



SHRI VISHWAKARMA SKILL UNIVERSITY

(A State Skill University, setup by an Act of Legislature in 2016)

RECRUITMENT EXAMINATION

Advertisement No. HVSU/18/ENT /007 dt. 07/11/2018

SKILL INSTRUCTOR (CSE / IT)

A

Max. Marks : 90 Marks
Time : 90 Minutes

SKILL INSTRUCTOR (CSE / IT) – SECTION I

- Q1. The processes that are residing in main memory and are ready and waiting to execute are kept on a list called
- A) job queue
 - B) ready queue
 - C) execution queue
 - D) process queue
- Q2. The segment of code in which the process may change common variables, update tables, write into files is known as :
- A) program
 - B) critical section
 - C) sub-routine
 - D) synchronizing
- Q3. Which one of the following is the deadlock avoidance algorithm?
- A) banker's algorithm
 - B) round-robin algorithm
 - C) elevator algorithm
 - D) karn's algorithm
- Q4. Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called
- A) fragmentation
 - B) paging
 - C) mapping
 - D) none of the mentioned
- Q5. The delay that occur during the playback of a stream is called
- A) stream delay
 - B) playback delay
 - C) jitter
 - D) event delay
- Q6. A unique piece of information that is used in encryption ?
- A) Cipher
 - B) text
 - C) key
 - D) lock

- Q7. Which algorithmic technique does Fibonacci search use?
- A) Brute force
 - B) Divide and Conquer
 - C) Greedy Technique
 - D) Backtracking
- Q8. What is the advantage of bubble sort over other sorting techniques?
- A) It is faster
 - B) Consumes less memory
 - C) Detects whether the input is already sorted
 - D) All of the mentioned
- Q9. Recursion is a method in which the solution of a problem depends on _____
- A) Larger instances of different problems
 - B) Larger instances of the same problem
 - C) Smaller instances of the same problem
 - D) Smaller instances of different problems
- Q10. Which of the following strings is a palindromic subsequence of the string "ababcdabba"?
- A) abcb
 - B) abba
 - C) abbbba
 - D) all of the mentioned
- Q11. During the execution of the instructions, a copy of the instructions is placed in the
- A) Register
 - B) RAM
 - C) System heap
 - D) Cache
- Q12. The addressing mode, where you directly specify the operand value is _____
- A) Immediate
 - B) Direct
 - C) Definite
 - D) Relative
- Q13. The advantage of I/O mapped devices to memory mapped is _____
- A) The former offers faster transfer of data
 - B) The devices connected using I/O mapping have a bigger buffer space
 - C) The devices have to deal with fewer address lines
 - D) No advantage as such

- Q14. RAD stands for
- A) Relative Application Development
 - B) Rapid Application Development
 - C) Rapid Application Document
 - D) None of the mentioned
- Q15. Which four framework activities are found in the Extreme Programming(XP) ?
- A) analysis, design, coding, testing
 - B) planning, analysis, design, coding
 - C) planning, design, coding, testing
 - D) planning, analysis, coding, testing
- Q16. Which model in system modeling depicts the static nature of the system ?
- A) Behavioral Model
 - B) Context Model
 - C) Data Model
 - D) Structural Model
- Q17. What encapsulates both data and data manipulation functions ?
- A) Object
 - B) Class
 - C) Super Class
 - D) Sub Class
- Q18. Which of the following is not a project manager's activity?
- A) project control
 - B) project management
 - C) project planning
 - D) project design
- Q19. Which these does NOT represent object oriented design ?
- A) It follows regular procedural decomposition in favor of class and object decomposition
 - B) Programs are thought of collection of objects
 - C) Central model represents class diagrams that show the classes comprising a program and their relationships to one another
 - D) Object-oriented methods incorporates Structural methods
- Q20. SRS consists of ?
- A) Problem statement
 - B) Product design
 - C) Problem statement & Product design
 - D) None of the mentioned

