

IBPS IT Specialist officer exam question paper

1. An applet _____

- (a) is an interpreted program that runs on the client
- (b) tracks the number of visitors to a Website
- (c) is a compiled program that usually runs on the client
- (d) collects data from visitors to a Website
- (e) None of these

2 – The _____ states that a foreign key must either match a primary key value in another relation or it must be null.

- (a) entity integrity rule
- (b) referential integrity constraint
- (c) action assertion
- (d) composite attribute
- (e) None of these

3. A _____ sometimes called a boot sector virus, executes when a computer boots up because it resides in the boot sector of a floppy disk or the master boot record of a hard disk.

- (a) system virus
- (b) Trojan horse virus
- (c) file virus
- (d) macro virus
- (e) None of these

4. Which error detection method uses one's complement arithmetic?

- (a) Simply parity check

(b) Checksum

(c) Two-dimensional parity check

(d) CRC

(e) None of these

5. A result of a computer virus can not lead to ____.

(a) Disk Crash

(b) Mother Board Crash

(c) Corruption of program

(d) Deletion of files

(e) None of these

6. The network interface card of LAN is related to following layer of OSI Model-

(a) Transport

(b) Network

(c) Data Link

(d) Physical

(e) All of these

7. Which of the following does not describe a data warehouse?

(a) Subject-oriented

(b) Integrated

(c) Time-variant

(d) Updateable

(e) None of these

8. Which of the following is true ?

(a) Logical design is software-dependent

(b) In a distributed database, database is stored in one physical location

(c) Conceptual design translates the logical design into internal model

(d) Logical design is software independent

(e) None of these

9. A range check _____

(a) ensures that only the correct data type is entered into a field

(b) verifies that all required data is present

(c) determines whether a number is within a specified limit

(d) tests if the data in two or more associated fields is logical

(e) None of these

10. The total set of interlinked hypertext documents worldwide is-

(a) HTTP

(b) Browser

(c) WWW

(d) B2B

(e) None of these

11. With the object-oriented (OO) approach, an object encapsulates, or _____, a programmer.

(a) carries out, the details of an object for

(b) hides, the details of an object from

- (c) reveals, the details of an object to
- (d) extends, the details of an object beyond
- (e) None of these

12. Every computer connected to an intranet or extranet must have a distinct _____

- (a) firewall
- (b) proxy server
- (c) IP address
- (d) domain name
- (e) None of these

13. A table of bits in which each row represents the distinct values of a key?

- (a) Join index
- (b) Bitmap index
- (c) B + Tree
- (d) Hierarchical index
- (e) None of these

14. The degree of detail that should be incorporated into a database depends on what?

- (a) Data integrity
- (b) The type of database
- (c) The user's perspective
- (d) The business practices and policies
- (e) None of these

15. The ____ converts digital signals to analog signals for the purpose of transmitting data over telephone lines.

- (a) Modem
- (b) Router
- (c) Gateway
- (d) Bridge
- (e) All of these

16. Before a package can be used in a java program it must be ____.

- (a) executed
- (b) referenced
- (c) imported
- (d) declared
- (e) None of these

17. Choose the correct way to indicate that a line in a C++ program is a comment line, that is, a line that will not be executed as an instruction ____.

- (a) begin the line with a # sign
- (b) begin the line with double slashes (//)
- (c) begin and end the line with double hyphens (-_-)
- (d) indent the line
- (e) None of these

18. Programming language built into user programs such as Word and Excel are known as ____

- (a) 4GLs
- (b) macro languages

- (c) object-oriented languages
- (d) visual programming languages
- (e) None of these

19. Firewalls are used to protect against ____.

- (a) Unauthorized Attacks
- (b) Virus Attacks
- (c) Data Driven Attacks
- (d) Fire Attacks
- (e) All of these

20. This is a standard way for a Web server to pass a Web user's request to an application program and to receive data back to forward to the user-

- (a) Interrupt request
- (b) Forward DNS lookup
- (c) Data-Link layer
- (d) File Transfer Protocol
- (e) Common gateway interface

21. Three SQL, DDL, CREATE commands are ____.

- (a) Schema, Base and Table
- (b) Base, Table and Schema
- (c) Key, Base and Table
- (d) Schema, Table and View
- (e) None of these

