

BABA FARID UNIVERSITY OF HEALTH SCIENCES, FARIDKOT

Programmer Gr. II
(under Baba Farid University of Health Sciences, Faridkot)

QUESTION BOOKLET

THUMB IMPRESSION OF THE CANDIDATE

OMR ANSWER SHEET

ROLL NO:

--	--	--	--	--	--	--	--

FULL SIGNATURE OF THE CANDIDATE

Coordinator stamp

FULL SIGNATURE OF INVIGILATOR

Time Allowed: 1:00 Hour (11:00 AM to 12:00 Noon)

Maximum Marks: 50

1. Use BLACK FINE TIP BALL PEN only. Use of pencil is not allowed.
2. Write your Roll number on the OMR answer-sheet and also on the question-booklet only in the space provided for the purpose and at no other place in the question booklets and Answer-sheet
3. Enter the Question Booklet Set and Number on the OMR Answer-sheet and also darken the corresponding bubbles with BLACK FINE TIP BALL PEN.
4. Do not put any marks anywhere in the Question booklet /on the OMR Answer-sheet.
5. **There are 50 objective type questions in all of 1 Mark each.** Before attempting the questions, check that the Question-booklet is complete. In case any question/part of question or page is missing, inform the Centre Superintendent within 5 minutes of the start of the examination. After that no claim will be entertained.
6. **Each question is followed by four alternative responses listed as A), B), C) and D) out of which only one is correct / most correct. In case, all the ovals are left blank, there will be deduction of marks @ 0.25 mark for each such unattempted question. Fifth oval 'E' (introduced for security purpose) is to be darkened in case you do not want to attempt the question to avoid negative marking.**
7. To open the question booklet, remove the seal gently when asked to do so. Handover the OMR Answer-sheet to the officer on duty on the completion of the time before you leave the examination hall.
8. **The candidates are permitted to carry his/her question booklet after completion of the examination but OMR Sheets are compulsory required to be deposited with the invigilator.**
9. A candidate who create disturbance of any kind or changes his/her seat or is found in possession of any paper possibility of any assistance to him/her or unfair means will be expelled from the examination by the Centre superintendent/Observer, whose decision shall be final. ("Expulsion" for this purpose would mean cancellation of the entire examination of the candidate).
10. **THE CANDIDATES ARE NOT PERMITTED TO CARRY ANY TELECOMMUNICATION EQUIPMENT SUCH AS WATCH, CELLULAR PHONE, WIRELESS SET, SCANNER ETC. INSIDE THE EXAMINATION HALL.**
11. For rough work, use only the blank space of the Question booklet.
12. The candidates will not be allowed to leave the examination hall during the examination.
13. Borrowing any material is not allowed.
14. The answer-sheet is designed for Computer evaluation. If the instructions are not followed properly, the candidate alone shall be responsible for the resultant loss.
15. Smoking/Refreshment shall not be allowed in the Entrance Test Centre/Hall.
16. Male candidates shall affix their Left Thumb Impression (LTI) while Female candidates shall affix Right Thumb Impression (RTI) at the prescribed place on the OMR answer sheet, Question Booklet and attendance sheet. The Centre superintendent shall also obtain and retain it for record.
17. The candidate must fill both the question booklet number and OMR answer sheet number on the attendance sheet.
18. No candidate shall be allowed to leave the centre before **12:00 Noon.**

1. What is the purpose of a compiler in programming?
 - a) To execute a program
 - b) To translate high-level code into machine code
 - c) To edit code
 - d) None of these
2. Which of the following data structures uses the Last In First Out (LIFO) principle?
 - a) Array
 - b) Queue
 - c) Stack
 - d) Linked List
3. Which of the following is a valid variable name in most programming languages?
 - a) 123variable
 - b) variable_name
 - c) variable-name
 - d) variable name
4. What does the term "syntax" refer to in programming?
 - a) The logic of the code
 - b) The runtime of the program
 - c) The set of rules defining how a program must be written
 - d) The speed of the program execution
5. Which programming language is known for its use in web development and has frameworks like React and Angular?
 - a) Python
 - b) Java
 - c) JavaScript
 - d) C++
6. In object-oriented programming, what is "inheritance"?
 - a) The process of creating an object
 - b) The concept where one class derives properties and behavior from another class
 - c) The method of destroying an object
 - d) The technique of writing code in one line
7. Which of the following is not a relational database management system (RDBMS)?
 - a) MySQL
 - b) PostgreSQL
 - c) MongoDB
 - d) SQLite
8. What does the acronym 'API' stand for?
 - a) Application Programming Interface
 - b) Automated Program Integration
 - c) Applied Programming Interaction
 - d) Asynchronous Programming Interface
9. Which of the following is used to iterate over a sequence of elements in a programming language?
 - a) Function
 - b) Loop
 - c) Variable
 - d) Class
10. In SQL, which command is used to retrieve data from a database?
 - a) INSERT
 - b) UPDATE
 - c) DELETE
 - d) SELECT