- Q21. Finite automata can be divided into which of the following groups?
- A) Acceptors or recognizers
 - B) Transducers
 - C) both (a) and (b)
 - D) None of the mentioned
- Q22. What is the main technique for achieving portable software?
- A) to isolate system dependency
 - B) to increase the overall performance
 - C) to have independent platform dependency
 - D) None of the mentioned
- Q23. Which of the method was developed for analyzing Architecture?
- A) RAAM
 - B) SAAM
 - C) LAAM
 - D) GAAM
- Q24. What is a foreign key?
- A) A foreign key is a primary key of a relation which is an attribute in another relation
 - B) A foreign key is a super key of a relation which is an attribute in more than one other relations
 - C) A foreign key is an attribute of a relation that is a primary key of another relation
 - D) A foreign key is the primary key of a relation that does not occur anywhere else in the schema
- Q25. What is the full form of HTTP?
- A) Hyper Text Trial Program
 - B) Hyper Text Transfer Protocol
 - C) Hyper Text Technology Protocol
 - D) Hyper Text Trial Protocol
- Q26. Which of the following is not applicable for IP?
- A) Error reporting
 - B) Handle addressing conventions
 - C) Datagram format
 - D) Packet handling
- Q27. If you want to find the number of routers between a source and destination, the utility to be used is.
- A) route
 - B) Ipconfig
 - C) Ifconfig
 - D) Traceroute

- Q28. Types of computer graphics are
- A) Vector and raster
 - B) Scalar and raster
 - C) Vector and scalar
 - D) None of these
- Q29. The Cartesian slope-intercept equation for a straight line is
- A) $y = m.x + b$
 - B) $y = b.x + m$
 - C) $y = x.x + m$
 - D) $y = b + m.m$
- Q30. A bitmap is collection of _____ that describes an image.
- A) bits
 - B) colors
 - C) algorithms
 - D) pixels
- Q31. Which type is best suited to represent the logical values?
- A) integer
 - B) Boolean
 - C) character
 - D) all of the mentioned
- Q32. The data elements in the structure are also known as what?
- A) objects
 - B) members
 - C) data
 - D) none of the mentioned
- Q33. Which operator is having the right to left associativity in the following?
- A) Array subscripting
 - B) Function call
 - C) Addition and subtraction
 - D) Type cast
- Q34. Which is more effective while calling the functions?
- A) call by value
 - B) call by reference
 - C) call by pointer
 - D) none of the mentioned

- Q35. How many minimum number of functions should be present in a C++ program for its execution?
- A) 0
 - B) 1
 - C) 2
 - D) 3
- Q36. What is used to write multi line comment in c++?
- A) `*/ */`
 - B) `*/ /*`
 - C) `//.....//`
 - D) `/* */`
- Q37. Which is used to define the member of a class externally in c++?
- A) `->`
 - B) `::`
 - C) `>>`
 - D) `[]`
- Q38. Which operator is used to declare the destructor in c++?
- A) `#`
 - B) `~`
 - C) `@`
 - D) `$`
- Q39. Which keyword is used to handle the exception in c++?
- A) `try`
 - B) `throw`
 - C) `catch`
 - D) `none`
- Q40. How many types of container classes are there in c++?
- A) 1
 - B) 2
 - C) 3
 - D) As many as possible
- Q41. What is the range of short data type in Java?
- A) -128 to 127
 - B) -32768 to 32767
 - C) -2147483648 to 2147483647
 - D) None of the mentioned

- Q42. Literals in java must be appended by which of these?
- A) L
 - B) l
 - C) D
 - D) L and l
- Q43. Which concept of Java is a way of converting real world objects in terms of class?
- A) Polymorphism
 - B) Encapsulation
 - C) Abstraction
 - D) Inheritance
- Q44. Which of these packages contains abstract keyword?
- A) java.lang
 - B) java.util
 - C) java.io
 - D) java.system
- Q45. The script tag must be placed in
- A) head
 - B) head and body
 - C) title and head
 - D) all of the mentioned
- Q46. JavaScript Code can be called by using
- A) RMI
 - B) Triggering Event
 - C) Preprocessor
 - D) Function / Method
- Q47. The value of radix in binary number system is _____
- A) 2
 - B) 8
 - C) 0
 - D) 1
- Q48. What does EBCDIC stand for?
- A) Extended Binary Converted Decimal Intermediate Code
 - B) Extended Binary Coded Decimal Intermediate Code
 - C) Extended Binary Coded Decimal Interchange Code
 - D) Extended Binary Converted Decimal Interchange Code

Q49. The boolean expression of an OR gate is _____

- A) $A.B$
- B) $A'B+AB'$
- C) $A+B$
- D) $A'B'$

Q50. Which of the following is independent of the address bus?

