

## PREVIEW QUESTION BANK

Module Name : ntr24-ed11 Research Innovation and Social Relevance-ENG  
Exam Date : 18-May-2024 Batch : 15:00-18:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	15752001	<p>"Brainstorming", a technique to develop creative thinking, is used for:</p> <ol style="list-style-type: none"> <li>1. Divergent thinking for Known problems</li> <li>2. Divergent thinking for unknown problems</li> <li>3. Convergent thinking for Known problems</li> <li>4. Convergent thinking for unknown problems</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
2	15752002	<p>Which of the following is NOT a part of "Research and development" phase?</p> <ol style="list-style-type: none"> <li>1. Experimentation.</li> <li>2. Publication.</li> <li>3. Data analysis</li> <li>4. Data Collection</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
3	15752003	<p>Given below are two statements:</p> <p>Statement (I): The purpose of basic researches is to advance the knowledge in the relevant discipline.</p> <p>Statement (II): All research reports must be published in E-form for wider publicity.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are true.</li> <li>2. Both Statement (I) and Statement (II) are false.</li> <li>3. Statement (I) is true but Statement (II) is false.</li> <li>4. Statement (I) is false but Statement (II) is true.</li> </ol>	2.0	0.00

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question				
4	15752004	<p>The main characteristic of the stakeholder approach is:</p> <ol style="list-style-type: none"> <li>1. Many different groups have legitimate interest in the research.</li> <li>2. To get the critical perspective for business and industry</li> <li>3. Concern for social and environmental responsibilities.</li> <li>4. Shareholders are the stakeholders.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00

Objective Question				
5	15752005	<p>For developing the creativity of students, teachers should:</p> <ol style="list-style-type: none"> <li>1. Strictly adhere to standardized curriculum without deviations</li> <li>2. Discourage imaginative thinking to maintain discipline</li> <li>3. Rely solely on lectures and traditional teaching methods</li> <li>4. Provide open-ended assignments and encourage exploration</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00

Objective Question				
6	15752006	<p>Which of the following is NOT an indicator of societal relevance of research?</p> <ol style="list-style-type: none"> <li>1. Dissemination of knowledge</li> <li>2. Use of R and Python for research</li> <li>3. Interest of stakeholders</li> <li>4. Impact and use of results</li> </ol> <p>A1 : 1</p>	2.0	0.00

A2 : 2

A3 : 3

A4 : 4

## Objective Question

7 15752007

2.0 0.00

Match **List-I** with **List-II**

List-I	List-II
(A). Tentative answers to research questions	(I). Questionnaire
(B). Research instrument for case study	(II). Random sample
(C). Research instrument for survey study	(III). Interview schedule
(D). Sampling method to get a representative sample of the population	(IV). Hypotheses

Choose the **correct** answer from the options given below:

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (III), (B) - (II), (C) - (IV), (D) - (I)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

8 15752008

2.0 0.00

The ex-post facto impact assessment can be best explained if research findings:

- Are derived from use of advanced statistical tools
- Are based solely on hypothetical scenarios
- Include both pre- and post-intervention data
- Focus solely on short-term outcomes

A1 : 1

A2 : 2

A3 : 3

		A4 : 4		
Objective Question				
9	15752009	<p>Following statement is not true for invention</p> <ol style="list-style-type: none"> <li>1. Invention refers to the occurrence of an idea for a product or process that has never been made before</li> <li>2. An original idea and its working in theory</li> <li>3. Adding value to something that already exists and makes it more useful</li> <li>4. It occurs when new idea strikes a person/scientist</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
10	15752010	<p>One of the following is not the type of innovation as per innovation matrix</p> <ol style="list-style-type: none"> <li>1. Architectural Innovation</li> <li>2. Basic Research type of Innovation</li> <li>3. Incremental Innovation</li> <li>4. Disruptive Innovation</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
11	15752011	<p>Doblin's Innovation Framework is based on –</p> <ol style="list-style-type: none"> <li>1. Incremental changes and minor adjustments</li> <li>2. Replicating existing solutions from other industries</li> <li>3. Singular focus on technological advancements</li> <li>4. Ten types of innovation spanning three categories</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00