22. Data are _____ in client/server computing.

- (a) never sent to the client machine
- (b) sent in very large sections to save processing time
- (c) sent only upon the client's request
- (d) sent in complete copies for the client to filter and sort
- (e) sent from the client to the server for processing

23. Which of the following will not eliminate the ambiguities of a null value?

- (a) Define the attribute as required
- (b) Define subtypes
- (c) Define each attribute as having an initial value that is recognized as blank
- (d) Define supertypes
- (e) None of these

24. The _____ directory is mandatory for every disk.

- (a) Root
- (b) Base
- (c) Sub
- (d) Case
- (e) None of these

25. This is a group of servers that share work and may be able to back each other up if one server fails.

- (a) Channel bank
- (b) Cluster

(c) Tiger team

(d) Serverless backup

(e) Logical unit

ANSWERS

1. (a) 2.(c) 3.(e) 4. (b) 5.(b) 6. (e) 7. (d) 8. (a) 9. (c) 10.(a) 11. (b) 12 (c) 13 (b) 14 (b) 15(a) 16. (c) 17 (b) 18 (d) 19 (a) 20 (e) 21. (d) 22 (c) 23 (d) 24 (c) 25 (b)

1. What do you understand by 'Authentication' and 'Encryption' in the context of system security? In this context explain

(i) Kerberos

(ii) IP Security

(iii) RSA Encryption

2. Write short notes on each of the following:

(a) Trojan Horse

(b) Smart Cards

3. Write short notes on each of the following:

(a) Trojan Horse

(b) Smart Cards

(c) Physical threats and security

(d) PGP

4. Explain the DMA controller with block diagram. What is meant by a block transfer?

What are the various phases of an instruction cycle ? Give the micro operation of fetch and decode phases

Compare Static RAM with Dynamic RAM.

5. Using NAND gate generate the AND and NOR functions

6. Which of the following services should be enabled in a secure workstation connected in an Ethernet LAN ? Give reasons for your answer.

Anacron, ftp, netfs, nfs, telnet, sendmail, SSH, syslog, SNMP, time. (Assume the LAN is

connected to the Internet but is not connected via Firewall nor is Kerberos used).

7. What is a Socket ? Write two differences between a TCP Socket and a UDP Socket.

8. What are the standard port numbers for (i) Web Server (ii) Mail Server (iii) FTP Server (iv) Telnet ?

9 What is Network Address Translation (NAT) ? Give any two advantages and two disadvantages of NAT.

10 What is VPN ? How is it useful for an organization ?

11. What is a Search Engine ? How is it useful for Internet/Intranet ? Give the names of any four Search engines.

12 What is WAP ? Give any two advantages and two limitations of WAP. Also explain its layered architecture.

Model paper GK general Awareness for Specialist officers Bank PO Exams

1. In which one of the following cases, where whole-hearing was conducted by the Trial Court through the Video Conferencing first time in India?

(A) Abdul Kareem Mulla 2006

(B) Abdul Kareem Telagi 2006

(C) Ottavio Quattrochi 2006

(D) Telephone Tapping Case 2006

2. Who was the First Secretary General of the United Nations?

(A) Trigve Lie

(B) U. Thant

(C) Kurt Waldheim

(D) Dag Waldheim

3. Which of the following is not a Constitutional Body?

(A) Union Public Service Commission

(B) Finance Commission

(C) Planning Commission

(D) Election Commission

4. Which Articles of the Indian Constitution invest extraordinary power in the Supreme Court of India?

(A) Articles, 32, 137 and 142

(B) Articles 32, 136 and 142

(C) Articles 136, 137 and 226

(D) Articles 226, 137 and 142

5. The Vice-President of India also holds one office from the followings?

(A) Chairman of Finance Commission

(B) Chairman of Rajya Sabha

(C) Chairman of Planning Commission

(D) Chairman of Privileges Committee

6. Right to Property in India is

(A) Fundamental Right

(B) Legal Right

(C) Constitutional Right

(D) None of the above

7. What is the name of Frontier Gandhi?

(A) Mohan Das Karamchand Gandhi

(B) Indira Gandhi

(C) Rajeev Gandhi

(D) Khan Abdul Gaffar Khan

8. On which date 'Law Day' celebrated in India?

(A) 26th November

(B) 28th October

(C) 2nd October

(D) 15th August

9. Who is empowered to set up Commission for the promotion of Human Rights under the U.N. Charter?

(A) The General Assembly

(B) The Economic and Social Council

(C) The Trusteeship Council

(D) The Secretary General

10. Which Committee is responsible for Tax Reforms?

(A) Janakiraman Committee

(B) Narasimhan Conunittee

(C) Malhotra Committee

(D) Chelliah Committee

11. Which one of the following cases decided by Supreme Court led to First Amendment in the Indian Constitution?

(A) Chintamani Rao Vs. State of M.P.