- A) Secondary memory
- B) Main memory
- C) Onboard memory
- D) Cache memory

General English

- Q51. Choose the one which best expresses the meaning of the given word:
INCLEMENT
(A) Selfish (B) Active
(C) Unfavourable (D) Inactive
- Q52. Find out which part of the sentence has an error:
The Indian radio (a)/ which was previously controlled by the British rulers (b)/ is free now from the narrow vested interests.(c)/ No error (d)
(A) (a) (B) (b)
(C) (c) (D) (d)
- Q53. Pick the right meanings of the following **idiom and phrase**:
Pell – mell
(A) In mingled confusion or disorder
(B) Gaiety and excitement
(C) Extremely worried
(D) A fat person
- Q54. Choose the one which is most opposite in meaning to the given word:
Flaunt
(A) Regard
(B) Sink
(C) Hide
(D) Propose
- Q55. Fill in the blank with suitable article:
This is _____ universal truth.
(A) an (B) a (C) the (D) no article
- Q56. Fill in the blank:
You expect us to stay in such a _____ building even if it can be hired on a nominal rent?
(A) Scruffy
(B) desperate
(C) fragment
(D) robust
- Q57. **Directions:** In question given below, the first and the last sentences are numbered 1 and 6. Remaining sentences are named P, Q, R and S. These four sentences are not given in their proper order. Read the sentences and find out which of the four combinations is correct:
1: Man is a fighting animal as much as a thinking one.

P: There is no denying the fact that somewhere in the blood of everyone of us there is a war-dance.

Q: It is usually the weak and the cowardly who fight shy of war.

R: It excites the inborn pugnacity in everyone.

S: The sight of men fighting moves us strangely.

6: Their pacifism is only a cloak for their weakness.

(A) QRSP (B) PSRQ (C) QSRP (D) PRSQ

Q58. Choose the correct option to complete the sentence given below:

A journalist _____ to interview you later today.

(A) had come

(B) came

(C) has been coming

(D) will be coming

Q59. Pick out the most effective word from the given options to fill in the blank to make the sentence meaningfully complete:

Owing to the power cut in the area, factories are being forced to _____ men.

(A) throw away

(B) send off

(C) put off

(D) lay off

Q60. **Directions: Read the following passage to answer the given question based on it-**

Mahatma Gandhi believed that industrialization was no answer to the problems that plague the mass of India's poor and that villagers should be taught to be self-sufficient in food, weave their own cloth from cotton and eschew the glittering prizes that the 20th century so temptingly offers. Such an idyllic and rural paradise did not appear to those who inherited the reins of political power.

The basis of 'an idyllic and rural paradise' is

(A) rapid industrialization of villages

(B) self sufficiency in food, clothes and simplicity of the lifestyle

(C) bringing to the villages the glittering prizes of the 20th century

(D) supporting those holdings powerful political positions

General Aptitude

Q61. HOUSE : GNTRD :: ? : KHFGS

- (A) SIGHT
- (B) FIGHT
- (C) MIGHT
- (D) LIGHT

Q62. Cheenu has a family of eight members. Bablu is the eldest male member of the family. Haryali is the daughter-in-law of Neelu and sister-in-law of Sonu and Anku. Apart from Cheenu and Bablu, only Sonu is a male member of the family. Anku is the aunt of Cheenu's two daughters Saba and Daya. How is Daya related to Sonu?

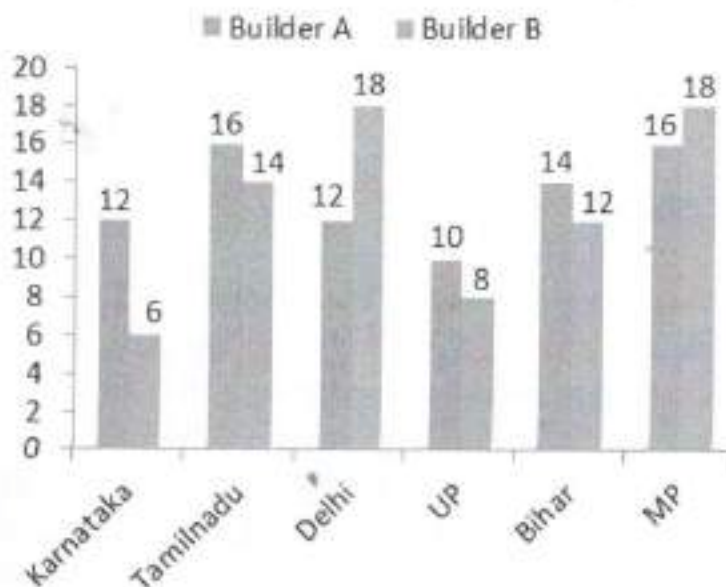
- (A) Grandmother
- (B) Niece
- (C) Mother
- (D) Aunt

Q63. Rohit is seventeenth from the left end of a row of 29 boys and Karan is seventeenth from the right end in the same row. How many boys are there between them in the row?

