

Section 1 - ICT in Teaching and Learning

1) Which of the following facilities are provided by E-Research?

- A) Simulation Software.
 - B) All can be done.
 - C) Documentation Tools.
 - D) Development tools.
-

2) The Blended Classroom is a teaching and learning model where

- A) Students attends the classroom lectures teaching and learning.
 - B) Students attends the class prior to taking part in ICT enabled learning activities like reading and/or watching lectures or interacting with on line econtent on their own time.
 - C) Students take part in ICT enabled learning activities like reading and/or watching lectures or interacting with on line econtent on their own time prior to attending class.
 - D) Students takes part in ICT enabled learning activities like reading and/or watching lectures or interacting with on line econtent on their own time.
-

3) Creative Commons (CC) Vocabulary BY-NC-SA stands for

- A) Attribution Non Commercial- This license lets others remix, tweak, and build upon your work non-commercially, and although their new works must also acknowledge you and be non-commercial, they don't have to license their derivative works on the same terms.
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4) Virtual Reality mainly used for?

- A) Learn By Doing.
 - B) Better Sense of Place.
 - C) Visual Learning.
 - D) All mentioned are correct.
-

5) In E-Library Which Type Of Resources We Can Access?

- A) All mentioned are correct.
 - B) Books.
 - C) Articles.
 - D) Question Papers.
-

6) The purpose of 'data protection' is to

- A) Reduce Project Failures
 - B) Protect Personal Privacy
 - C) Increase the security of computer systems
 - D) Prevent Virus
-

7) What are the Advantages of E-Journals?

- A) Allows remote access.
 - B) Saves physical storage space.
 - C) All mentioned are correct.
 - D) Provides timely access 24x7x365.
-

8) Which Types of Resources are available in NMEICT-NPTEL project of India?

- A) CEC e-Content
 - B) NPTEL Engg. Media Content and Spoken Tutorial
 - C) e-Content Repositories
 - D) All are correct
-

9) Which Hardware Equipment is used For Virtual Reality?

- A) All mentioned are needed.
 - B) Data Gloves.
 - C) Handheld Virtual Reality Controller.
 - D) Head-Mounted Displays (HMDs).
-

10) For which of the following activity, Clicker device cannot be used

- A) Clear doubts of students.
 - B) Take class attendance.
 - C) Quickly evaluate students through MCQ.
 - D) Collect feedback from students.
-

11) Intellectual Property (IP) refer to

- A) refers to not using creative commons knowledge and creativity
 - B) refers to Copyright law
 - C) refers to avoiding Plagiarism
 - D) refers to creations of the mind, such as inventions, literary and artistic works, designs etc.
-

12) Which Types of Questions are possible to be asked in Interactive Videos?

- A) Multiple Choice Questions.
 - B) Missing Words.
 - C) True or False.
 - D) All are correct.
-

13) The following is not the function of e-tutor in context of online teaching and learning

- A) Use Chalk and Board Method in Classroom
- B) Instructional Design Function to implement new pedagogy
- C) Academic Function as Subject expert
- D) Social Function to motivate in e-learning

14) Learner centred learning environment involves

- A) Focus on Product and end of semester exams
 - B) Collaborative, Interactive, real-life problem-solving experiences
 - C) Teacher role as information provider
 - D) Focus on Drill and Practice tasks
-

15) Linux OS is?

- A) Spread Sheet
 - B) Open Source OS
 - C) Document Viewer
 - D) Proprietary OS
-

16) According to Dr. Bruno Frast which, of the following actions are most effective for highest rate of remembrance:

- A) See and say.
 - B) Read and Listen.
 - C) Read, say and Do.
 - D) Read, listen, see, say and do.
-

17) Which of the following is not considered a benefit of smart classroom

- A) Teachers can do experiments in pedagogy.
 - B) Provide collaborative learning environment.
 - C) Provide rich learning experience.
 - D) Enhance Human Values.
-

18) Which phase of instructional design is present in each stage of ADDIE model?

- A) Design
- B) Evaluation
- C) Analyze
- D) Development

19) Firewalls are used to protect against

- A) unauthorized access
 - B) virus attacks
 - C) fire attacks
 - D) data driven attacks
-

20) A platform for research students to submit their Indian Ph.D. theses and make it available to the entire scholarly community in open access.

- A) Shodhganga.
 - B) Coursera.
 - C) E-Prints.
 - D) SWAYAM Portal.
-

21) Which of the following is file extensions for video files?