Objective Question				
12	15752012	<p>One of the following types of innovation strategy will be the best suited to promote innovation</p> <ol style="list-style-type: none"> <li>1. Open innovation, i.e., working beyond boundaries and collaborating globally through partnerships, ventures, and accelerators.</li> <li>2. Closed innovation</li> <li>3. Top-Down innovation</li> <li>4. Bottom-up innovation</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00

Objective Question				
13	15752013	<p>Following statement is not true for value Engineering</p> <ol style="list-style-type: none"> <li>1. Value engineering is the application of set of techniques to a new product at the design stage</li> <li>2. Value engineering is an early stage process</li> <li>3. Value engineering is a preventive process</li> <li>4. Value engineering is done after the birth of the product</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00

Objective Question				
14	15752014	<p>Following statement is not true for prototyping</p> <ol style="list-style-type: none"> <li>1. Prototype is the cognitive representation of something</li> <li>2. Prototype is an early sample model or release of product to test a concept or process.</li> <li>3. Prototype is the first full scale and functional form of new product design.</li> <li>4. Prototype is the final finished product ready for production and commercialization</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00

Objective Question				
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15	15752015	<p>Copyright and copyrighted related work do not include.</p> <ol style="list-style-type: none"> <li>1. Literary work</li> <li>2. Technical solution to technical problem</li> <li>3. Music</li> <li>4. Performance of musicians; actors and singers.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

16	15752016	<p>Which one of the following is not the location of Patent office in India?</p> <ol style="list-style-type: none"> <li>1. Bangalore</li> <li>2. Mumbai</li> <li>3. Delhi</li> <li>4. Kolkata</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

17	15752017	<p>The intellectual property which can be applied to a wide variety of industrial products and handicrafts, have an aesthetic appeal and must be able to be reproduced by industrial means is</p> <ol style="list-style-type: none"> <li>1. Geographical Indications</li> <li>2. Trade Name</li> <li>3. Industrial design</li> <li>4. Copyright</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

18	15752018	<p>Following is carried out at technology readiness level four-</p> <ol style="list-style-type: none"> <li>1. Experimental proof of concept development</li> <li>2. Laboratory testing of the prototype component.</li> <li>3. Technology/prototype demonstrated in a relevant environment.</li> <li>4. Idea validated with customers.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
19	15752019	<p>Intellectual property related to invention is</p> <ol style="list-style-type: none"> <li>1. Patent</li> <li>2. Trademark</li> <li>3. Industrial Design</li> <li>4. Trade Secret</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
20	15752020	<p>One of the following form number is issued for filing provisional or complete specification for patent application.</p> <ol style="list-style-type: none"> <li>1. Form 1</li> <li>2. Form 2</li> <li>3. Form 3</li> <li>4. Form 26</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
Objective Question				
21	15752021		2.0	0.00

	<p>The following is not compromised in Value Engineering</p> <ol style="list-style-type: none"> <li>1. Functional Requirement</li> <li>2. Performance</li> <li>3. Serviceability</li> <li>4. Cost Cutting</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

22	<p>15752022</p> <p>The following statement is not true for Prototype</p> <ol style="list-style-type: none"> <li>1. Test the existing design to confirm a product's functionality prior to production.</li> <li>2. Prototype are physical manifestation of the product and can be tested to find any characteristics that could make or break the design.</li> <li>3. Prototype are developed after the production stage.</li> <li>4. Prototype gives designers an opportunity to research new alternatives.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

23	<p>15752023</p> <p>Intellectual Property related to Invention is</p> <ol style="list-style-type: none"> <li>1. Patent</li> <li>2. Trademark</li> <li>3. Industrial Design</li> <li>4. Trade Secret</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question



24	15752024	<p>Inventions that are patentable are</p> <ol style="list-style-type: none"> <li>1. Method of Agriculture or Horticulture</li> <li>2. Product or Process Injurious to Public Health</li> <li>3. Topography of Integrated Circuit</li> <li>4. Technological Invention</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