(B) Bihar Rajya Vs. Kameshwar Singh

(C) Shankari Prasad Vs. Union of India

(D) State of Madras Vs. Champakam Dorairajan

12. Members of International Court of Justice are elected for a period of?

(A) 5 years

(B) 3 years

(C) 9 years

(D) 2 years

13. Manu Smriti is related with?

(A) Economics

(B) Political Science

(C) Medical jurisprudence

(D) Law

14. Who has been appointed the First Chief Information Commissioner, under the Right to Information Act, 2005?

(A) Wajahat Habibullah

(B) Irfan Habib

(C) Tahir Mahmood

(d) Najma Heptullah

15. Which Act gave separate electorate rights to Muslims in India?

(A) The Indian Councils Act, 1909

(B) The Government of India Act, 1915

(C) The Government of India Act, 1919

(0) The Government of India Act, 1935

16. Stockholm Conference, on 'Human Environment' was held in the year

(A) 1972

(B) 1973

(C) 1976

(D) 1992

17. The power of Governor of a State to promulgate ordinance is given in Constitution of India in?

(A) Article-123

(B) Article-212

(C) Article-213

(D) Article-356

18. By which Amendment of the Constitution the number of Ministers was limited to 15% of the total number of the House?

(A) 91st

(B) 92nd

(C) 93rd

(D) None of the above

19. Which of the following cases is related to Constitutionality of Right to death?

(A) Maneka Gandhi Vs. Union of India

(B) Gian Kaur Vs. State of Punjab

(C) A. K. Gopalan Vs. Union of India

(D) Kharak Singh Vs State of U.P.

20. The meaning of 'Lex Loci' is—

- (A) Law of the Land is Supreme
- (B) Law of Nation
- (C) Local Laws
- (D) Law of England

21. The principle of basic structure in the Constitution was established in?

- (A) Golak Nath Vs. State of Punjab
- (B) Minerva Mills Vs. Union of India
- (C) Indra Sawhney Vs. Union of India
- (D) None of the above

22. Who is the ex-officio Chairman of 'National Child Labour Abolition Authority'?

- (A) Prime Minister
- (B) Labour Minister
- (C) Industry Minister
- (D) Social Welfare Minister

23. Jain Community has been declared as a minority community in which of the following States?

- (A) Bihar
- (B) Madhya Pradesh
- (C) Punjab
- (D) Chhattisgarh

24. "Proper respect is shown to National Anthem by standing up when the National Anthem is sung. It will not be right to say that disrespect is shown by not joining in the singing." It has been

held in?

(A) Bijoi Emmanuel Vs. State of Kerala

(B) Surya Narain Vs. U.O.I.

(C) Ram Jawaya Kapur Vs.U.O.I.

(D) Keshvanand Bharti Vs. U.O.I.

25 The Right to Information Act,2005 extends to?

(A) The Whole of India

(B) The Whole of India except Jammu & Kashmir

(C) The Whole of India except Jammu & Kashmir and Punjab

(D) None of the above

26. In which case the Dissolution of Bihar Legislative Assembly by Governor before formation of Government was declared un constitutional?

(A) Rameshwar Prasad Vs. U.O.I.

(B) K.C. Vasant Kumar Vs. State of Karnataka

(C) Inamdar Vs. State of Maharashtra

(D) Banarsi Das Vs. Teeku Dutta & Others

27.VAT is related to?

(A) Banking Service

(B) Business Tax System

(C) Life Insurance

(D) None of the above

28.How many members are nominated in Lok Sabha by the President?

