Section 1 - Technology Enabled Learning and Life long Self learning

QLabel : Q1
Q3077942) Which of the following limitations still persists in Spoken Tutorial's implementation?

A) Content is freely accessible
B) Lack of industry collaboration
C) Limited interactivity to learners
D) Non-alignment with NEP 2020 digital push

QLabel : Q2
Q3077943) Which critical factor enhances Spoken Tutorial's inclusivity?

A) Proprietary licensing
B) Regional language dubbing
C) AI-based translation
D) International collaboration only

QLabel : Q3
Q3077944) Spoken Tutorial differs from MOOCs by:

A) Not offering certificates
B) Restricting enrollment to universities
C) Emphasizing hands-on, open-source software training
D) Using live telecasts via DTH

QLabel : Q4
Q3077945) A fundamental challenge in scaling Virtual Labs is:

A) Bandwidth and device compatibility
B) Lack of interest in simulation
C) Absence of university collaboration
D) NEP 2020 encouraging virtual learning

QLabel : Q5
Q3077946) Virtual Labs were initiated under NMEICT and coordinated mainly by:

A) IISc Bangalore
B) IIT Delhi
C) IIT Kanpur & IIT Bombay
D) IGNOU

QLabel : Q6
Q3077947) Which educational outcome aligns best with Virtual Labs?

A) Psychomotor skills replication
B) Critical theoretical derivation
C) Social science ethnography
D) Creative writing skill development

QLabel : Q7
Q3077948) FOSSEE stands for:

A) Free and Open-Source Software for Education Enhancement
B) Free Open-Source Software for Engineering Education
C) Forum on Software Solutions for Engineering Entities
D) Foundation of Software Simulation in E-Education

QLabel : Q8
Q3077949) A distinctive feature of FOSSEE is:

A) Promotion of proprietary licensed software
B) Advocacy of open-source software's
C) Limiting projects to Engineering students only
D) Replacing all physical labs

QLabel : Q9
Q3077950) FOSSEE project addresses which NEP 2020 concern most directly?

A) Global rankings
B) High cost of proprietary software
C) Teacher recruitment shortages
D) Research plagiarism

QLabel : Q10
Q3077951) The governance of SWAYAM PRABHA is primarily under:

A) NCERT
B) MHRD (MoE)
C) ISRO only
D) CBSE exclusively

QLabel : Q11
Q3077952) Which NEP 2020 principle is most supported by SWAYAM PRABHA?

A) Multidisciplinary learning flexibility
B) Increased Gross Enrolment Ratio
C) Holistic and equitable education access
D) Teacher capacity building

QLabel : Q12
Q3077953) One limitation of SWAYAM PRABHA is:

A) Need for set-top box and electricity in rural areas
B) High internet speed demand
C) Unavailability of content in regional languages
D) Fully private sector ownership

QLabel : Q13
Q3077954) ShodhShuddhi provides access to which plagiarism detection system for Indian HEIs?

A) Turnitin
B) URKUND (Ouriginal)
C) iThenticate
D) Grammarly Premium

QLabel : Q14
Q3077955) The initiative ShodhShuddhi is coordinated under:

A) UGC-INFLIBNET Centre
B) AICTE-New Delhi
C) IIT Madras
D) ICMR

QLabel : Q15
Q3077956) The critical reason behind ShodhShuddhi is:

A) To ensure more publications in Scopus
B) To enforce UGC regulations on plagiarism
C) To mandate international collaborations
D) To provide cloud-based writing assistance

QLabel : Q16
Q3077957) Alignment of SAMARTH with NEP 2020 supports:

A) Digital governance & efficiency in HEIs
B) Compulsory vocational training
C) Research publications in Scopus
D) Internationalization of curriculum

QLabel : Q17
Q3077958) A limitation in SAMARTH adoption is:

A) Lack of digital literacy among admin staff
B) Paid subscription barrier
C) Non-alignment with NAAC
D) Server hosted outside India

QLabel : Q18
Q3077959) Which critical challenge in HEI governance does SAMARTH address?

A) Automating academic administration workflows
B) Online thesis plagiarism detection
C) Ranking framework calculation
D) MOOC development

QLabel : Q19
Q3077960) NEP 2020 goal supported by Shodhganga is:

A) Promotion of original research and transparency
B) National credits transfer
C) E-learning for schools
D) Industry-academia internship system.

