14	B	15	B	16	C	17	C	18	B	19	B	20	C
21	D	22	D	23	B	24	A	25	A	26	A	27	D	28	B	29	C	30	D
31	C	32	A	33	D	34	B	35	C	36	D	37	A	38	D	39	C	40	A
41	C	42	C	43	B	44	D	45	C	46	C	47	B	48	B	49	B	50	D
51	C	52	B	53	C	54	C	55	D	56	C	57	B	58	A	59	B	60	A
61	C	62	B	63	C	64	C	65	B	66	C	67	A	68	C	69	D	70	B
71	A	72	C	73	D	74	B	75	C	76	D	77	B	78	B	79	C	80	A
81	A	82	C	83	A	84	D	85	C	86	C	87	C	88	B	89	C	90	A
91	B	92	C	93	B	94	B	95	D	96	B	97	B	98	B	99	C	100	C



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