

**QUESTION BOOKLET AND ANSWER KEY
FOR RECRUITMENT TEST OF
Web Designer
Code 9.6
HELD ON 9.12.2011**

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1. 'ਸੋਹਲੇ ਗਾਉਣਾ' ਮੁਹਾਵਰੇ ਦਾ ਅਰਥ ਹੈ :
(A) ਉੱਚੀ ਬੋਲਣਾ (B) ਸਿਫਤਾ ਕਰਨੀਆਂ (C) ਨਿੰਦਿਆ ਕਰਨੀ (D) ਖੁਸ਼ੀ ਦੇ ਗੀਤ ਗਾਉਣੇ
2. 'ਵਿਸਮਿਕ' ਵਾਕ ਹੁੰਦੇ ਹਨ :
(A) ਜਿਹੜੇ ਉਦਾਸੀ, ਖੁਸ਼ੀ ਦੇ ਭਾਵਾਂ ਨੂੰ ਪ੍ਰਗਟ ਕਰਨ
(B) ਜਿਹੜੇ ਉਦਾਸੀ, ਖੁਸ਼ੀ, ਗਮੀ, ਹੈਰਾਨੀ ਅਤੇ ਚਿੰਤਾ ਦੇ ਭਾਵ ਪ੍ਰਗਟ ਕਰਨ
(C) ਜਿਹੜੇ ਕੇਵਲ ਖੁਸ਼ੀ ਦਾ ਸੰਕੇਤ ਕਰਨ
(D) ਜਿਹੜੇ ਕੇਵਲ ਉਦਾਸੀ ਦੇ ਹੀ ਭਾਵ ਵਿਅਕਤ ਕਰਨ
3. ਪੰਜਾਬੀ ਧੁਨੀਆਂ ਨੂੰ ਕਿੰਨੇ ਪ੍ਰਕਾਰ ਨਾਲ ਵੰਡਿਆ ਜਾਂਦਾ ਹੈ :
(A) ਤਿੰਨ (B) ਚਾਰ (C) ਦੋ (D) ਪੰਜ
4. 'ਪੁਆਧੀ' ਕੀ ਹੈ ?
(A) ਭਾਸ਼ਾ (B) ਖੇਤਰ (C) ਵਿਆਕਰਨ (D) ਉਪ-ਭਾਸ਼ਾ
5. ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਨੁਸਾਰ 'ਕਿਉਂਕਿ' ਸ਼ਬਦ ਕੀ ਹੈ ?
(A) ਯੋਜਕ (B) ਸੰਬੰਧਕ (C) ਧਾਤੂ (D) ਪੜਨਾਂਵ

Directions Q.No. 6-8:-

Choose the correct synonym of the given word out of the four choices:

6. **Grudge**
A) Grievance (B) Greed (C) Gratitude (D) Gravity
7. **Impervious**
A) Relevant (B) Invulnerable to (C) Impertinent (D) Permeable
8. **Imperious**
A) Unaffected (B) Unhealthy (C) Commanding (D) Weak

Directions Q.No. 9-10:-

Choose the correct opposite of the given word out of the four choices:

9. **Impugn**
A) Reject (B) Select (C) Indict (D) Support
10. **Impunity**
A) Responsibility (B) Support (C) Correctness (D) Impudence
11. **Which part of the Ashoka's pillar at Sarnath has been taken for National Emblem of India?**
A) central portion (B) bottom portion (C) capital (D) complete pillar
12. **India became _____ country to have acquired nuclear powered submarines.**
A) sixth (B) fifth (C) fourth (D) third
13. **Match the following:**

1. FDI	a. N.K. Singh
2. Venture capital	b. Chandra Shekhar
3. Disinvestment	c. Tarapore
4. Capital Account convertibility	d. G.V. Rama Krishna
A) 1d, 2b, 3a, 4c	B) 1a, 2c, 3d, 4b
	C) 1d, 2c, 3a, 4b
	D) 1a, 2b, 3d, 4c

