Sl. no	Question	A	B
1	How standards are helpful in achieving federated architecture in India	Ensure common meaning of data across the different provider applications	Ensure security and privacy for patient health data during exchange
2	NDHB stands for:	**National Digital Health Blueprint**	National Digital Health Base
3	Drug-Drug allergy interaction notification is part of which function?	Pharmacy Order	Pharmacy Issue
4	Govt. funded healthcare schemes have faced major challenges, that include:	Low enrolment of entitled beneficiaries	**Low participation by service providers**
5	National Digital Health Blueprint recommends following architecture for Health Applications in India	Centralized Architecture	Decentralized Architecture
6	What is an immediate precursor step to an application's go live phase?	Requirement Gathering	Configuration
7	The fuzziest boundaries of Healthcare Governance were found in:	Capacity	**Regulation**
8	What are the Design Principles recommended in NDHM?	Patient data privacy and data protection	Mobile first and Cloud first
9	Proposed HIE deployment model in India is	**Multiple HIE at state level connected with the central HIE**	One HIE across the country
10	Difference between EMR and EHR is	EMR stores patient electronic health records stored at a provider organization	EHR stores patient electronic health records stored at a provider organization and that provider can exchange patient records with other providers based on patient consent
11	What is required in an HIE Data Exchange	Common Record formats as minimum data sets for Interoperability of clinical data	Standard valuesets and code directories
12	Fuzzy Boundaries of Healthcare Governance were evaluated along the following stages of healthcare	Direct care	Supportive care
13	A Fully Regulated market has what kind of governance?	Network Governance	**Market Governance**
14	CPOE is?	**Computerized Physician Order Entry**	Co Parenting in Elementary Children
15	Choose the correct sequence:	Knowledge --> Data --> Information --> Wisdom	**Data --> Knowledge --> Information --> Wisdom**
16	What is e- prescription?	Scanning of a handwritten prescription	**Computer- based electronic generation, transission and fillling of a medical prescription.**

	Question		
17	What does SNOMED CT stand for?	**Systematic nomenclature of medicine and coding terms**	Systematized Nomenclature of medicine and coding terms
18	The core NDHM digital building blocks that enable an interoperable ecosystem are:	DigiDoctor	Health Facility Registry
19	Which on eof the following is NOT an application software?	MS Office	PDF Reader
20	Which one of the following is NOT the component of an e-prescription ?	Prescriber	Transaction Hub
21	What is the fullform of OPAC?	Onsite Platform Access Chip	On Public Available Card
22	Which one of the following is NOT the component of Computer hardware system ?	Keyboard	CPU
23	What is an API?	An API is an application	**An API is a software intermediary that allows two application to talk to each other**
24	What does LIMS stands for?	Lab Infrastructure Management System	**Lab Information Management System**
25	Which one of the following is NOT the type of Software ?	System software	**Multimedia unit software**
26	What is the fullform of PDP?	Public Data Protection	Personal Data Privacy
27	What is the objective of standards?	To maintain the record of patients	**Interoperability**
28	What does FHIR stand for?	Fast Health Information Record	**Fast Healthcare Interoperability Resources**
29	The ability of computer system to exchange data with unambiguous, shared meaning is called as _____.	**Semantic interoperability**	Syntactic interoperability
30	In NDHM FHR network, health information is interchanged by using which of the following standards?	LOINC	SNOMED CT
31	Cloud computing means	Computing using the satellite	Computing using cloud chamber technology
32	Why is FHIR necessary to clinicians?	**It leverages the most recent internet standards and applies a decent specialise in ability across care settings and disciplines.**	It's a regular specification specific to the requirements of nursing ability.