QLabel : Q20
Q3077961) Which limitation exists in Shodhganga implementation?

A) Not all universities upload theses promptly
B) Access limited to paid subscribers
C) Data not aligned with NEP 2020
D) Only engineering theses accepted

QLabel : Q21
Q3077962) Integration of Shodhganga with Shodhshuddhi ensures:

A) Automated plagiarism check for theses
B) Free distribution of textbooks
C) AI-based citation generation
D) Translation of theses into Hindi

QLabel : Q22
Q3077963) Which teaching pedagogy is central to e-Yantra?

A) Project-based learning through robotics challenges
B) Traditional lecture-heavy modules
C) Passive video-based content
D) Fully AI-based assessment

QLabel : Q23
Q3077964) Core aim of e-Yantra is:

A) Create low-cost robotics labs in HEIs
B) Provide plagiarism checking services
C) Offer free MOOCs for social sciences
D) Automate faculty recruitment

QLabel : Q24
Q3077965) e-Yantra is coordinated by:

A) IIT Kanpur
B) IIT Bombay
C) IISc Bangalore
D) UGC

QLabel : Q25
Q3077966) NEP 2020 acknowledges NMEICT’s role in:

A) Digital education ecosystem building
B) Research-only universities
C) Private funding of HEIs
D) Abolishing entrance examinations

QLabel : Q26
Q3077967) Limitation of NMEICT in execution was:

A) Low faculty adoption rate & digital readiness
B) High cost of subscription for students
C) Lack of multilingual e-content
D) Ineligibility of Tier-1 institutions

QLabel : Q27
Q3077968) NMEICT critically addresses:

A) Equity in digital education access
B) Monopoly of private MOOCs
C) Artificial intelligence regulation
D) Social networking policies

QLabel : Q28
Q3077969) A faculty in biotechnology wants to integrate the latest Scopus-indexed papers into teaching. Which feature of E-ShodhSindhu helps most?

A) Provides curated access to subscription-based journals in multiple disciplines
B) Provides only old archives without updates
C) Offers only open educational resources
D) Allows peer-to-peer file sharing

QLabel : Q29
Q3077970) A PhD student says: *"I couldn't find full-text access on E-ShodhSindhu for a specific IEEE paper."* What is the most likely reason?

A) The student did not use correct keywords
B) IEEE is not part of their institution's subscribed package under E-ShodhSindhu
C) E-ShodhSindhu is only for arts subjects
D) The site is under maintenance

QLabel : Q30
Q3077971) While conducting a systematic literature review, a scholar needs access to **archives of older journals**. How does E-ShodhSindhu support this?

A) It only offers recent 5 years of journals
B) It includes backfile archives as part of its negotiated agreements with publishers
C) It depends on student requests
D) It bans old journals

QLabel : Q31
Q3077972) Which challenge in higher education is addressed by VIDWAN?

A) Lack of authenticated researcher data in India
B) Student employability
C) Minimizing Student dropout ratio
D) Networking of laboratories

QLabel : Q32
Q3077973) One limitation in VIDWAN's growth is:

A) Incomplete coverage of private institution faculty
B) Limited to paid subscribers
C) Restricted to IITs only
D) Foreign faculty excluded by policy

QLabel : Q33
Q3077974) NEP 2020 alignment of VIDWAN lies in:

A) Creating transparent, accountable research ecosystem
B) Compulsory coding in schools
C) Conducting national entrance exams
D) Only accrediting HEIs

QLabel : Q34
Q3077975) Which of the following is **NOT** a defining characteristic of OER as per UNESCO?

A) Free access
B) Freely editable and modifiable
C) Free distribution in any format
D) Always available only in digital form

QLabel : Q35
Q3077976) The "5Rs of OER" (Wiley, 2014) include Retain, Reuse, Revise, Remix, and:

A) Redistribute
B) Reproduce
C) Redesign
D) Relabel

QLabel : Q36
Q3077977) Which critical barrier hinders large-scale adoption of OER in Indian higher education?