14. **While determining literacy rate, the age taken into account is**
 A) + 1 years B) + 5 years C) + 6 years D) + 7 years
15. **Which of the following states is on the south-west of Punjab.**
 A) Haryana B) Rajasthan C) Himachal Pradesh D) J and K
16. **Which one of the following statements is correct about Punjab?**
 A) Punjab has 85% of its area under cultivation and 2.6% of cropped area of whole country
 B) Punjab has 51% of its area under cultivation and 2.6% of cropped area of whole country
 C) Punjab has 70% of its area under cultivation and 1.6% of cropped area of whole country
 D) Punjab has 85% of its area under cultivation and 1.6% of cropped area of whole country
17. **Which three of the following rivers do not flow through Punjab?**
 A) Satluj, Chenab, Jhelum B) Chenab, Jhelum, Ravi
 C) Beas, Ravi, Jhelum D) Chenab, Ravi, Satluj
18. **An ad-valorem duty is tax basis of**
 A) price of commodity B) value added
 C) Unit of commodity D) advertisement expenses
19. **Which of the following does not have a common boundary with Bangladesh?**
 A) Meghalaya B) Mizoram C) Tripura D) Arunachal Pradesh
20. **The first nuclear reactor of India is named**
 A) Urvashi B) Apsara C) Kamini D) Rohini
21. **D. Udaya Kumar who designed symbol for Indian Rupee is**
 A) IIT post-graduate B) IIT drop out
 C) Diploma holder in designing from polytechnic D) MBA
22. **First Woman to climb Mount Everest is**
 A) Santosh Yadav B) Dina Vakel C) Bachhendri Pal D) Anna Chandi
23. **How many members can the President of India nominate to Rajya Sabha?**
 A) 2 B) 10 C) 12 D) 8
24. **After retirement a judge can undertake private practice of law**
 A) in the same court B) only in a lower court
 C) where ever he/she wished D) in another court of the same level or higher court
25. **Who was Indian leader who opposed organisation of Indian National Congress in 1885 along with Raja Shiva Prasad of Benaras?**
 A) Sayyid Ahmed Khan B) Badrudin Tyabji
 C) Nawab Abdul Latif D) Mohammad Ali Jinnah
26. **The doctrine of Swadeshi was first preached _____ and to _____**
 A) In 1866 ; save Indian economy
 B) In 1866 ; generate feeling of patriotism
 C) In 1870 ; protect Indian industries against slaughter of British Manufacturers
 D) In 1876 ; create feeling of Indianization.

27. In which city did representatives from the countries of the world meet and create the first international agreement on global warming?

- A) Rio de Janeiro, Brazil
 B) Paris, France
 C) Kyoto, Japan
 D) Kuala Lumpur, Malaysia

28. Match the following:

- | I | II |
|-----------------|----------------|
| 1. Malaria | a. Bone Marrow |
| 2. Filaria | b. Brain |
| 3. Encephalitis | c. Blood Cell |
| 4. Leukemia | d. Lymph node |
- A) 1c, 2d, 3b, 4a B) 1c, 2d, 3a, 4b C) 1c, 2b, 3d, 4a D) 1a, 2b, 3c, 4d

29. The Earth is third planet from the Sun and is located between

- A) Venus and Mars
 B) Mars and Jupiter
 C) Venus and Jupiter
 D) Mercury and Venus

30. 'Boston Tea Party' is associated with the

- A) French Revolution
 B) Russian Revolution
 C) American Independence
 D) Independence of Egypt

31. On the basis of following statement, which assumptions are implicit.

Statement: "I want to present a book on techniques of yoga to Ajay on his birthday," said A.

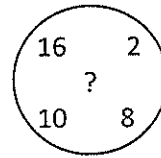
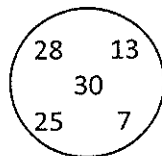
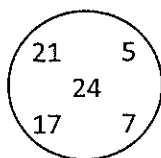
Assumptions: i) A will be invited by Ajay on his birthday

ii) The person to whom the book is to be presented, is not keeping good health

iii) Book is an acceptable gift for birthday

- A) all are implicit
 B) only i and ii are implicit
 C) only ii and iii are implicit
 D) only i and iii are implicit

32. Which number in the third set will replace the question mark



- A) 24 B) 30 C) 36 D) 40

33. In a group of persons travelling in a bus, 6 persons can speak French, 15 can speak Spanish and 6 can speak English. In that group none can speak any other language. If 2 persons in the group can speak two languages and one person can speak all the three languages, then how many persons are there in the group

- A) 21 B) 22 C) 23 D) 24

Directions: on the basis of following informations, find the correct conclusions in Q. No. 34-35.

'X \$ Y' means 'X' is not greater than 'Y'

'X # Y' means 'X' is neither greater than nor smaller than 'Y'

'X % Y' means 'X' is not smaller than 'Y'

'X * Y' means 'X' is neither smaller than nor equal to 'Y'

'X @ Y' means 'X' is neither greater than nor equal to 'Y'

41. Households having scooter, T.V. set and washing machine and not car are represented by the region
A) 4 B) 7 C) 11 D) 12
42. Households having T.V. Set but neither scooter nor washing machine are given by the region
A) 2 B) 11 C) 12 D) 13
43. Household having a car, washing machine, TV set but not a scooter are represented by the region
A) 8 B) 9 C) 7 D) none of these
44. A person starts from a point A and travels eastwards to B and then turns left and travels thrice that distance to reach C. He again turns left and travels five times the distance he covered between A and B and reaches his destination D. The shortest distance between the starting point and the destination is
A) $\sqrt{306}$ Km B) 15 Km C) 12 Km D) 18 Km

On the basis of following informations, answer Q. Nos. 45-46:

Six persons A, B, C, D, E and F were playing a game. A's father, mother and uncle were in the group. There were two women. B, the mother of A, got more points than her husband. D got more points than E but less than F. Niece of E got the lowest points. Father of A got more points than F but could not win the game?

