

Organization for Economic Cooperation and Development (OECD) in 2021.

- (vii) The Central Board of Secondary Education (CBSE) has undertaken various examination reforms to promote competencies and quality of learning:—
- Change in design of question papers with nearly 33% increase in internal choice in all major subjects for classes X and XII and introduction of objective type questions. It has been decided to include 10% competency based Questions in the annual examination of class 10 in the current year.
 - Experiential learning has been introduced from 2019-20 to promote self thinking, creativity and effective study skills among students.
 - The Board has developed a training manual on Critical and Creative Thinking Skills for teachers.
 - The Board has also published Life Skills manuals which include Critical and Creative Thinking Skills.

Spending on research and innovation

1998. SHRIMATI JHARNADAS BAIDYA: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

- whether it is a fact that Government is spending only 0.7 per cent of the GDP on research and innovation in the country;
- if so, the details thereof;
- whether Government is contemplating to increase the spending on research and innovation in the country;
- if so, the details thereof; and
- if not, the reasons therefor?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI RAMESH POKHRIYAL 'NISHANK'): (a) and (b) Yes. As per information received from Principal Scientific Advisor, expenditure on Research & Development as a percentage share in National Gross Domestic Product (GDP) was 0.7% in 2004-05, 0.7% in 2008-09, 0.6% in 2012-13 and 0.7% in 2016-17.

(c) and (d) Yes. Government is working towards increasing the spending on research and innovation in the country through the creation of National Research Foundation as per its Budget Announcement in 2019-20 in this regard .

(e) Does not arise.

Assessment of school education

1999. SHRI RITABRATA BANERJEE: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) whether it is a fact that Government propose to transform the assessment methods in school education; and

(b) if so, the details thereof?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI RAMESH POKHRIYAL 'NISHANK'): (a) and (b) National Council for Educational Research and Training (NCERT) has developed a module on School Based Assessment (SBA) with an objective to transform Assessment in the school education which is a part of NISHTHA (National Initiative for School Heads and Teachers' Holistic Advancement).

Further, Central Board of Secondary Education (CBSE) follows National Curriculum Framework-2005 which includes flexibility in assessments and examination reforms. CBSE has introduced the following changes in the assessment methods and pattern in the session 2019-20:—

- (i) The number of questions asked in the examination for all major subjects have been curtailed to ensure that students don't find the paper to be too lengthy to complete in the stipulated time of 3 hours.
- (ii) Internal choices for students in at least 33% questions in all major subjects has been provided.
- (iii) Twenty five per cent objective type Questions have been included in all major subjects in 2020 examination.
- (iv) Internal assessment has been extended to all subjects for Class 10 and Class 12 to make assessment holistic and continuous.