A) Lack of Creative Commons licenses
B) Absence of internet penetration in rural areas
C) Mismatch of curriculum alignment and quality assurance
D) Non-availability of funding from AICTE

QLabel : Q37
Q3077978) Which of the following is the **correct sequence of OER lifecycle**?

A) Discover → Create → Adapt → Use → Share
B) Use → Discover → Share → Create → Adapt
C) Share → Create → Discover → Adapt → Use
D) Create → Share → Use → Discard

QLabel : Q38
Q3077979) An OER platform providing **interactive simulations** (like PhET) enhances which NEP 2020 focus?

A) Vocational skills
B) Experiential learning and conceptual clarity
C) Grading reforms
D) Internationalization of curriculum

QLabel : Q39
Q3077980) Which of the following represents the **highest form of OER openness**?

A) PDF with copyright notice “All rights reserved”
B) Open access article with “NoDerivatives” clause
C) Open textbook under CC BY-SA license
D) Restricted free trial of an e-book

QLabel : Q40
Q3077981) The most permissive CC license that only requires attribution is:

A) CC BY
B) CC BY-SA
C) CC BY-NC
D) CC0

QLabel : Q41
Q3077982) Which CC license condition is considered most **restrictive** for reuse?

A) BY
B) BY-NC-ND
C) BY-SA
D) BY-NC-SA

QLabel : Q42
Q3077983) The “SA” condition in Creative Commons means:

A) Share Always
B) Share Alike – derivative works must use same license
C) Software Agreement
D) Scholarship Access

QLabel : Q43
Q3077984) Which of the following combinations is **not possible** in CC licenses?

A) BY-NC
B) BY-ND-SA
C) BY-SA
D) BY-NC-ND

QLabel : Q44
Q3077985) A researcher publishes material under **CC BY-NC**. Another startup wants to include it in a commercial app. Is this allowed?

A) Yes, with attribution
B) No, because NC restricts commercial use
C) Yes, if remixing is done
D) Only if modified into CC BY-SA

QLabel : Q45
Q3077986) If a faculty member shares lecture slides with **CC BY-ND**, students can:

A) Translate slides into another language
B) Modify and remix content
C) Share slides without modification, with attribution
D) Commercially sell slides as textbooks

QLabel : Q46
Q3077987) Embedding **open-ended questions** in Edpuzzle videos promotes:

A) Passive viewing
B) Active reflection and metacognition
C) Memorization only
D) Faster video completion

QLabel : Q47
Q3077988) Edpuzzle's "prevent skipping" feature primarily ensures:

A) Students can rewatch difficult concepts
B) Students watch the entire video attentively
C) Students get unlimited attempts for quizzes
D) Teachers can skip grading

QLabel : Q48
Q3077989) A teacher wants to ensure **active watching** of a video lesson on photosynthesis. The best way using Edpuzzle is:

A) Play the video without interruptions
B) Insert multiple-choice questions at critical points
C) Give printed notes alongside the video
D) Pause the video manually every 5 minutes

QLabel : Q49
Q3077990) Which **teaching model** aligns best with Edpuzzle's core design?

A) Flipped classroom and blended learning
B) Rote memorization model
C) Teacher-centric lecture method
D) Montessori model only

QLabel : Q50
Q3077991) Edpuzzle can encourage critical literacy by:

A) Embedding reflection prompts in media literacy videos
B) Providing only factual recall quizzes
C) Blocking students from analyzing media
D) Restricting to yes/no questions

QLabel : Q51

Q3077992) A teacher wants to conduct an anonymous feedback survey but keep track of **who has responded**. Which setup works?

A) Require sign-in, but disable collecting email addresses in spreadsheet
B) Collect email IDs compulsorily
C) Allow multiple responses
D) Disable response tracking

QLabel : Q52

Q3077993) Which is the **biggest disadvantage** of using Google Forms for high-stakes summative exams?

A) Limited scalability
B) Easy integration with Classroom
C) High chance of malpractice if not proctored
D) Auto-grading saves time

QLabel : Q53

Q3077994) For peer evaluation using Google Forms, which setting is essential?

A) Shuffle question order
B) Linear scale / Likert scale questions
C) File upload
D) Short answer only

QLabel : Q54

Q3077995) If a teacher wants to **visualize survey results instantly**, which tool pairs seamlessly with Google Forms?