#	Question	Option A	Option B
33	Facts and figures that are used by the programs to produce useful information are called	Software	**Data**
34	FHIR is designed to:	To audit the record	**To exchange the health information of patients**
35	What is the full form of SOAP?	**Subjective, Objective, Assessment Plan**	Strategy Making, Object oriented, AI, Processing
36	What is the Drug Master?	**Master data for drugs**	Master of drug dispensing
37	How do you define an Episode?	Enterprise care for a certain diagnosis and related events	Early care for a certain diagnosis and related events
38	What is an Encounter?	**Visit of a patient to the healthcare facility**	Visit of a doctor to the healthcare facility
39	What is the purpose of eHealth?	**Using IT platforms for improving healthcare**	Giving mobile phone free to doctors
40	Proposed HIE deployment model in India is:	**Multiple HIE at state level connected with the central HIE**	One HIE across the country
41	What is the Billing Master?	**Master data for billing**	Master of billing process
42	EHR implementation process generally follows the following steps. Choose one correct option:	**Requirements gathering ---> RFI and RFP ---> Selection team building ---> Evaluate RFI and RFP responses ---> Ranking of vendors to create a shortlist ---> Selection ---> Vendor demonstrations ---> Planning and go-live preparation**	Selection team building ---> Requirements gathering ---> RFI and RFP ---> Evaluate RFI and RFP responses ---> Ranking of vendors to create a shortlist ---> Vendor demonstrations ---> Selection ---> Planning and go-live preparation
43	What is the fullform of DICOM ?	Digital Image and Contacts in Medicine	**Digital Imaging and Communications in Medicine**
44	Which of the following is not true:	A common record format is required for exchanging data in proposed EHR architecture in India	The data layer should conform to MDDS and EHR Data standards.
45	LOINC is used for	Classifying disease codes	Reporting clinical outcomes
46	What is meant by Alerts and Reminders in	**Healthcare-IT product giving Alerts and Reminders to doctors and patients**	Administrator giving Alerts and Reminders to doctors and patients
47	ICD10 WHO codes stand for	**International Classification of Diseases – Tenth Revision World Health Organization**	International Coding of Diseases – Tenth Revision World Health Organization

48	What is true about EHR Registry	A EHR registry stores the indexes of all clinical documents which are stored in multiple federated repositories.	There is only one EHR Registry per HIE instance
49	SNOMED standard is useful to achieve	syntactical interoperability	**semantic interoperability**
50	How national registry data will be accessed by health IT applications	**Accessing registry by using online open APIs (application programming interface)**	Downloadable data provided at regular interval to Health IT applications
51	Which of the following is true about Health Information Exchange	Registeries provide unique identifiers for the facility, providers and patients.	Each exchange has a single EHR registry and multiple federated repositories.
52	Why standards are needed in Healthcare applications	To ensure common meaning of data across the healthcare applications	~~To drive data backed health resource planning~~
53	Which of the following is true about Directed exchange	Provider is able to exchange patient electronic data with another provider through a unencrypted email	**Provider is able to exchange patient electronic data with another provider through an encrypted , secure and reliable messaging**
54	Which module deals with management of sterilized equipment and consumables.	Inventory Management	**CDSS**
55	What is the term used to describe the use of computerized tools to create and sign prescriptions?	point of care prescribing	**E-prescribing**
56	Which process is not directly supported by a clinical knowledge management system?	Centralized prioritization of knowledge management implementation tasks	Centralized request management for changes in the knowledge base
57	Which one of the following is NOT a type of Storage Virtualization ?	Block Level Storage Virtualization	File Level Storage Virtualization

#	Question	Option A	Option B
58	An integration server receives _____, transforms it into the required _____ and transmits them to the _____. Fill in the blanks with correct option	Data Type; Data; Target	**Data; Target Format;Target System**
59	Which one of the following is NOT true about the Networks	LAN's ownership is private.	MAN's design and maintenance is difficult than LAN.
60	NDHM supports the FHIR bundles conforming to	**NRCeS FHIR profiles published by NRCes Resource Center CDAC Pune**	Base US FHIR profiles published by HL7 international United States
61	A _____ is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another.	DigiLocker	**Docker Container**
62	Microsoft Windows is an example of which component of information systems?	Hardware	**Software**
63	What is the major barrier in Telemedicine?	Cultural Barriers	Regulatory Challenges
64	What is meant by Business Intelligence	**It is a collection of computer-based techniques used in extracting, identifying and analyzing business data**	Intelligence adopted by Businesses
65	_____ is a fully connected mesh network topology	Bus topology	**Star topology**
66	What is the fullform of HIPAA	**Health Insurance Portability and Accountability Act**	Health Intelligence Portability and Accountability Act
67	What does CAUSE Methodology for Process mean:	Integration management methodology for managing process integration	Clinical management methodology for managing chemical changes
68	What is the fullform of PACS	**Picture Archival and Communication System**	Picture Archival and Connection System
69	Monitoring patient blood sugar levels at home through a glucometer attached	Intranet	Internet
70	What is meant by EMR Security	Securely isolating the EMR data	EMR data locked in tapes

