

FACT - A

- 1) Competence & expertise
- 2) public satisfaction, convenience and prosperity
- 3) Arts
- 4) Engineers
- 5) It improves the speed at which work is done

FACT - B

Q6 Science is the study of the behaviour and structure of our surroundings through observations and experiments.
Technology is practical application of scientific knowledge.

Q7 Science and mathematics are:

Mathematics is an indispensable component of science. Maths is used to formulate relationship between the observations so that further results can be predicted as well as forming new theories.

Q8 When an Engineer encounters a problem in work he must study the problem in detail and apply their knowledge and skills in such a way that root cause is eliminated in efficient & methodical way.

Q9

Leadership is considered a major attribute of Engineer as a person who want to a leader must knowledge of science and maths, analytical ability, communication skills, etc. and they also need well developed soft skills so that they can perform non-technical duties.

A leader must have an ability to inspire and motivate others to drive them towards success

Q10

STEAM stands for Science & Technology interpreted through Engineering and Arts all based in Mathematical elements. It was created STEAM pyramid was used to create a matrix by Engineers, ~~researchers~~ researchers and professionals could share information to keep education up to date while still having a basis in methodologies.

PART- C

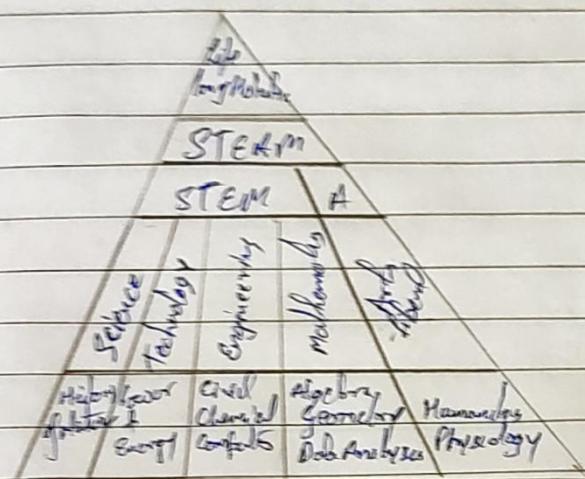
Q11

Steam Pyramid represents the research-backed theoretical model first proposed by Georgetown Yehman in 2006 on how to correlate the subject areas to one another and the business and social development worlds. The research is based on reviewing the common area across the various fields and using well-established classifications systems in STEAM to map

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and correlate the rest of the fields of the liberal arts.



Q12

It is nearly ~~impossible~~ impossible to achieve the required quality of output within the required time period. As I am still a trainee who does not much experience in work. Moreover without supervision (or guidance) from seniors makes the work even more difficult as mistakes will occur and will increase load on me and more time will be needed I spent more time than the given 3 to rectify mistakes and overcome the difficulties ~~there~~. Hence the quality of output will low.