45. Who won the game?
A) A B) B C) D D) F
46. Who is husband of B?
A) C B) D C) E D) F
47. If 'A \$ B' means 'A' is brother of 'B', 'A @ B' means 'A' is wife of 'B', 'A # B' means 'A' is daughter of 'B' and 'A θ B' means 'A' is father of 'B', then which of the following expressions indicates the relationship 'K' is father-in-law of H?
A) H @ J \$ L # P θ K B) H @ J \$ P θ L # K
C) H @ P \$ J θ L # K D) H @ J \$ L # K θ P
48. Rewrite the word VOCALIST in the numeric form by writing its first four letter in the reverse order and then next four letters in the reverse by substituting I by 8, O by 1, L by 3, T by 2, V by 5, S by 7, A by 9, and C by 6.
A) 96152783 B) 92156873 C) 96157683 D) 92156783
49. Find the odd number out
(i) 15 (ii) 63 (iii) 143 (iv) 195 (v) 257
A) (i) B) (v) C) (iii) D) (iv)
50. Complete the following series
2 3 B - 6 - FG - 5D - 8 - H I
A) C, 7, 4, E, 9 B) D, 8, 6, C, 7 C) E, 8, 7, 8, 9 D) W, 8, 7, I, L

51. Which is used for code-in-line model?
A) `< script runat="server">` B) `< script javascript="server">`
C) Both D) None
52. Which is true?
A) Page Class is a derivative of the Control class.
B) Page Class inherits all properties, methods, and events exposed by the Control class.
C) Both D) None
53. Just in Time compilation is the process for performing the _____ stage of compilation from IL into native machine code
A) intermediate B) beginning C) final D) whole
54. In C# which of the operators cannot be overloaded
A) ! B) = C) + D) all of the above
55. In .Net environment, the access level, signature and the return type can be changed during
A) overriding B) hiding C) shadowing D) all of the above
56. Which namespace is used for SSLStream class?
A) System.Collections B) System.Net.Security
C) System.Security D) System.Diagnostics
57. What is the last stage of the Web forms life cycle in ASP.Net?
A) Page_Load B) Page_Unload C) Page_Init D) Validate
58. .Net Website is configured by default by which of the following authentication types?
A) Anonymous B) Basic
C) Integrated Windows Authentication D) A) & C) both
59. What data types do the RangeValidator control support in ASP.Net?
A) Integer, String and date B) Integer, String and float
C) Integer, String and bool D) Integer, ushort and date
60. In C#, which of the classes are used to access file system
A) File and TextReader B) File and directory
C) StringReader and TextReader D) StringReader and directory
61. Process based multitasking is totally controlled by the
A) program B) thread C) operating system D) none of the above
62. Which of the following interface represents a collection of associated keys and values?
A) this B) EventArgs C) params D) IDictionary
63. Message passing is a principle to initialize an action by means of a _____
A) method B) object C) class D) attributes
64. A keyword can be used as an identifier by using the _____
A) prefix # B) prefix @ C) prefix \$ D) prefix x

65. A _____ prevents a third party to extent that class
A) object B) assemblies C) sealed method D) sealed class
66. The tools that search information on the Internet are
A) Directory B) Meta-search engine
C) Search engine D) All of the above
67. The purpose of MTA is
A) Message preparation B) Storing messages
C) Transferal of messages across the Internet D) All of the above
68. _____ allows to execute the methods of an object in another machine or JVM?
A) Protocol handler B) Streaming C) RMI D) IPC
69. The size limit for datagrams in UDP is
A) 128 B) 16 C) 64 D) 4
70. Wireless Markup Language (WML) is based on
A) HTML B) SGML C) XML D) None of the above
71. In .Net. which method is used to display a dialog box in the document window?
A) prompt() and alert() B) alert() and confirm()
C) confirm() D) none of the above
72. _____ method of response object in ASP is used to redirect the user to a different URL
A) Forward B) Redirect C) Link D) None of the above
73. Web.config file is used to _____
A) To configure the web server B) To configure the web browser
C) To store the variable definitions and global information for the application
D) All of the above
74. The root directory of a disk should be placed
A) At a fixed address in the main memory B) At a fixed location on the disk
C) Anywhere on the disk D) All of the above
75. The number of distinct simple graphs with upto three nodes is
A) 15 B) 10 C) 7 D) 9
76. Which of the following algorithm design techniques is used in the quick sort algorithm?
A) Dynamic programming B) Backtracking
C) Divide and conquer D) Greedy method
77. The principle of locality justifies the use of
A) Interrupts B) DMA C) Polling D) Cache memory
78. Which scheduling policy is most suitable for a time-shared operating system?
A) Shortest job first B) Round robin C) First come first serve D) Elevator
79. A binary tree T has n leaf nodes. The number of nodes of degree 2 in T is
A) $\log_2 n$ B) n-1 C) n D) 2^n