11. In which addressing mode, the effective address of the operand is generated by adding a constant value to the contents of register?
- absolute mode
 - index mode
 - indirect mode
 - immediate mode
12. What is the default port number for HTTP?
- 21
 - 80
 - 443
 - 8080
13. Which of the following is a popular NoSQL database?
- Oracle
 - PostgreSQL
 - Redis
 - SQL Server
14. Which of the following is an example of a logical operator in programming?
- &&
 - ==
 - +=
 - ||
15. What is recursion in programming?
- A technique of writing loops
 - A function calling itself
 - An error in the code
 - A method to execute a program
16. Select grammatically correct sentence:
- Neither of the options is suitable for the project.
 - Neither of the options are suitable for the project.
 - Neither of the option is suitable for the project.
 - Neither of the option are suitable for the project.
17. Which of the following sentences uses the subjunctive mood correctly?
- If he was taller, he could reach the shelf.
 - If they was working harder, they would succeed.
 - If she were here, she would help us.
 - If I was you, I would take the job.
18. Use the correct form of verb in the following sentence:
"She wishes that he _____ more considerate."
- is
 - are
 - was
 - were
19. Identify the error in the sentence:
"The committee has finished their discussion and is ready to announce their decision"
- The committee
 - has
 - finished
 - their discussion

20. Identify the infinitive phrase from the following sentences:

- a) To travel around the world is her dream.
- b) She enjoys swimming in the lake.
- c) The book on the table is mine.
- d) He went to the store yesterday.

Direction (Ques 21 to 25): Read the passage carefully and answer the following question: Archaeology, often described as the study of human history and prehistory through the excavation of artifacts and the analysis of material remains, is a discipline that unveils the mysteries of ancient civilizations and cultures. Through meticulous excavation techniques and scientific analysis, archaeologists piece together the story of humanity's past, shedding light on the various aspects of ancient life, including social structures, economic systems, religious beliefs and technological advancement. The field of archaeology encompasses a diverse range of specialties, including classical archaeology explores submerged sites, revealing sunken ships, ports, and even entire cities, while forensic archaeology applies archaeological methods to legal investigations, aiding in the recovery of evidence from the crime scenes. Archaeological research involves a multidisciplinary approach, drawing upon expertise from fields such as anthropology, geology, biology, and chemistry. Advanced technologies like LiDAR (Light Detection and Ranging) and ground – penetrating radar have revolutionized archaeological

surveying, allowing researchers to map ancient landscapes and detect buried structure without excavation. Furthermore, advancements in DNA analysis enable archaeologists to trace human migration patterns and genetic relationships among ancient populations. Despite its contributions to our understanding of the past, archaeology also faces challenges, including ethical considerations surrounding the excavation and preservation of the cultural heritage, as well as the threat of looting and illegal trafficking of antiquities. Efforts to promote community engagement, collaboration with the indigenous peoples, and responsible stewardship of archaeological sites are essential for the sustainable practice of archaeology in the modern world.

21. What does forensic archaeology apply archaeological methods to?
- a) Economic analysis
 - b) Military strategies
 - c) Medical diagnosis
 - d) Legal investigation
22. What practices are essential for the sustainable practice of archaeology?
- a) Collaboration with the indigenous peoples
 - b) Commercialization of Artifacts
 - c) Exclusive focus on excavation
 - d) Rapid development of sites