A) Google Sites
B) Google Sheets (charts & pivot tables)
C) Google Calendar
D) Google Slides

QLabel : Q55

Q3077996) A science teacher asks students to upload lab photos in Forms. Which setting ensures **storage control**?

A) Limit to 1 response
B) File upload with maximum size and number of files restrictions
C) Use only short answers
D) Shuffle file uploads

QLabel : Q56
Q3077997) In terms of copyright, teachers using Edpuzzle should be most cautious about:

A) Embedding videos without proper usage rights
B) Creating their own voice-overs
C) Adding quizzes
D) Assigning to a small class

QLabel : Q57
Q3077998) How does Edpuzzle indirectly promote **inclusive education**?

A) By enabling teachers to add audio notes, captions, and multilingual explanations
B) By forcing all learners to learn at the same speed
C) By blocking re-watching
D) By restricting to one language

QLabel : Q58
Q3077999) In a collaborative classroom, Edpuzzle can be used for:

A) Peer discussions based on embedded open-ended questions
B) Teacher-only monologue
C) Preventing student interaction
D) Limiting to multiple-choice questions only

QLabel : Q59
Q3078000) A teacher designs Edpuzzle questions asking students to **predict outcomes of a historical event** if decisions were altered. This demonstrates:

A) Counterfactual thinking and historical empathy
B) Memorization of dates
C) Blind guessing
D) Only factual reporting

QLabel : Q60
Q3078001) A teacher plays a 20-minute documentary in class without any pause or discussion. Students seem disengaged. What is the most probable pedagogical flaw?

A) Length of the video only
B) Lack of active learning strategies such as guided questions or pauses for reflection
C) Poor video quality
D) Students' lack of prior knowledge

QLabel : Q61
Q3078002) A key **limitation** of Hot Potatoes in modern classrooms is:

A) Activities cannot be exported as HTML
B) No mobile-friendly responsive design without add-ons
C) Lack of language support
D) Prohibition on creating quizzes

QLabel : Q62
Q3078003) Which learning philosophy does Hot Potatoes most closely align with?

A) Constructivism through active learner engagement
B) Behaviorist rote reinforcement only
C) Passive transmission
D) Teacher-exclusive control

QLabel : Q63
Q3078004) A history teacher wants students to link **dates with corresponding events**. Which tool best suits this?

A) JCloze
B) JMatch
C) JCross
D) JMix

QLabel : Q64
Q3078005) To test **cause-effect relationships** (e.g., pollution → global warming), the teacher should use:

A) JMatch with paired matching items
B) JCross for crossword puzzles
C) JQuiz multiple-choice mode
D) JCloze fill-in-the-blanks

QLabel : Q65
Q3078006) If a student types “colour” instead of “color,” JCloze can handle this by:

A) Rejecting automatically
B) Accepting alternative correct answers defined by teacher
C) Blocking the attempt
D) Turning into a JQuiz

QLabel : Q66
Q3078007) A limitation of JCloze compared to JQuiz is:

A) Lack of multiple-choice distractors
B) No HTML output possible
C) Cannot embed text passages
D) No student interactivity

QLabel : Q67
Q3078008) In an online history class, a teacher embeds **primary source excerpts** and asks interpretation questions. The best Hot Potatoes tool?

A) JMatch
B) JCloze
C) JQuiz
D) JCross

QLabel : Q68
Q3078009) Which JQuiz mode enhances **student self-regulation** the most?

A) Short-answer with hints and retry options
B) Multiple-choice only
C) Yes/No quiz without feedback
D) Random guessing

QLabel : Q69
Q3078010) JCross develops which cognitive skill most uniquely?

A) Synthesis of abstract theory
B) Vocabulary retention and lateral thinking
C) Chronological sequencing
D) Mathematical calculation

QLabel : Q70
Q3078011) For science class, a teacher wants to reinforce chemical element symbols (Na, K, Mg). Which tool is best?

A) JCloze
B) JCross
C) JQuiz
D) JMix

QLabel : Q71

Q3078012) JMix supports **multiple correct answers**. Why is this pedagogically significant?

