TEST ID: 503

ACE
Engineering Academy

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ESE- 2018 (Prelims) - Offline Test Series   Test-6
GENERAL STUDIES

SUBJECT: INFORMATION AND COMMUNICATION TECHNOLOGIES SOLUTIONS

01.   Ans: (c)
Sol: Project Loon, Wimax, Li-Fi all are wireless technology, that provides internet connection to those areas where wired connections are not possible.
VSAT used by companies to access internet in remote areas.

02.   Ans: (a)
Sol: GAGAN: GPS Aided Geo Augmented Navigation.

03.   Ans: (d)
Sol: Orbiting related to satellite.

04.   Ans: (b)
Sol: Search engine is a tool that searches the websites by its keywords.

05.   Ans: (a)
Sol: A Podcast is an episodic series of digital audio or video files which a user can download and listen to.
Blog(weblog) it is an informational website.

VoIP: Voice over IP telephony, it is a technology for the delivery of voice communications and multimedia sessions over internet protocol.

RSS (Rich Site Summary): Which allows user to access updates to online content.

06.   Ans: (a)
Sol: Whenever we start PC processor first look into ROM and put OS into main memory.

07.   Ans: (d)
Sol: Presentation layer maintains looks of data.
Network layer maintains addressing.
Session layer maintains timing.
Transport layer maintains process-to-process which is end to end layer

08.   Ans: (a)
Sol: Spammer sends lots of spam mails.
Analyst and programmer used to provide software to clients.

09.   Ans: (b)
Sol: All are structural programming languages except HTML which is used to build website.

10.   Ans: (c)
Sol: With the help of hotspot, we can provide internet connections, wirelessly.

11.   Ans: (b)
Sol: High Level Languages are Java, C, C++.
Low Level Languages are those which microprocessor can understand in computer and there is no language as medium level language, it is a concept that converts high level language to low level language.

12. Ans: (d)
Sol: All are definitions of respective terms.

13. Ans: (d)
Sol: 1. CPU and memory are located on mother board.
2. Software is a set of computer programs used on computers to help perform a tasks.

14. Ans: (d)
Sol: 1. **DSL:** Digital subscriber line or loop is an example of wired connection that provides broadband connections.
2. Super computers perform complex calculations extremely rapidly.

15. Ans: (a)
Sol: Digital divide, divides the population into two groups, one have technology other does not have.

16. Ans: (b)
Sol: Operating System is the mediator between user and hardware.

17. Ans: (a)

18. Ans: (c)
Sol: Encryption is converting message to code or doing encoding.

19. Ans: (a)
Sol: CSS – Cascading Style Sheets, it is a language that describes style(font, color) of an HTML.

20. Ans: (c)

21. Ans: (d)
Sol: 1. Computer is booting, BIOS is loaded to memory by ROM.
2. Logical address is also called as IP address.

22. **Ans: (a)**

23. **Ans: (d)**
Sol: 1. Hard disk $\rightarrow$ Tracks $\rightarrow$ Sector
2. Interpreter translate a program into machine language.

24. **Ans: (a)**
Sol: 1. **TCP/IP:** Transmission Control Protocol/Internet Protocol is mandatory to connect to the internet.
2. Microsoft office is not programming language, it is an application software.

25. **Ans: (a)**
Sol: **IMAP:** Internet Message Access Protocol
POP3: Post Office Protocol Versions3
DNS: Domain Name System
DNS converts website to IP address, which is not related to email. IMAP and POP3 are related to email. It is used to download mail from servers.

26. **Ans: (a)**
Sol: 1. Modem converts analog signals to digital and vice versa and that is why we need it to connect to internet.
2. Formatting is the process of dividing the disk into tracks and sectors.

27. **Ans: (d)**
Sol: Processor is the only part that executes in computer.

28. **Ans: (d)**
Sol: **MAN:** Metropolitan Area Network
VOIP: Voice over IP

29. **Ans: (b)**
Sol: Iaas, Paas, Saas all are related with cloud computing. Cloud computing provides elasticity, such users can increase the volume of data and if number of user's will increase the cloud computing will adjust it, this property is called as scalability.
Digital signature is that we can sign the documents and send it.

30. **Ans: (d)**
Sol: Gyandoot has been, implemented in madhya pradesh, it is a knowledge centre that provides information's to farmers.
Bhoomi project, it is online land registration which has been implemented in KARNATAKA.

31. **Ans: (c)**
Sol: MCA21 it is a project has been implemented by Ministry of Corporate Affairs, that provides various information related corporates.

32. **Ans: (d)**
Sol: State government of Andhra Pradesh has given A.P state Enterprise Architecture (APSEA) as e-Pragati which is different than PRAGATI by GoI and e-Pragati developed by Wipro.

33. **Ans: (b)**

34. **Ans: (c)**
Sol: Business 2 customers commerce always trying to reach to the customers, but sometimes with problem such as security issues.

35. **Ans: (b)**
Sol: All are property of digital signature, non repudiation, where sender identity can be find out easily.