80. **Heap allocation is required for languages**
A) That support recursion
B) That support dynamic data structures
C) That use dynamic scope rules
D) None of the above
81. **Dirty bit for a page in a page table**
A) Helps avoid unnecessary writes on a paging device
B) Helps maintain LRU information
C) Allows only read on a page
D) None of the above
82. **Which of the following is a tool in design phase?**
A) Abstraction
B) Refinement
C) Information hiding
D) All of these
83. **Data structure suitable for the application is discussed in**
A) Data design
B) Architectural design
C) Procedural design
D) Interface design
84. **In object oriented design of software, objects have**
A) Attributes and name only
B) Operations and name only
C) Attributes name and operations
D) None of these
85. **If the number of conditions in a decision table is n, the maximum number of rules (columns) possible is**
A) n
B) $2n$
C) 2^n
D) $\log_2 n$
86. **With regard to the expressive power of the formal relational Query languages, which of the following statements is TRUE?**
A) relational algebra is more powerful than relational calculus
B) relational algebra has the same power as relational calculus
C) relational algebra has the same power as safe relational calculus
D) None of these
87. **Which normal form is considered adequate for normal relationship database design?**
A) 2 NF
B) 3 NF
C) 4 NF
D) 5 NF
88. **E-R modeling technique is a**
A) Top-down approach
B) Bottom-up approach
C) Left-right approach
D) None of these
89. **The employee salary should not be greater than 50,000/-. This is**
A) Integrity constraint
B) Referential constraint
C) Over-defined constraint
D) Feasible constraint
90. **One data dictionary software package is called**
A) DB/DC dictionary
B) TOTAL
C) ACCESS
D) All of these
91. **What is a web service?**
A) A standard way of integrating web-based applications
B) One type of service that can be part of a Service Oriented Architecture
C) Programmable XML-based service
D) All of the above

92. Coding and decoding, and transporting the data is performed by
A) XML and UDDI respectively B) XML and SOAP respectively
C) HTML and HTTP respectively D) HTML and SOAP respectively
93. Four bits are used for packet sequence numbering in a sliding window protocol used in computer network. What is maximum window size?
A) 4 B) 8 C) 15 D) 16
94. How many bits Internet address is assigned to each host on a TCP/IP Internet which is used in all communications with host?
A) 16 bits B) 32 bits C) 48 bits D) 64 bits
95. Fibre optics have maximum segment
A) 500 m B) 200 m C) 100 m D) 2000 m
96. The topology which has highest reliability is
A) Bus topology B) Star topology C) Ring topology D) Mesh topology
97. How many characters per sec (7 bits + 1 parity) can be transmitted over a 2400 bps line if the transfer is synchronous (1 start bit and 1 stop bit)?
A) 300 B) 240 C) 250 D) 275
98. Which layer functions as a liaison between user support layers and network support layers?
A) Network layer B) Physical layer
C) Transport layer D) Session layer
99. Gateways functions in which OSI layers?
A) The lower three B) The upper four C) All seven D) Only at physical layer
100. The number of cross-points needed for 10 lines in a cross-point switch which is full duplex in nature and there are no self connection is
A) 100 B) 45 C) 50 D) 90

Key 9.6							
Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.	Q.No.	Ans.
1	B	26	C	51	A	76	C
2	B	27	A	52	C	77	D
3	C	28	A	53	A	78	B
4	D	29	A	54	B	79	B
5	A	30	C	55	C	80	B
6	A	31	D	56	B	81	A
7	B	32	B	57	B	82	D
8	C	33	C	58	D	83	A
9	D	34	D	59	A	84	C
10	A	35	A	60	B	85	C
11	C	36	C	61	C	86	C
12	A	37	D	62	D	87	B
13	D	38	D	63	A	88	A
14	D	39	A	64	B	89	A
15	B	40	B	65	D	90	A
16	A	41	D	66	D	91	D
17	B	42	A	67	D	92	B
18	A	43	C	68	C	93	C
19	D	44	B	69	B	94	B
20	B	45	B	70	B	95	D
21	A	46	A	71	A	96	D
22	C	47	D	72	B	97	A
23	C	48	A	73	C	98	C
24	D	49	B	74	B	99	C
25	A	50	A	75	C	100	A