A) It acknowledges flexible language patterns or synonym variations
B) It forces single rigid grammar
C) It blocks creative output
D) It reduces student engagement

QLabel : Q72

Q3078013) A key drawback of JMix is:

A) Difficulty with long, complex sentences leading to frustration
B) Cannot accept any answers
C) No interactivity possible
D) HTML not supported

QLabel : Q73

Q3078014) A teacher is working in a rural classroom with **no student smartphones** and **limited Wi-Fi**. She wants to check students' understanding interactively. Why is **Plickers** more effective than tools like Kahoot or Mentimeter?

A) It requires every student to own a device
B) It works with only the teacher's smartphone + printed cards
C) It depends on each student logging in with email
D) It can be used only in computer labs

QLabel : Q74

Q3078015) In a class of 50, some students are **shy to answer verbally**. By using Plickers, the teacher is primarily addressing:

A) Cognitive load reduction
B) Affective filter and classroom participation anxiety
C) Teacher-centered instruction
D) Overuse of lecture notes

QLabel : Q75

Q3078016) A teacher uses Plickers to pose a question: *"Which of these is NOT a renewable energy source?"* Students hold cards and responses are scanned. The **main pedagogical gain** is:

A) Gamification through points
B) Immediate formative assessment feedback without peer judgment
C) Automatic grading for exams
D) Replacement of lesson delivery

QLabel : Q76

Q3078017) If students try to copy others' card orientation instead of thinking independently, what **teacher strategy** best prevents this?

A) Randomizing seating and scanning from different angles
B) Reprinting cards every class
C) Asking students to answer orally instead
D) Turning off scanning

QLabel : Q77

Q3078018) A science teacher wants to use Plickers to test **concept misconceptions** (e.g., "All metals are magnetic — True/False"). Why is Plickers ideal for this use case?

A) It ensures anonymous collection of misconceptions for class discussion
B) It grades long essays instantly
C) It supports drawing answers
D) It replaces lab experiments

QLabel : Q78

Q3078019) A teacher registers for a MOOC only because their institution mandates certification. This often leads to:

A) Higher intrinsic motivation
B) Surface-level completion without meaningful learning
C) Faster course completion
D) Stronger long-term retention

QLabel : Q79

Q3078020) A faculty selects a MOOC solely because it provides a certificate from a prestigious university. What risk does this decision carry?

A) Certificate may be invalid
B) Course content may not align with their professional or teaching needs
C) They will automatically fail
D) No access to videos

QLabel : Q80

Q3078021) A faculty member with weak digital skills struggles in MOOCs. Which **course feature** best supports their successful completion?

A) Heavy reliance on external programming tools
B) Self-paced modules with clear instructions and technical support
C) Peer-only evaluation without resources
D) Very high course load

QLabel : Q81

Q3078022) While completing a MOOC, a teacher actively engages in the **peer discussion forum**. What is the **biggest pedagogical gain** from this?

A) Certificate is awarded faster
B) Deeper conceptual understanding and exposure to diverse teaching practices
C) Shorter videos
D) Automatic grade improvement

QLabel : Q82

Q3078023) Faculty often drop out of MOOCs due to “lack of time.” Which realistic approach helps overcome this barrier?

A) Setting small weekly milestones and scheduling fixed time slots
B) Registering for multiple MOOCs at once
C) Ignoring deadlines
D) Skipping assessments completely

QLabel : Q83

Q3078024) A MOOC provides video lectures, readings, quizzes, and projects. To sustain engagement, the **best strategy for faculty** is:

A) Focus only on videos
B) Integrate quizzes and projects as reflective activities for their own classes
C) Skip projects since they take time
D) Download materials and never use them

QLabel : Q84

Q3078025) In using FreeMind for **problem-based learning**, which approach maximizes its potential?

A) Presenting finished maps for students to memorize
B) Letting students co-create maps while exploring solutions
C) Giving maps as assignments without discussion
D) Using it only as decorative teaching aid

QLabel : Q85

Q3078026) FreeMind is superior to drawing mind maps on paper in classroom settings because:

A) It enforces rigid structures
B) It allows unlimited expansion, editing, and reorganization without redrawing
C) It automatically generates research articles
D) It prevents brainstorming flexibility

QLabel : Q86

Q3078027) A science teacher notices that students' FreeMind maps often include **facts but no connections**. Which scaffolding question encourages deeper concept mapping?

