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

1. 'ਸੋਹਲੇ ਗਾਉਣ�' ਮੁਹਾਵਰੇ ਦਾ ਅਰਥ ਹੈ :
   (A) ਉੱਚੀ ਬੋਲਣਾ   (B) ਸਿੱਫ਼ਤਾਂ ਕਰਨੀਆਂ   (C) ਨਿੰਦਿਆ ਕਰਨੀ   (D) ਖ਼ੁਸ਼ੀ ਦੇ ਗੀਤ ਗਾਉਣੇ

2. 'ਵਿਸਮਿਕ' ਵਾਕ ਹੁੰਦੇ ਹਨ :
   (A) ਜਿਹੜੇ ਉਦਾਸੀ, ਖ਼ੁਸ਼ੀ ਦੇ ਭਾਵਾਂ ਨੂੰ ਪ੍ਰਗਟ ਕਰਨ
   (B) ਜਿਹੜੇ ਉਦਾਸੀ, ਖ਼ੁਸ਼ੀ, ਗ਼ਮੀ, ਹੈਰਾਨੀ ਅਤੇ ਚਿੰਤਾ ਦੇ ਭਾਵ ਪ੍ਰਗਟ ਕਰਨ
   (C) ਜਿਹੜੇ ਕੇਵਲ ਖ਼ੁਸ਼ੀ 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. 'ਪ੍ਰਆਧੀ' 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) Bachchendri 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 slaught 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 Lampur, 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
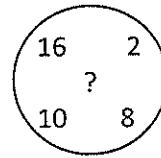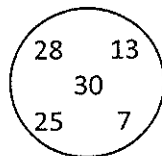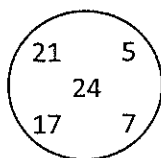C) American Independence
D) Independence of Egypt

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

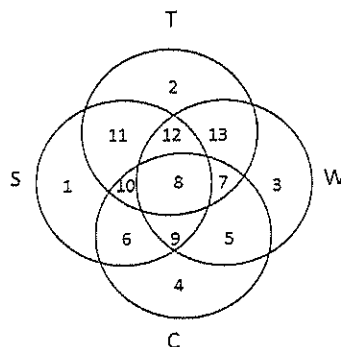Directions: on the basis of following informations, find the correct conclusions in Q. No. 34-35.
'X $ Y' means 'X' is not greater than 'Y'
' X # Y'means 'X' is neither greater than nor smaller than 'Y'
'X %Y' means 'X' is not smaller than 'Y'
'X * Y' means 'X' is neither smaller than nor equal to 'Y'
'X@Y' means 'X' is neither greater than nor equal to 'Y'

34. Statements: D $ K, H * B, K @ H
    Conclusions: I B % K   II B @K   III H * D
    A) Only I and II are true   B) only I and III are true
    C) all I, II and III are true   D) none of these is true

35. Statements: F # M, M * J, P % F
    Conclusions: I P * J   II P % J   III P # M
    A) only I is true   B) only I and II are true
    C) only I and III are true   D) one of these is true

36. A monkey climbs 30 feet at the begining of each hour and rests for a while when he slips back 20 feet before he again starts climbing at the begining of next hour. If he begins his ascent at 8 a.m., at what time will he first touch flat at 120 feet high from the ground.
    A) 4 p.m.   B) 5 p.m.   C) 6 p.m.   D) none of these

37. In a row of 40 boys, Satish was shifted 10 places to the right of Rohan and Kewal was shifted 10 places to the left of Vilas. If Vilas was 26th from left and there were three boys between Kewal and Satish after shifting, what was the position of Rohan in the row?
    A) 10th from the right end   B) 10th from the left end
    C) 39th from the right end   D) data inadequate

Directions: On the basis of following digit-letter-symbol sequence, answer Q.Nos. 38-39.
R * T J L 2 $ D = M # 8 C % B < K 1 + A W ? P E ÷ Q @ 7 F 6

38. Which of the following is 6th to the left of 18th element from the left end?
    A) %   B) C   C) 1   D) 8

39. If the first fifteen elements in the above sequence are written in reverse order, then which of the following will be 21st from the right end?
    A) 2   B) $ C) =   D) L

40. If you pick up from English alphabets, the 6th and 14th letters from right end and then pick up 5th and 20th letters from the left end and form a meaningful word. What is the 1st letter of that word?
    A) E   B) M
    C) no word can be formed   D) more than one word can be formed

Study the following diagram and answer Q.Nos. 41-43

i) Circle S stands for households having scooter
ii) Circle T stands for households having a TV set
iii) Circle W stands for households having a washing machine
iv) circle C stands for households having a Car

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, 0 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, unshort 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

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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