36. **Ans: (d)**
Sol: All are true, but disaster is not related to providing security to e-commerce.

37. **Ans: (c)**
Sol: All are disadvantages, but cyber laws are there in India.

38. **Ans: (c)**

39. **Ans: (b)**
Sol: VPN is providing private connection over public internet.

40. **Ans: (c)**
Sol: GSM family contains GSM, GPRS, EDGE, HSPA CDMA but not DSL.

41. **Ans: (d)**
Sol: All technology uses unlicensed frequency that falls in 2.4 to 5.8 GHz.

42. **Ans: (d)**
Sol: Due to spherical in nature it can not propagate to larger distance.

43. **Ans: (a)**
Sol: First cathode-ray tube and then plasma and then light emitting diode came into market and now OLED.

44. **Ans: (d)**
Sol: In cable connection, optical fibre carries more data than all in fact it carries more data than wireless also.

45. **Ans: (d)**
Sol: Computer is digital device and signal into wires are analog signals. So that we need modem to connect computer to wires that's why modem property is conversation.

46. **Ans: (a)**
Sol: It is one of the property of radio waves.

47. **Ans: (c)**
Sol: Bit coin it is crypto currency that uses encryption and decryption.
Encryption converts message to code while decryption converts code to message.

48. **Ans: (d)**
Sol: IPv4-32 bit IPv6 -128 bit, to accommodate billions of computers we need higher bits that's why IPv6 will replace IPv4.

49. **Ans: (b)**
Sol: Private connections are dedicated connections.
VPN(Virtual Private Network) it is private connections over public internet.

50. **Ans: (b)**
Sol: GSM was focused on voice calling but it does not focus on data that's why GPRS came into market.

GATE TOPPERS

Rank	Branch	Name
1	EC	PRAMOD
1	ME	SUDHEER
1	ME	HASAN ASIF
1	EE	SHIVAM SINGH
1	CE	ABDUL RAKESH
1	CS	DEVAL N PATEL
1	IN	NAVEEN
2	EC	SREE KALYANI
2	CE	PUNEET KHANNA
2	IN	RAHUL MAHATO
2	IN	SHUBHAM BANSAL
2	PI	GAURAV DHAUDIYAL
3	EC	KARUN
3	EE	RAVI TEJA
3	ME	PRADIP BOBADE
3	CS	RAVI SHANKAR
3	CE	ANKUR TRIPATHI
4	EC	SONU SHARMA
4	EE	SARFRAJ NAWAZ
4	CE	CHIRAG MITTAL
4	ME	GAUSH ALAM
4	IN	MONTI
4	PI	Sanghamitra Adhikari
5	IN	VRAJESH SHAH
5	PI	ANKIT TIWARI
6	EC	LIKHITA SAI UPPU
6	CS	MEGHASHAYAM
6	EE	RAJASEKHAR REDDY
6	IN	RAMESH KAMULLA
6	PI	PINAL KUMAR RANA
7	IN	PANKAJ MISHRA
8	ME	DIVYANSHU JHA
8	PI	Mona Bhargava
9	EC	Anand Uppada
9	CS	Nitin Ranjan Sahoo
9	ME	DHRUV KUMAR JHA
10	EC	AMIT RAWAT
10	ME	ANKAN GUPTA
10	EE	SURAJ DASH
10	IN	HIMANSHU MUDGAL
10	IN	NIKHIL DHYODGE

ESE TOPPERS

CE

Rank	Branch	Name
1	CE	NAMIT JAIN
2	CE	PRAVIND SINGH
3	CE	ANKIT
6	CE	RISHABH DANGAYACH
8	CE	ADITYA SINGH
9	CE	HIMANSHU GAUTAM
10	CE	AYUSH DUBEY

7 IN TOP 10 RANKS

🏆 **7**

All India 1ˢᵗ Rank in **ESE.**

E&T

Rank	Branch	Name
2	E&T	SUDHANSHU CHAUDHARY
3	E&T	KHULLUR SRINIVASULU
5	E&T	AMIT GAUTAM
6	E&T	SUBHRANGINI MISHRA
7	E&T	DEVADURGAM PAVAN KUMAR
8	E&T	DEEPALI GOYAL
9	E&T	ABHISHEK PRATAP SINGH
10	E&T	UMESH

8 IN TOP 10 RANKS

EE

Rank	Branch	Name
2	EE	PREETI KUMARI
3	EE	SUBHACHANDRA SINGH
4	EE	HARSHIT KUMAR SINGH
5	EE	NIKHIL KUMAR
6	EE	DUSHYANT SINGH
8	EE	APOORVA GUPTA
9	EE	KIRAN BABU KONERU

7 IN TOP 10 RANKS

and many more…

ME

Rank	Branch	Name
3	ME	SAURABH
4	ME	AMIT KUMAR RAI
6	ME	ANKAN GUPTA
7	ME	DHRUW JHA
9	ME	ACHARAJ GUPTA

5 IN TOP 10 RANKS

🏆 **27**

Ranks in Top 10 in ESE-2017

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