A) "Can you list more definitions?"
B) "How does this idea influence or depend on another node?"
C) "What colors can you add here?"
D) "Can you make the text bold?"

QLabel : Q87

Q3078028) Which export feature of FreeMind is most useful when a teacher wants to share the **concept map with students who don't have the software**?

A) Export as PDF or image
B) Save as .mm only
C) Export as executable program
D) Print in binary code

QLabel : Q88

Q3078029) If FreeMind is used during **collaborative brainstorming**, what is its biggest pedagogical advantage?

A) Enforces silence during group work
B) Captures diverse, evolving ideas in a shared visual structure
C) Replaces need for discussion
D) Grades students automatically

QLabel : Q89

Q3078030) A history teacher uses FreeMind to explore the **French Revolution**. Which technique best leverages the tool for **cause-effect analysis**?

A) Adding dates in sequential branches
B) Creating thematic clusters (economic, political, social causes) linked to "Revolution" node
C) Using one node with a long paragraph of explanation
D) Avoiding sub-branches entirely

QLabel : Q90

Q3078031) If a teacher posts an announcement in Google Classroom and disables comments, what is the pedagogical risk?

A) Prevents spam
B) Reduces student dialogue and peer-to-peer interaction
C) Increases student focus
D) Increases grading speed

QLabel : Q91

Q3078032) A teacher wants students to collaborate on a group project in Google Classroom but also track **individual contributions**. Which tool pairing is most effective?

A) Google Docs + Version History
B) Google Meet only
C) Google Drive shared folder only
D) Google Slides without editing rights

QLabel : Q92

Q3078033) In a laboratory rubric, one criterion is: *"Uses apparatus safely and accurately."* What is the **best performance descriptor**?

A) "Excellent student"
B) "Consistently follows all safety rules and ensures accurate measurements without external prompts"
C) "Sometimes safe, sometimes not"
D) "Good lab user"

QLabel : Q93

Q3078034) When creating a rubric for a **group project**, which criterion is **least appropriate**?

A) Contribution of each member
B) Clarity of final presentation
C) Random selection of best performer
D) Evidence of collaborative decision-making

QLabel : Q94

Q3078035) A student complains: "The rubric made me feel like I knew exactly what to aim for." Which **hidden benefit** of rubrics does this reveal?

A) Rubrics discourage creativity
B) Rubrics promote transparency and self-regulation
C) Rubrics replace exams
D) Rubrics make grading secretive

QLabel : Q95

Q3078036) During a lab assessment, a rubric evaluates "accuracy of measurements" and "team collaboration." Why is this rubric more effective than a checklist?

A) It measures both process and product quality
B) It reduces teacher grading workload
C) It provides yes/no binary outcomes only
D) It avoids subjectivity completely

QLabel : Q96

Q3078037) A teacher designs a rubric in RubiStar for a project but all criteria are **vague** (e.g., “good work,” “average effort”). Which major principle of rubric design is violated?

A) Reliability
B) Specificity and clarity in performance descriptors
C) Student involvement
D) Scoring flexibility

QLabel : Q97

Q3078038) An educational video contains culturally biased examples unfamiliar to students. What should the teacher do?

A) Skip the video entirely
B) Pre-teach context and scaffold understanding before playing
C) Tell students to ignore examples
D) Replace with silent viewing

QLabel : Q98

Q3078039) A teacher uses videos as substitutes for lectures in every class. Over time, students lose interest. What explains this failure?

A) Videos are inherently boring
B) Teacher abdicated active facilitation, failing to blend videos with discussion and activities
C) Students prefer books
D) Videos lacked animations

QLabel : Q99

Q3078040) When integrating educational videos, which teacher action ensures **maximum knowledge transfer**?

A) Playing the video in silence
B) Embedding critical pauses with teacher-led prompts to connect video to curriculum
C) Relying only on subtitles
D) Assigning video viewing as homework only

QLabel : Q100

Q3078041) A science teacher uses a video simulation to demonstrate molecular bonding. Which outcome reflects **effective use of the video**?

A) Students recall the animation frame by frame
B) Students apply the visualization to explain unseen atomic processes in real experiments
C) Students memorize video narration
D) Students ignore the textbook