- A) .swf
 - B) .jpg
 - C) .mp3
 - D) .mpeg
-

22) Which one is not an LMS Standard

- A) TCPIP
 - B) IEEE Learning Object Metadata
 - C) SCORM
 - D) AICC compliance
-

23) In India, which of the following is an E-Library?

- A) SWAYAM.
- B) NDL.
- C) MHRD.
- D) CMS.

24) Which of the following is not a desirable point to design a flip class?

- A) Decide where and when to flip the class.
 - B) Organizes content to engage learner for exposure before class.
 - C) Design suitable classroom-based activities to enhance students learning.
 - D) Conduct face-to face- lecture session before student view video recorded lecture.
-

25) Which of the following tool is used by students to post a question to the presenter during a class in AVIEW Video Conferencing Software?

- A) Quiz.
 - B) Hand raise.
 - C) Question and answer.
 - D) Viewer.
-

26) The following is not function of e-tutor as Instructional Designer

- A) Academic function for content and assessment
 - B) Design e-Learning environment
 - C) Selection of tools and methods to address learner needs
 - D) Explore new Pedagogy
-

27) SPOC does not support?

- A) Teacher Directed Learning
 - B) Learner Centred learning
 - C) Flipped classroom learning
 - D) Blending classroom learning
-

28) The Spoken Tutorial is audio video tutorial where an expert explains the working of a software by-

- A) a running commentary.
- B) demonstrating it on the screen.
- C) demonstrating it on the screen, along with a running commentary.
- D) an animation.

29) LMS stands for

- A) Learning Machine System
 - B) Learning Management Software
 - C) Learning Management System
 - D) Learning Management Security
-

30) A Video that allows us to select one or more options while the video is playing is called?

- A) High Definition (HD) Videos.
 - B) Animated Video.
 - C) Interactive Videos.
 - D) All are correct.
-

31) Massive Open Online Course (MOOC) refer to

- A) An online learning situation where a small group of learners have access to customized/ tailored course on network of an organization in tens or hundreds or few thousand.
 - B) A course offered by an organization.
 - C) An online course taught to thousands or tens of thousands of students at once.
 - D) A course taught in an open and distance mode.
-

32) The Conventional Behaviourist theory of learning assumes

- A) Information processing by human senses leads to understanding and retention.
 - B) Knowledge is not passively accumulated, but rather, is the result of active cognizing.
 - C) All behaviours are either reflexes produced by a response to certain stimuli in the environment.
 - D) Construct knowledge of the world based on individual experiences.
-

33) SPOC refers which type of platform?

- A) Open
- B) Private
- C) Personal
- D) Public

34) What is full form of VRML.

- A) Virtual Reality Mounted Language.
 - B) Virtual Reality Markup Language.
 - C) Virtual Reality Managing Language.
 - D) Virtual Reality Measure Language.
-

35) Which of the following is a downside of flipped learning?

- A) Classroom sessions are more activity based.
 - B) Make students more responsible for learning.
 - C) It reduces the scope of developing critical thinking skills in students.
 - D) Teacher does not have control over outside-class activities of students and the Students may skip it.
-

36) VIRUS stands for

- A) Very Intelligent Result Until Source
 - B) Vital Information Resource Under Siege
 - C) Viral Important Record User Searched
 - D) Very Interchanged Resource Under Search
-

37) It is a mediated environment which creates the sensation in a user of being present in a (physical) surrounding.

- A) VR
 - B) HMD
 - C) GUI
 - D) WWW
-

38) Which of the following is a room-Scale 3D painting virtual reality application which is available from Google?

- A) Google Earth VR.
- B) Tilt Brush.
- C) Google Daydream.
- D) Avegant Glyph.

39) Which of the following is not a feature of web conferencing-based e-learning tool

- A) Application sharing.
 - B) One-to-many audio-video conversation.
 - C) Use of Virtual reality tools.
 - D) Communication through Chat.
-

40) Storage where all E-Journals are in an organized collection of information is called?

- A) All mentioned are correct.
 - B) E-Database.
 - C) E-Commerce.
 - D) E-Research.
-

41) Which of the following is a limitation of online lecture delivery?

- A) Limited interaction when audience size is large.
 - B) It is not cost effective in any case.
 - C) It cannot be accessed using mobile devices.
 - D) Its outreach is limited.
-

42) An open access repository of Indian research in progress.