25	15752025	<p>Copyright is a type of intellectual property protection that does not protect</p> <ol style="list-style-type: none"> <li>1. Original works of authorship</li> <li>2. Literacy work</li> <li>3. Musical and artistic work</li> <li>4. Invention</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

26	15752026	<p>Inventions that are patentable are</p> <ol style="list-style-type: none"> <li>1. Method of agriculture or horticulture</li> <li>2. Product or process injurious to public health</li> <li>3. Topography of integrated circuits</li> <li>4. Technological invention</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

27	15752027		2.0	0.00
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		<p>To enhance the faculty research productivity of a highly motivated but low research ability faculty member following is not required:</p> <ol style="list-style-type: none"> <li>1. Continuing Education Opportunities to be provided to faculty</li> <li>2. Workshop focusing on research skills may be conducted</li> <li>3. Conference Funding to publish his work</li> <li>4. Providing a mentor for developing research skills</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

28	15752028	<p>Accelerators typically provide assistance to entrepreneurs for</p> <ol style="list-style-type: none"> <li>1. 3-6 months</li> <li>2. 12-24 months</li> <li>3. 3-5 years</li> <li>4. More than 5 years</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

29	15752029	<p>According to a policy brief released by the European Union, titled 'The Economic Rationale for Public R&amp;I funding and its Impact' (2017), An annual increase of 0.2% of GDP in R&amp;D investment would result in an annual increase of ---% in GDP.</p> <ol style="list-style-type: none"> <li>1. 0.1</li> <li>2. 0.5</li> <li>3. 1.1</li> <li>4. 2</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

30	15752030	<p>At the individual faculty level, the following is the most important predictor of individual faculty member for predicting Faculty Research Productivity</p> <ol style="list-style-type: none"> <li>1. Motivation</li> <li>2. Experience</li> <li>3. Contacts with administrators</li> <li>4. Knowledge of basic and advanced research methods</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

31	15752031	<p>India has a ----- largest startup ecosystem.:</p> <ol style="list-style-type: none"> <li>1. 2<sup>nd</sup></li> <li>2. 5<sup>th</sup></li> <li>3. 4<sup>th</sup></li> <li>4. 3<sup>rd</sup></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

32	15752032	<p>Accelerators focus on:</p> <ol style="list-style-type: none"> <li>1. Users</li> <li>2. Small team</li> <li>3. Large team</li> <li>4. Stake Holders</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

33	15752033		2.0	0.00
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		<p>The Demo Day is provided by :</p> <ol style="list-style-type: none"> <li>1. Incubators</li> <li>2. Accelerators</li> <li>3. Coworking Spaces</li> <li>4. Government</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

34	15752034	<p>According to European Union's report 'The Economic Rationale for Public R&amp;I funding and its Impact' (2017), ----- of the economic growth of Europe from 1995 to 2007 came from R &amp; I</p> <ol style="list-style-type: none"> <li>1. One-third</li> <li>2. 60%</li> <li>3. Two-thirds</li> <li>4. 90%</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

35	15752035	<p>Which one of the following is NOT an example of genuine business innovation?</p> <ol style="list-style-type: none"> <li>1. Holistic solution to rural sanitation.</li> <li>2. Designing flood-resistant housing</li> <li>3. Investment in alternative sources of energy</li> <li>4. Charitable donation to an NGO</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

36	15752036		2.0	0.00
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The concept of Social Corporate Responsibility (CSR) explains that:

1. Companies must pay equal attention to ethics and environment.
2. Business ethics is complex
3. Companies have a responsibility for their environment and community.
4. CSR activities must focus on the other corporates

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37	15752037	<p>Social innovation refers to:</p> <ol style="list-style-type: none"> <li>1. The introduction of new social practices and activities.</li> <li>2. Social service through NSS</li> <li>3. New designs, processes, or new ways of conducting training.</li> <li>4. The opportunity for a new business or service.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

38	15752038	<p>A corporate company makes donations to charitable institutions, supports educational activities and builds housing for the poor. In CSR, this dimension is known as:</p> <ol style="list-style-type: none"> <li>1. Economic responsibility</li> <li>2. Legal responsibility</li> <li>3. Philanthropic responsibility</li> <li>4. Tax responsibility</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

