

The Toughest Exam for Indian Schools!

Date: May 2023

Subject:

Marks:

Time: 1 year

NEP, AI, & the Internet

100

- *This exam should be taken by School Leaders (Principals, Vice-Principals, Senior Teachers, Directors, Chairpersons etc).*
- *This question paper contains 20 questions of 5 marks each. All the questions are compulsory.*
- ***You are allowed (rather encouraged) to refer any book, website, ChatGPT, human expert etc.***
- *You may record your answers in text, audio, video or any content format.*
- *To get your answers assessed, go to <https://imature.in/schools> and fill the request form, or approach a 21st century education expert.*
- *Minimum **survival** marks are 50.*

Q.1. Your school is expected to create a **multidisciplinary** learning system for students, which might require your teachers to collaborate with **outside experts**, & **professionals** from different fields, to teach a topic. What system will you develop in your school to do this on a regular basis, for every subject?

Q.2. How will you make the teaching-learning more **enjoyable** and **participative** for your students? Using animated or interesting lesson videos in the class is a popular idea. Please suggest more ideas.

Q.3. NEP wants you to **prepare** your students for a successful **21st century career**. As you know, ‘preparing students’ takes much more effort than just ‘making them aware’. what system will you create in your school to achieve this objective?

Q.4. NEP says, one of the most important outcomes of school education for a child must be the development of ‘**Higher Order Thinking Skills**’, which includes the well-known ‘4 Cs’ of 21st century education – **creativity, communication, collaboration** and **critical thinking**. What

new system of teaching-learning should your school create/adopt to achieve this outcome? *We know that the existing system of pedagogy cannot do this.*

Q.5. It's obvious, and the NEP also highlights the fact that the **teachers** should be at the centre of these fundamental reforms. Without the teachers becoming fully comfortable and capable of playing this totally new game, no reform will be possible. What kind of **skills** and **attitude** must the teachers acquire to become experts of these new systems or ways of teaching?

Q.6. NEP envisions that the teachers must become the **most respected** members of the society. How do you think the work and contribution of teachers can be made more **visible** to the world? Felicitating them on special occasions is the most common way. Please suggest more ideas.

Q.7. If you truly want to recognize, identify, and foster the **unique capabilities** of **each** of your students, what system would you create or adopt in your school?

Q.8. NEP wants schools to take advantage of their **alumni** and members of the larger **community** to guide and mentor students on various topics. What system would you create or adopt to facilitate that?

Q.9. What can you do to ensure that your students learn "**how to learn**" and also become **lifelong learners**?

Q.10. In addition to the multidisciplinary approach of teaching a topic, NEP expects you to utilize **arts, sports, and storytelling** in the teaching of all the subjects. How will this **practically** be possible? Are they being unreasonable in their expectations?

Q.11. If a student **experientially** learns and **practically** demonstrates a concept (say electrolysis), should he/she be compelled to write the complete explanation on paper? What is the best way to record & assess the **hands-on** learning of students?

Q.12. NEP promises that the students will be given increased **flexibility** and **choice** of subjects to design their **own paths** of study and life plans. Also, there will be no hard separation between '*curricular*', '*extracurricular*' & '*co-curricular*', or among '*arts*', '*humanities*' & '*sciences*', or between '*vocational*' & '*academic*' streams. It clearly means you won't be able to create well-defined batches of students. Then how will you schedule the classes, assign the teachers and design the academic calendar of your school?

Q.13. Can you visualize how **digital technologies** can help a student learn and practice three languages and help your school provide **bilingual** learning resources to students for various subjects? Articulate your vision.

Q.14. Create your own list of **subjects, skills** and **capacities** which are absolutely essential for your students to survive and succeed in the **21st century world**. Discuss it with at least 5 industry experts (non-academics) and include their suggestions in your list.

Q.15. Explain in detail what are the **strengths** and **weaknesses** of your school for ensuring effective teaching of the subjects, skills, and capacities listed in Q.14.

Q.16. NEP wants students to learn to make **ethical** decisions and “doing what's right”. While subjects like moral science can teach ethics of the real world, how do you think students can learn about ethics of the **digital world** (the place where majority of their social interactions and transactions will happen)?

Q.17. NEP seems quite serious about **transforming** the way **assessments** are done in schools. It wants that assessments should be **regular, formative**, NOT just summative. Aimed at testing higher order thinking skills, concept clarity, and critical thinking. Also, the assessment reports must reflect in great detail the **uniqueness** of each student. What kind of progress reporting system will be able to do that?

Q.18. Imagine a system which is capable of capturing every student's **activities, creations, performances, writings** etc, continuously throughout the year. Now imagine an AI based assessment software which takes all the data from the above system and generates progress report for each student every month. Will there still be need for the traditional exams such as *unit tests, term exams, & final exams*? If yes, why?

Q.19. NEP wants to enrich the teaching learning process with online resources such as **apps, quizzes, online forums** and other **online tools**. Are the teachers of your school **Internet mature** so that they can make the **best use** of these online resources? Write the list of topics which an ideal training program must cover to make the teachers Internet mature.

Q.20. What kind of **cyber safety** threats are you aware of, which your students face in their everyday digital lives? What kind of **digital discipline** problems among students you see in your school? What system does your school need (or have) to solve these problems?

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