23. What threat does archeology face regarding cultural heritage?
- Climate change
 - Lack of public interest
 - Political instability
 - Looting and illegal trafficking of antiquities
24. Which advanced technology allows archaeologists to map ancient landscapes and detect buried structure without excavation?
- LiDAR
 - DNA analysis
 - Carbon dating
 - Satellite imaging
25. What is a specialty within archaeology that focuses on the distant past before written records?
- Prehistoric archaeology
 - Forensic archaeology
 - Underwater archeology
 - Classical archeology
26. Which country recently hosted the 2024 Summer Olympics?
- Japan
 - Spain
 - France
 - United States
27. Who won the Nobel Peace Prize in 2024?
- Malala Yousafzai
 - Nadia Murad
 - Denis Mukwege
 - Nihon Hidankyo
28. Which country recently launched its first nuclear-powered submarine?
- India
 - Australia
 - South Korea
 - Brazil
29. What is the name of the first all-electric commercial aircraft?
- Airbus A320neo
 - Pipistrel Velis Electro
 - Boeing 737 MAX
 - Embraer E-Jet E2
30. Who is the current Secretary-General of the United Nations (as of 2024)?
- António Guterres
 - Ban Ki-Moon
 - Kofi Annan
 - Boutros Boutros-Ghali
31. Which country recently became the first to legalize same-sex marriage in 2024?
- Germany
 - Australia
 - United States
 - None of these
32. Which of the following are the provisions under Article 19 of the Indian Constitution?
- To assemble peacefully and without arms
 - To form associations or unions
 - To move freely throughout the territory of India
 - All of the above

33. Which new virus has been detected in China?
 a) HBI
 b) HIV
 c) HMPV
 d) HUI
34. In which year was Reserve Bank of India nationalized?
 a) 1949
 b) 1945
 c) 1940
 d) 1935
35. Who is the new President of the United States?
 a) Kamala Harris
 b) Joe Biden
 c) Donald Trump
 d) Mike Pence
36. Who was regarded as Zinda Pir?
 a) Jahangir
 b) Babur
 c) Bahadur Shah
 d) Aurangzeb
37. The Simon Commission was appointed in
 a) 1926
 b) 1927
 c) 1929
 d) 1930
38. The tropical cyclones of the Bay of Bengal are called
 a) Typhoons
 b) Whirlpools
 c) Depressions
 d) Hurricanes
39. The main cause of Tsunami is
 a) Earthquakes underwater
 b) Cyclones
 c) Tides
 d) Ocean currents
40. Which of the following is tributary of Ganga?
 a) Kosi
 b) Tungabhadra
 c) Damodar
 d) Brahmaputra
41. Grape : Vine :: Poppy: ?
 a) Pears
 b) Pineapple
 c) Opium
 d) Kiwi
42. Select the most logical sequence:
 1 - Poverty, 2 - Population, 3 - Death, 4 - Unemployment, 5 - Disease
 a) 2,3,4,5,1
 b) 3,4,2,1,5
 c) 1,5,2,4,3
 d) 2,4,1,5,3
43. If in certain language PRAISE is written as #@\$27% and RESPIRE is written as @%7#2@%. How is REPAIR written in the code?
 a) @%#\$2@
 b) #2@%\$#
 c) @%\$#2@
 d) %#@7\$%

44. Here are some words translated from an artificial language.

gorblflur means fan belt

pixngorbl means ceiling fan

arthtusl means tile roof

Which word could mean "ceiling tile"?

- a) *gorbltusl*
- b) *pixnarth*
- c) *flurgorbl*
- d) *arthflur*

Direction (Ques 45 to 48): Solve the puzzle given below and answer the following question:

A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together.

45. In which position A is sitting?

- a) Between B and D
- b) Between B and C
- c) Between E and D
- d) Between C and E

46. Who is sitting on the extreme right?

- a) D
- b) C
- c) B
- d) A

47. Who is not sitting with C?

- a) A
- b) D
- c) Both options a) and b)
- d) None of these

48. Who is sitting in the middle of the bench?

- a) C
- b) D
- c) B
- d) A

49. $(25)^{7.5} \times (5)^{2.5} \div (125)^{1.5} = 5^?$

- a) 8.5
- b) 11.5
- c) 13
- d) 17.5

50. Look at this series: 8, 6, 9, 23, 87, ...

What number should come next?

- a) 128
- b) 226
- c) 324
- d) 429

ANSWER KEY**Recruitment test conducted on 07/02/2025 for post of Programmer Gr. II
under BFUHS, Faridkot w.r.t Advt. No. BFU-24/22**

1	B		26	C
2	C		27	D
3	B		28	A
4	C		29	B
5	C		30	A
6	B		31	D
7	C		32	D
8	A		33	C
9	B		34	A
10	D		35	C
11	B		36	D
12	B		37	B
13	C		38	C
14	A		39	A
15	B		40	A
16	A		41	C
17	C		42	D
18	D		43	A
19	D		44	B
20	A		45	B
21	D		46	A
22	A		47	D
23	D		48	D
24	A		49	C
25	A		50	D