- A) NDL
 - B) NEICT-NPTEL
 - C) SWAYAM
 - D) ShodhGangotri
-

43) Identify which is not a MOOC Platform

- A) MOODLE
- B) UDACITY
- C) COURSERA
- D) SWAYAM

44) Which of the following is false about M-learning?

- A) It is available everywhere
 - B) Learning activities can be customized
 - C) It is best suitable for micro content
 - D) It is not cost effective
-

45) E-Journals are also known as

- A) Electronic Serials (E-Serials).
 - B) All mentioned are correct.
 - C) Virtual Classroom.
 - D) Electronic Research (E-Research).
-

46) A ----- is a computer program that can replicate itself and spread from one computer to another.

- A) Mouse
 - B) Antivirus
 - C) Computer Virus
 - D) PenDrive
-

47) Which of the following is false about individualized learning?

- A) The academic goals, in the case of individualized learning remain the same for group of students.
 - B) Instruction is adjusted or regulated to meet the pace and learning needs of group of students.
 - C) Learning strategies are based on students' entry level, and their aptitude.
 - D) Instruction is customized so as to fulfill the learning needs, preference and goals of individual learner.
-

48) Which of the following is a limitation of synchronous mode of learning?

- A) Students can interact with their teachers but not with other students.
- B) Synchronous tools are not effective for learning.
- C) Students cannot interact with their teachers in real time.
- D) It is not flexible in terms of point in time.

49) Which of the following is a feature of Asynchronous learning mode?

- A) Participants cannot communicate with each other.
 - B) Participants communicate at different time using the same communication tool.
 - C) Participants communicate at same time using the same communication tool.
 - D) Participants communicate at same time using different communication tool.
-

50) The term for systems used for capturing, storing, retrieving, processing and transmitting data is called as

- A) Internet & Information Technology
 - B) Information & Computer Technolog
 - C) Internet & Communication Technology
 - D) Information & Communication Technology
-

51) Phishing is a form of

- A) Identify Theft
 - B) Spamming
 - C) Scanning
 - D) Impersonation
-

52) To protect yourself from computer hacker, you should turn on a

- A) Script
 - B) Antivirus
 - C) Firewall
 - D) VLC
-

53) Small Private Open Course (SPOC) refer to

- A) a course offered by an organization
- B) a course taught to thousands or tens of thousands of students at once
- C) a course taught in an open and distance mode
- D) An online learning situation where a small group of learners have access to customized/ tailored course on network of an organization in tens or hundreds or few thousand

54) Which of the following is not a benefit of Synchronous learning?

- A) Students can collaborate in real time.
 - B) Students can interact with their teacher as well as their peers.
 - C) It enables students to avoid feelings of isolation.
 - D) Students can interact at their preferred time.
-

55) Which of the following statement is true about Synchronous learning.

- A) Activity takes place in real time and the teacher and student must have a common tool for communication.
 - B) Activity takes place in offline mode and the teacher and student can use different tools for communication.
 - C) Activity takes place in offline mode and the teacher and student must use a common tool for communication.
 - D) Activity takes place in real time but teacher and student can use different tools for communication.
-

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-

57) Which of the following statement is true for blended learning?

- A) It stress to learn through online learning mode only.
- B) Traditional classroom learning is integrated with technology based learning.
- C) In Blended learning face-to-face classroom activity is eliminated.
- D) In-class activity and off-the class activities are reversed.

58) What is 'malware'?

- A) A Trojan horse
 - B) A hacker tool
 - C) A corrupted program
 - D) A Virus or worm
-

59) A language used for modelling virtual reality over the internet?

- A) VRML.
 - B) COBOL.
 - C) HTML.
 - D) XML.
-

60) Which of the following tool is used to view the archived lectures by students?

- A) Library.
 - B) Recording and playback.
 - C) Viewer.
 - D) Video sharing.
-

61) The first phase of hacking an IT system is compromising of which foundation of security?

- A) Availability
 - B) Integrity
 - C) Confidentiality
 - D) Authentication
-

62) Which is not a Digital Media?