- (A) 3
- (B) 5
- (C) 6
- (D) None

Direction: Study the following bar chart and table chart carefully and answer the question given below.

Following bar graph shows the amount of money allocated (in lakh) to 2 builders by six different state governments for various government projects such as House building, Road development, Bridge development and Metro projects.



The table shows the spending of each builder in various development

aspects every year.

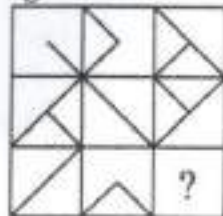
Project	Builder A	Builder B
House	15%	35%
Roads	35%	20%
Bridge	20%	30%
Metro	30%	15%

- Q64. Builder B bought a bike from the 40% of amount allocated to him for Metro development in the state MP. If the builder purchased that bike at discount of 20% on the marked price, then find the marked price of the bike.
- (A) 1.2 lakh (B) 1.08 lakh
(C) 1.5 lakh (D) 1.35 lakh
- Q65. Complete the series: 3.5, 5, 7.5, 11.25, ?, 23.50
- (A) 12.25 (B) 14.75
(C) 15 (D) 16.50
- Q66. In each of the following question, choose the correct code form. In a certain code, MEN is written as ABC and DARK is written as LSTZ. How can READ be written in this code?
- (A) TCSL
(B) TBSL
(C) TASL
(D) TLSL
- Q67. A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. Which direction is he facing now?
- (A) South
(B) North-west
(C) West
(D) South-west
- Q68. In the following question, a statement is given followed by some conclusions. without resolving anything yourself, choose the conclusion which logically follows from the statement.
- Most celebrities like Amar are liars.**
- (A) Amar is a celebrity.
(B) Those who do not tell lies are not celebrities.

(C) Some celebrities do not tell lies.

(D) You can only become a celebrity by telling lies.

- Q69. Select a suitable figure from the four alternatives that would complete the figure matrix.



(1) (2) (3) (4)

- (A) 1 (B) 2 (C) 3 (D) 4

- Q70. Three different positions X, Y and Z of a dice are shown in the figures given below. Which number lies at the bottom face in position X?



(X)



(Y)



(Z)

- (A) 2 (B) 3
(C) 6 (D) Cannot be determined

- Q71. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class.

- (A) 48.55 (B) 42.25 (C) 50 (D) 51.25

- Q72. For what value of *, the statement $\frac{*}{15} \times \frac{*}{135} = 1$ is true?

- (A) 15 (B) 25 (C) 45 (D) 35

- Q73. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. Find out the age of the youngest child?

- (A) 6 years (B) 5 years (C) 4 years (D) 3 years

- Q74. What is the year next to 1990 which will have the same calendar as that of the year 1990?

- (A) 1992 (B) 2001 (C) 1996 (D) 1995

- Q75. A clock is started at noon. By 10 minutes past 5, the hour hand has turned through
(A) 155° (B) 145° (C) 152° (D) 140°
- Q76. What is the HCF of 2.04, 0.24 and 0.8?
(A) 1 (B) 2 (C) 0.02 (D) 0.04
- Q77. A vendor bought bananas at 6 for a rupee. How many for a rupee must he sell to gain 20%?
(A) 3 (B) 4 (C) 5 (D) 6
- Q78. The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period (in years) is:
(A) 1 (B) 2 (C) 3 (D) 5
- Q79. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
(A) 3.6 (B) 7.2 (C) 8.4 (D) 10
- Q80. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :
(A) $\frac{1}{4}$ (B) $\frac{1}{10}$ (C) $\frac{7}{15}$ (D) $\frac{8}{15}$