(A) 1

(B) 2

(C) 10

(D) 12

29. How many Fundamental Duties are mentioned in Indian Constitution?

(A) 10

(B) 11

(C) 12

(D) 09

30. 'Right to Education' is a Fundamental Right under

(A) Article-14

(B) Article-19

(C) Article-22

(D) Article-21A

31. NACO stands for one of the following?

(A) National AIDS Control Office

(B) National AIDS Control Organisation

(C) Non-AIDS Control Organisation

(D) None of the above

32. Which Environmentalist is honoured with Padma Shri by President?

(A) Chandi Prasad Bhatt

(B) Baba Amte

(C) Sunderlal Bahuguna

(D) None of the above

33. Which of the following is related to SEBI?

(A) Banking

(B) Share Market

(C) Insurance

(D) Banking and Insurance

34. Which Article of the Indian Constitution is related to abolition of untouchability?

(A) Article-17

(B) Article-15

(C) Article-16

(D) Article-18

35. On which day World Environment Day is celebrated?

(A) 5th June

(B) 10th June

(C) 11th July

(D) 2nd October

36. Which one of the following judges referred to emergency the 'darkest chapter of the democratic history of India'?

(A) Justice H. R. Khanna

(B) Justice P. N. Bhagawati

(C) Justice V. N. Khare

(D) Justice Krishna Iyer

37. For negating the mandate of which Constitutional Provision, the Supreme Court of India has held the Illegal Migrants (Determination by Tribunals) Act, 1983 as unconstitutional?

(A) Article-249

(B) Article-355

(C) Article-11

(D) Article-359

38. What was the number of original members of the United Nations?

(A) 52

(B) 55

(C) 50

(D) 51

39. 'The Constitution establishes a System of Government which is almost quasi-federal.' This was a statement of—

(A) Sir Ivor Jennings

(B) Dr. B. R. Ambedkar

(C) Prof. K. C. Wheare

(D) Dr. Rajendra Prasad

40. Which one of the following sections of the Protection of Human Rights Act, 1993 contains the functions of the National Human Rights Commission?

(A) Section-14

(B) Section-13

(C) Section-12

(D) Section-15

41. The Finance Commission consists of—

(A) A Chairman and Four members

(B) Five members

(C) A Chairman and Three members

(D) A Chairman and Seven members

42. Who amongst the following is known as the 'Father of the Law of Nations'?

(A) Grotius

(B) Oppenheim

(C) Hobbes

(D) Manu

43. What is EURO-III?

(A) European Currency

(B) Group of European Countries

(C) European Film Festival

(D) Pollution Control Scale

44. The definition of 'Information' is given in the Right to Information Act, 2005 under—

(A) Section 2(g)

(B) Section 2 (a) (i)

(C) Section 2 (h) (a)

(D) Section 2(f)

45. World Literary Day is Celebrated on ?

- (A) 6th August
- (B) 8th September
- (C) 24th October
- (D) 10th December

46. United Nations Day is Celebrated on ?

- (A) 6th August
- (B) 8th September
- (C) 24th October
- (D) 10th December

47. International Human Rights Day is Celebrated on ?

- (A) 6th August
- (B) 8th September
- (C) 24th October
- (D) 10th December

48. Hiroshima Day is on?

- (A) 6th August
- (B) 8th September
- (C) 24th October
- (D) 10th December

49. Article-39A is associated with ?

- (A) Living wages for workers
- (B) Uniform Civil Code

(C) Separation of judiciary from executive.

(D) Free Legal Aid

49. Article-50 is associated with ?

(A) Living wages for workers

(B) Uniform Civil Code

(C) Separation of judiciary from executive.

(D) Free Legal Aid

Answers:

- | | |
|----|---|
| 1 | B |
| 2 | A |
| 3 | C |
| 4 | B |
| 5 | B |
| 6 | C |
| 7 | D |
| 8 | A |
| 9 | B |
| 10 | D |
| 11 | D |
| 12 | C |
| 13 | D |
| 14 | A |

15	A
16	A
17	C
18	A
19	B
20	C
21	D
22	D
23	B
24	A
25	B
26	A
27	B
28	B
29	B
30	D
31	B
32	D
33	B
34	A
35	A
36	D

37	A
38	D
39	C
40	C
41	A
42	A
43	D
44	D
45	B
46	C
47	D
48	A
49	D
50	C