- A) Andriod Application Data
- B) Graphic, Pictures, Video used in Power point Presentations
- C) Print News Paper
- D) Twitter, Face book messages

63) For which of the following situation opaque projector is not suitable

- A) Display a diagram from a book.
 - B) Showing the process of punching a wire in a small connector.
 - C) Display electronic slide show presentation.
 - D) Display magnified view of an object.
-

64) According to the Information Processing theory of learning

- A) Student is Receptor of Knowledge
 - B) Student Constructs his/her Knowledge
 - C) Student learning is based on his/her abilities and liking
 - D) Student actively engages in learning
-

65) The Major roles of e-tutor in an online teaching and learning is/are as

- A) Managing and administering technology server for E-learning.
 - B) Facilitator.
 - C) Facilitator, Guide, Coach and a Mentor, Instructional Designer, Subject Expert, Technology Expert, Administrator & Manager.
 - D) Facilitator, Guide, Couch and Mentor.
-

66) Which of the following is a drawback of m-learning?

- A) Learning gets affected due to mobility of learner.
 - B) It is not flexible in learning.
 - C) It leads to slow rate of learning.
 - D) Physical limitation of mobile devices may become an issue.
-

67) Which option is used by students to clarify doubts instantly with teacher during the running session in AVIEW Video Conferencing Software?

- A) Hand raise.
- B) Instant messaging.
- C) E-Mail.
- D) Chat.

68) Which of the following is not an Implication for teaching and learning in flipped approach of learning?

- A) Activities are basically led by students.
 - B) Make students more responsible for learning.
 - C) The flipped learning makes up a role change for teachers and students.
 - D) Activities are directed and controlled by teachers in highly structured manner.
-

69) Which of the following is not true related to SPOC?

- A) SPOC is online learning platform
 - B) MOODLE is a SPOC Platform
 - C) Only limited student can participate in SPOC
 - D) SPOC are Massive Open Courses
-

70) Which one of the following is an open source software?

- A) Microsoft Excel
 - B) Windows OS
 - C) Mozilla Firefox
 - D) Microsoft Office
-

71) E-Library is also called?

- A) E-Resource.
 - B) E-Research.
 - C) E-Commerce.
 - D) Digital Library.
-

72) The DREAMSTUDY LMS is a

- A) A European based platform
- B) To Sell your courses or train your employees
- C) LMS developed by e-learning agency based in the East Midlands, UK
- D) Platform for education, consulting and communication

73) Which of the following is true about Asynchronous learning tool?

- A) Students are able to go through the lessons/course at their own pace and time.
 - B) Students do not have provision to interact with teachers.
 - C) Students are able to go through the lessons/course at a fixed time.
 - D) Students can interact with teacher in real time.
-

74) SPOC stands for?

- A) A type private online course
 - B) Training centre
 - C) A university
 - D) A school
-

75) In the Emerging Constructivism View of Learning Process, the learning is

- A) Active
 - B) Passive
 - C) Collaborative, interactive Construction of knowledge
 - D) Product focused
-

76) To protect a computer from virus, you should install_____ in your computer.

- A) Disk cleanup
 - B) Disk fragmentation
 - C) Backup wizard
 - D) Antivirus
-

77) Which form of digital resource that does not supports research?

- A) E-Library
- B) E-Journal
- C) E-Reservoir of Synopsis and Thesis
- D) E-Kiosk

78) Which of the following equipment is not crucial part of smart classroom

- A) Overhead projector.
 - B) Chalk Board.
 - C) Student response system.
 - D) Opaque projector.
-

79) What is the most important activity in system hacking?

- A) Changing configuration
 - B) Cracking passwords
 - C) Information gathering
 - D) Escalating privileges
-

80) Which of the following comes under open educational resources?

- A) Learning objects
 - B) All mentioned are correct
 - C) Textbooks
 - D) Audio-video lectures
-

81) Learner Directed Learning does not include

- A) Classrooms, LCD Projectors
 - B) SPOC
 - C) Virtual Labs
 - D) MOOC
-

82) The role of teacher in blended learning is

- A) Mentor.
- B) Class administrator.
- C) Counsellor.
- D) Facilitator.

83) The bridging of digital divide can be done by

- A) Equal Access
 - B) Restricted Access
 - C) No Access
 - D) Selected Access
-

84) The more inclusive emerging trends in Learner Directed Learning include

- A) OER, Video Tutorial and interactive video tutorial, Virtual Labs, Virtual Reality, SPOC, MOOC, Mobile Learning
 - B) Webcasting using A-VIEW
 - C) Classrooms, LCD Projectors
 - D) TV, Electronic Smart Boards
-

85) Which of the following point is most consistent with John Dewey's approach?