C	D	E
Common formats of data exchanged across provider applications	**All the above**	
National Digital Health Board	None of the above	
CDSS	None of the above	
None of the above	a and b	
Federated Architecture	Hybrid Architecture	
Coding	**User Acceptance Testing**	
a and b	None of the above	
Federated architecture	Compliance of EHR and MDDS standards	**All of the above**
Each state has one HIE which are connected to each other with no central HIE	None of above	
a and b	None of the above	
National Registries	Vocabularies for standard clinical terms and coding	**All of the above**
a and b	None of the above	
Bureaucratic Governance	None of the above	
Co Promotion of Ecosystem	College of Proteomics and Exome	
Information--> Knowledge --> Data--> Wisdom	Information--> Data--> Knowledge--> Wisdom	
Online storing of the scanned prescription	None of the above	

Systematic novel of medicine and clinical terms	Systematised nomenclature of medicine and clinical terms	
Consent Manager and Gateway	Health ID	**All of the above**
Antivirus	Browsers	
Pharmacy with e-precribing software	**IOTs**	Pharmacy Benefit Manager
Online Public Access Catalogs	Online Private Access Catalogs	
Operating system	Modem	
An API is an Operating System	An API is the name of the device	
Laboratory Information Messaging System	Lab Instruction Management System	
Application software	Utility Software	
Personal Document Protection	**Personal Data Protection**	
Quality Control	All of the above	
Fire Health Information Response	Fast Health Information Record	
Encryption	None of the above	
HL7 FHIR	ICD 10	
Computing which results in errors	**Shifting computing power from offline PCs and Laptops onto the Web**	
FHIR has specific resources that apply solely to medical care.	FHIR has no implications for clinical ability	

Hardware	Procedures	
To maintain the data of patients	All of the above	
Simple, Object oriented Artificial Processing	None of the above	
Master Admin for billing	Mastering the art of drug making	
Episode of care for a certain diet and related events	**Episode of care for a certain diagnosis and related events**	
Meeting of a person with the military	Engage a criminal in a gun battle	
Giving mobile phone free to patients	Making IT platforms more user friendly	
Each state has one HIE which are connected to each other with no central HIE	None of above	
Master Admin for billing	Mastering the art of billing	
Selection team building ---> RFI and RFP ---> Evaluate RFI and RFP responses ---> Vendor demonstrations ---> Selection --->Requirements gathering ---> Ranking of vendors to create a shortlist ---> Planning and go-live preparation	Selection team building ---> RFI and RFP ---> Evaluate RFI and RFP responses --->Requirements gathering ---> Ranking of vendors to create a shortlist ---> Vendor demonstrations ---> Planning and go-live preparation ---> Selection	
Double Imaging and Communications in Medical	Digi Image and communications in Medical	
E-objects are the connectors of interoperability	**All of the above**	
Standards for medical laboratory observations	None of the above	
Doctor giving Alerts and Reminders to patients	Patient giving Alerts and Reminders to Doctors	
International Categories of Diseases – Tenth Revision World Health Organization	None of the above	

EHR Registry is centrally managed by HIE	**All of above**	None of above
all above	none of above	
Data published on data.gov.in site and anybody can download it	None of the above	
Data standards like SNOMED-CT, ICD-10 play a crucial role for semantic interoperability of data exchange	**All of the above**	
To derive meaning data insights from the health data to deliver quality indicators and MIS reports	**All of the above**	
Provider can query for patient data from another provider.	All of the above	
OT module	ADT	
DUR	None of these	
Monitoring clinicians' usage of clinical decision support systems	Versioning of knowledge assets	
Folder Level Storage Virtualization	Both A and B	

Information; Data; Format	Data; Data Format; Information	
WAN stands for wide area network.	**In WAN, there is more fault tolerance than LAN.**	
Implementers can decide themselves on the custom FHIR profile structures supporting messaging structures for exchange	None of the above	
Open API	Transaction Hub	
Data	Process	
Financial Barriers	**All the above**	
Intelligent Processing of Business Data	Data collected intelligently for Business processing	
Ring Topology	Both b and c	
Health Integration Portability and Accountability Act	Health Insurance Probability and Accessibility Act	
Change management methodology for managing process changes	Clinical management methodology for managing business changes	
Portal Archival and Communication System	Primary Archival and Creative System	
Telehealth	Tele net	
EMR under lock and key	**EMR data being securely captured, securely stored and reliably retrieved**	