SKILL INSTRUCTOR (CSE / IT) – SECTION IV

- Q81. Where did Vice President Venkaiah Naidu inaugurate the 4th International Kite Festival and 2nd International Sweet Festival on 13th January 2019?
- A) New Delhi
 - B) Kolkata
 - C) Lucknow
 - D) Hyderabad
- Q82. Chanakya was known as—
- A) Bhattasvamin
 - B) Rajasekhara
 - C) Vishnugupta
 - D) Visakhadatta
- Q83. The imaginary line of the Earth's surface that closely follows the 180 degree Meridian is?
- A) Tropic of Cancer
 - B) International Date Line
 - C) Equator
 - D) Prime Meridian
- Q84. For regulation of the Insurance Trade in the country, the Government has formed :
- A) SEBI
 - B) RBI
 - C) IRDA
 - D) LIC
- Q85. The minimum age for being eligible to become the Prime Minister of India is:
- A) 18 years
 - B) 21 years
 - C) 25 years
 - D) 30 years
- Q86. Who was the first Deputy Prime Minister of India?
- A) Maulana Abul Kalam Azad
 - B) B R Ambedkar
 - C) Lal Bahadur Shastri
 - D) Vallabhbhai Patel

Q87. What is the popular name of Sodium Chloride ?

- A) Common Salt
- B) Washing Soda
- C) Baking Soda
- D) Epsom Salt

Q88. Who was the first Chief Minister of Haryana

- A) Banarsi Das Gupta
- B) Bhagwat Dyal Sharma
- C) Bansi Lal
- D) Bhajan Lal

Q89. In which year the National Games is schedule to be held in Haryana for the first time

- A) 2019
- B) 2020
- C) 2021
- D) 2022

Q90. Which state is leading in the Medal tally of Khelo India Youth Games 2019 with 177 Medals as on January 16, 2019?

- A) Maharashtra
- B) Haryana
- C) Delhi
- D) Punjab

SVSU Recruitment Examination 2019
Loaded Key Sheet for : 20 - Skill Instructor (Computer Science Engineering / IT) , Set Code : A

Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key
1	B/	21	C/	41	B/	61	D/	81	D/
2	B/	22	A/	42	D/	62	B/	82	C/
3	A/	23	B/	43	C/	63	A/	83	B/
4	B/	24	C/	44	A/	64	D/	84	C/
5	C/	25	B/	45	B/	65	D/	85	C/
6	C/	26	A/	46	D/	66	B/	86	D/
7	B/	27	D/	47	A/	67	D/	87	A/
8	C/	28	A/	48	B/	68	A/	88	B/
9	C/	29	A/	49	C/	69	B/	89	D/
10	D/	30	D/	50	A/	70	B/	90	A/
11	D/	31	B/	51	C/	71	A/	91	X
12	A/	32	B/	52	C/	72	C/	92	X
13	C/	33	D/	53	A/	73	C/	93	X
14	B/	34	B/	54	C/	74	B/	94	X
15	C/	35	B/	55	B/	75	A/	95	X
16	D/	36	D/	56	A/	76	D/	96	X
17	A/	37	B/	57	B/	77	C/	97	X
18	D/	38	B/	58	D/	78	B/	98	X
19	A/	39	C/	59	D/	79	B/	99	X
20	C/	40	B/	60	B/	80	D/	100	X

SVSU Recruitment Examination 2019

Loaded Key Sheet for : 20 - Skill Instructor (Computer Science Engineering / IT) , Set Code : B

Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key
1	B /	21	B /	41	C /	61	A /	81	D /
2	A /	22	D /	42	D /	62	C /	82	A /
3	D /	23	A /	43	A /	63	C /	83	B /
4	A /	24	B /	44	D /	64	B /	84	D /
5	A /	25	C /	45	A /	65	A /	85	A /
6	D /	26	A /	46	C /	66	D /	86	D /
7	B /	27	B /	47	C /	67	C /	87	C /
8	B /	28	B /	48	A /	68	B /	88	B /
9	D /	29	A /	49	B /	69	B /	89	C /
10	B /	30	B /	50	C /	70	D /	90	C /
11	B /	31	C /	51	A /	71	D /	91	X
12	D /	32	C /	52	B /	72	B /	92	X
13	B /	33	B /	53	D /	73	A /	93	X
14	B /	34	C /	54	D /	74	D /	94	X
15	C /	35	C /	55	B /	75	D /	95	X
16	B /	36	D /	56	C /	76	B /	96	X
17	B /	37	D /	57	C /	77	D /	97	X
18	D /	38	A /	58	A /	78	A /	98	X
19	C /	39	C /	59	C /	79	B /	99	X
20	A /	40	B /	60	B /	80	B /	100	X