39	15752039	<p>Which are the essential characteristics of a Non-Governmental Organization (NGO)?</p> <p>a. Non-profit</p> <p>b. Private in nature</p> <p>c. Non-formal organization</p> <p>d. Voluntary</p> <p>e. Self- governing</p> <p>f. Profit-making</p> <p>g. Formal organization</p> <p>1. a, b, d, e and f</p> <p>2. a, b, d, and g</p> <p>3. a, b, d, e and g</p> <p>4. b, c, e, and f</p> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

40	15752040	<p>What you should NOT do for environmental protection?</p> <p>1. Plant and grow more trees in the house garden</p> <p>2. Promote sustainable development activities</p> <p>3. Publicize the use of plastic products</p> <p>4. Promote the use of bio-degradable products.</p> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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## Objective Question

41	15752041	<p>The major difference between the source of funding between NGOs and NPOs is</p> <p>1. Fundraising Campaigns and activities</p> <p>2. External borrowings and foreign funds</p> <p>3. Crowdfunding</p> <p>4. Donations</p>	2.0	0.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

42	15752042	<p>Social innovations address:</p> <ol style="list-style-type: none"> <li>1. Social problems in creative ways.</li> <li>2. problems concerned with rural masses only.</li> <li>3. Rural infrastructure issues</li> <li>4. Technological solutions for routine problems.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

43	15752043	<p>Dimensions of Technology Forecasting include:</p> <ol style="list-style-type: none"> <li>i. Investigation of new trends</li> <li>ii. Prediction of radically new technologies</li> <li>iii. Rate of diffusion of new technology</li> <li>iv. Developing cutting edge technologies</li> </ol> <ol style="list-style-type: none"> <li>1. i only</li> <li>2. i and ii only</li> <li>3. i, ii and iii only</li> <li>4. i, ii, iii and iv</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

44	15752044		2.0	0.00
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Given below are two statements:

Statement (I): The primary purpose of Technology Forecasting is to act as an aid to decision making.

Statement (II): Technology Forecasting has become even more critical in a fast-changing world with many drivers of change.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Statement I alone is True
2. Statement II alone is True
3. Both statements I & II are true
4. Both statements I & II false

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

45	15752045	<p>Analogies and Substitution Analysis belongs to the following family of Technology Forecasting Techniques</p> <ol style="list-style-type: none"> <li>1. Trend analysis and extrapolation</li> <li>2. Brainstorming</li> <li>3. Scenarios</li> <li>4. Modeling and simulation</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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Objective Question

46	15752046	<p>Given below are two statements:</p> <p>Statement (I): If a forecast helps in making intelligent decisions, it is definitely a good forecast.</p> <p>Statement (II): For consistency only one method should be used for making a forecast.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Statement I alone is True</li> <li>2. Statement II alone is True</li> <li>3. Both statements I &amp; II are true</li> <li>4. Both statements I &amp; II false</li> </ol> <p>A1 : 1</p>	2.0	0.00
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A2 : 2

A3 : 3

A4 : 4

## Objective Question

47 15752047

2.0 0.00

Given below are two statements:

Statement (I): In Delphi Technique, the names of the participants/ respondents are revealed to all participants.

Statement (II): The Delphi Method allows quantitative analysis of responses.

In light of the above statements, choose the *most appropriate* answer from the options given below.

1. Statement I alone is True
2. Statement II alone is True
3. Both statements I & II are true
4. Both statements I & II false

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

48 15752048

2.0 0.00

Following is strictly not a Technology Forecasting Technique.

1. Expert Opinion
2. Trend analysis and extrapolation
3. Modelling and simulation
4. Monitoring and intelligence methods

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

49 15752049

2.0 0.00

Which is the most used technology forecasting technique.:

1. Trend analysis
2. Delphi Technique
3. Analogies
4. Panel discussion

		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

50	15752050	<p>What is the primary purpose of Technology Forecasting</p> <ol style="list-style-type: none"><li>1. To act an aid to decision making</li><li>2. Research of new trends</li><li>3. To forecast rate of diffusion of a technology</li><li>4. To forecast impact of new technologies</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	2.0	0.00
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