- A) Learning requires a balance between providing knowledge and accounting for the interest and experience of students
 - B) The learner is an active learner, not a passive observer
 - C) Children can absorb knowledge through repetitive exposure to material without active engagement
 - D) The teacher is a facilitator or partner in the learning process
-

86) To apply blended approach in learning which of the following is an appropriate strategy

- A) First, decide learning objectives, and then decide the appropriate teaching strategy, and ways of assessing the students' learning.
- B) First, decide appropriate teaching strategy, and then decide learning objectives and ways of assessing the students' learning.
- C) First, decide ways of assessing the students' learning, then decide the appropriate teaching strategy, and finally set the objectives.
- D) Any approach from the above is appropriate.

87) The Primary Function of an LMS is

- A) Update the online training content
 - B) To participate in online training
 - C) To manage an online learning environment
 - D) Store and track information
-

88) HMD stands for?

- A) Head Mounted Display
 - B) Head Masked Display
 - C) Head Made Display
 - D) Head Mounted Detection
-

89) What is short form of malicious software?

- A) Malware
 - B) Moleculewar
 - C) Malisoft
 - D) Malairasoft
-

90) Teacher centred learning environment involves

- A) Teacher evolving collaborative learning environment
 - B) Teacher evaluating portfolios and performance
 - C) Teacher role as information provider
 - D) Teacher as guide and coach
-

91) Which of the following is not true about e-Notepad?

- A) Content written on it is visible to all recipients.
- B) The notepad enables presenters to write text & draw diagram.
- C) Its content appears on computer system.
- D) Content written on it is visible locally.

92) Which of the following is an E-Research platform for computation biomedical research?

- A) Galaxy.
 - B) Quadrant.
 - C) Nimrod.
 - D) All mentioned are correct.
-

93) How E-Research Tools helps a researcher?

- A) Managing and reusing research data.
 - B) All are correct.
 - C) Utilizing Advanced Computing Facilities.
 - D) Improved Collaboration.
-

94) Which of the following statement is not true about smart classroom equipment

- A) Content written on Whiteboard cannot be saved in a file.
 - B) While writing on interactive pad its display appears on whiteboard.
 - C) Opaque Projector is used to project magnified view of an object placed under it.
 - D) Interactive projector is another variation of interactive whiteboard.
-

95) Which of the following is an advantage of Open Source Software?

- A) You can edit the source code to customize it
 - B) You need to be an expert to learn it
 - C) You have to pay to get license
 - D) Can sometimes be too generic for specialist purpose
-

96) Who is considered to be the father of the progressive education movement?

- A) B.F. Skinner
- B) J. Dewey
- C) L. Vygotsky
- D) J. Piaget

97) Which of the following is true about web conferencing and video conferencing?

- A) Video conferencing is primarily concerned with content sharing and collaboration while audio-video streaming is secondary.
 - B) Video conferencing and web conferencing are not distinct.
 - C) Web conferencing is primarily concerned with audio-video streaming while content sharing and collaboration is secondary.
 - D) Web conferencing is primarily concerned with content sharing and collaboration while audio-video streaming is secondary.
-

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99) The full form of MOODLE LMS is :

- A) Massive Object-Oriented Dynamic Learning Environment
 - B) Massive Outcome-Oriented Dynamic Learning Environment
 - C) Modular Object-Oriented Dynamic Learning Environment
 - D) Modular Outcome-Oriented Dynamic Learning Environment
-

100) Copyright does not give Creator the following rights

- A) Reproduce, Perform his/her work
- B) Distribute his/her work
- C) Reproduce, Display his/her work
- D) Distribute others work

Answer Keys**Question Paper No: 60876_5**

1	B	26	A	51	D	76	D
2	B	27	A	52	C	77	D
3	C	28	C	53	D	78	A
4	D	29	C	54	D	79	B
5	A	30	C	55	A	80	B
6	B	31	C	56	D	81	A
7	C	32	C	57	B	82	D
8	D	33	B	58	B	83	A
9	A	34	B	59	A	84	A
10	A	35	D	60	A	85	B
11	D	36	B	61	C	86	A
12	D	37	A	62	C	87	C
13	A	38	B	63	C	88	A
14	B	39	C	64	A	89	A
15	B	40	B	65	C	90	C
16	D	41	A	66	D	91	D
17	D	42	D	67	A	92	A
18	B	43	A	68	D	93	B
19	A	44	D	69	D	94	A
20	A	45	A	70	C	95	A
21	D	46	C	71	D	96	B
22	A	47	D	72	D	97	D
23	B	48	D	73	A	98	B
24	D	49	B	74	A	99	C
25	C	50	D	75	C	100	D