

Frequently Ask Questions (FAQs)

- Que. 1 What is a gemstone?
Ans. 2 Any material of organic or inorganic origin having three essential properties of Beauty, Rarity and Durability (B, R & D) can be considered as a 'GEM'.
- Que. 2 What is gemology?
Ans. 2 As a branch of mineralogy 'Gemology' refers to the study of natural, Synthetic, composite, reconstructed as well as imitation gem materials.
- Que. 3 What is a natural gemstone?
Ans. 3 Any gemstone, completely manufacture by the nature (organic/inorganic origin) is known as natural gemstone.
- Que. 4 What is a synthetic gemstone?
Ans. 4 Any gemstone, completely or partially manufacture by human being is known as synthetic gemstone. The physical and chemical properties and/or their crystal structure essentially correspond to their natural occurring counterparts (natural gemstones).
- Que. 5 What is an imitation stone?
Ans. 5 Imitation stones are completely manufacture by human being. An imitation stone imitates the colour, phenomenal effect, and appearance of natural/synthetic/composite/reconstructed gemstone without possessing their physical and chemical properties and/or their crystal structure.
- Que. 6 What is a composite stone?
Ans. 6 Any gemstone, artificially manufacture by Composing/assembling of two or more natural gemstones/ synthetic gemstones/other minerals/any other material, known as a composite stone.
- Que. 7 What is a reconstructed stone?
Ans. 7 Any gem-material, artificially manufacture by melting/bonding/fusing of chips or waste of two or more natural gemstones/ synthetic gemstones/other minerals/any other material, known as a reconstructed stone.
- Que. 8 What do you mean by phenomena and phenomenal gemstones?
Ans. 8 Phenomena is an optical effect such as luster, sheen, chatoyancy, schiller, asterism, aventurescence, etc. It is a result of quantity & quality Of reflection of light off and/or below the surface of the gemstone. Many times it increases the beauty of gemstones which can be seen in natural, synthetic, imitation, composite as well as in treated gemstones.
There are a number of phenomenal gemstones, which are typically known as only because of their consisting phenomenal effect. E.g. Moonstone (sheen), Opal (play of colour), Sunstone (aventurescence), Star Ruby/Sapphire (asterism), etc.
- Que. 9 What do you mean by treatment and enhancement?
Ans. 9 Treatment and Enhancements are the trade practice which applied on a wide range as well as a wide grade of gem materials (natural/synthetic/Imitation/Composite/Reconstructed) to alter/improve/enhance their colour, luster, transparency, durability and/or phenomena and consequently their market value.
- Que. 10 Define various types of treatments?
Ans. 10 Treatments / enhancements applying in market are as follows:

TREATMENT / ENHANCEMENT

Sr. No.	Treatment / Enhancement	Terminology
1.	Coating & Spraying	A thin layer of foreign substance(s) covering the surface of the specimen, which can be removed and less durable.
2.	Impregnation	:-
	I. Colourless impregnation	Impregnated with colourless oil / resin.
	II. Coloured (dyed) impregnation	Impregnated with coloured oil / resin. When concluded – Dyed with red / blue / green colour.
3.	Heat Treatment	:-
	I. No heat	No indications of heat treatment
	II. Without additives	Indications of heat treatment
	III. With additives	:-
	a) Glass filling	Indications of heat treatment and presence of lead(pb) / bismuth / silica based glass in fissures / cavities.
	b) Residue healing	Indications of heat treatment and presence of some foreign residue(s) (e.g. borax) in fissures / cavities.
	c) Others	Indications of heat treatment and presence of lead(pb) / bismuth / silica based glass with some foreign residue(s) (e.g. borax) in fissures / cavities.
4.	Diffusion	:-
	I. Surface colour diffusion	Indications of heat treatment. To modify the body colour of the gemstone a thin layer of foreign chemical(s) developed just below the surface by applying diffusion process.
	II. Surface star diffusion	Indications of heat treatment. The star effect is developed by diffusing a thin layer of inclusions just below the surface
	III. Beryllium / Bulk diffusion	Indications of heat treatment with beryllium diffusion. To modify and/or change the body colour of the gemstone lighter element(s) like beryllium and/or lithium penetrated in the lattice structure of the gemstone by applying diffusion process.
	<i>In all the categories of "DIFFUSION" care should be taken while re-cutting / re-polishing the diffusion processed gemstone because re-cutting / re-polishing may remove its modified colour & phenomenal effects.</i>	
	Laser drilling	:-
	I. Unfilled laser drilled hole(s)	Impurities taken out by laser drilling process.
II. Filled laser drilled holes	Impurities taken out by laser drilling process and subsequently filled with glass / resin.	

Que. 11 What is astrology?

Ans. 11 Astrology is the science of studying celestial bodies (planets) and consists of a number of belief systems. It describes relationship between astronomical phenomena and events in the world.

Que. 12 What is the effect of gemstones on our life?

Ans. 12 With some invisible rays its only the **VIBGYOR** which is making this universe bright. In nature this beauty is automatically balanced by itself but in human life it is be possible by using natural gemstones.

Que. 13 What is the relation between gemstone and astrology?

Ans. 13 Given chart is showing the relation between gemstone and astrology:

CHART SHOWING THE RALATION BETWEEN ASTROLOGY & GEMSTONES

Sr. No.	Western/ Greek Name	Symbol	Sanskrit Name	Ruling Planet	Tattva (Element)	Quality	Period of Birth	Precious Gemstone	Semi-Precious Gemstone
1	Aries ("ram")		Mesa (मेष) "ram"	Mars	Tejas (Fire)	Cara (Movable)	March 21 - April 20	Red Coral	Garnet / Carnelian
2	Taurus ("bull")		Vrsabha (वृषभ) "bull"	Venus	Prithivi (Earth)	Sthira (Fixed)	April 21 - May 20	Diamond	Tourmaline/White Coral/ Zircon/ Rock Crystal (Sphetic)
3	Gemini ("twins")		Mithuna (मिथुन) "twins"	Mercury	Vayu (Air)	Dvisvabhava (Dual)	May 21 - June 20	Emerald	Jade/Peridot
4	Cancer ("crab")		Karkata (कर्कट) "crab"	Moon	Jala (Water)	Cara (Movable)	June 21 - July 22	Pearl	Moonstone
5	Leo ("lion")		Singha (सिंह) "lion"	Sun	Tejas (Fire)	Sthira (Fixed)	July 23 - August 22	Ruby	Garnet
6	Virgo ("virgin")		Kanya (कन्या) "girl"	Mercury	Prithivi (Earth)	Dvisvabhava (Dual)	August 23 - September 22	Emerald	Jade/Peridot
7	Libra ("balance")		Tula (तुला) "balance"	Venus	Vayu (Air)	Cara (Movable)	September 23 - October 22	Diamond	Tourmaline/White Coral/ Zircon/ Rock Crystal (Sphetic)
8	Scorpio ("scorpion")		Vrshcika (वृश्चिक) "scorpion"	Mars	Jal (Water)	Sthira (Fixed)	October 23 - November 21	Red Coral	Garnet / Carnelian
9	Sagittarius ("archer")		Dhanus (धनुष) "bow"	Jupiter	Tejas (Fire)	Dvisvabhava (Dual)	November 22 - December 21	Yellow Sapphire	Topaz/Citrine/Colourless Sapphire
10	Capricorn ("goat-horned")		Makara (मकर) "sea-monster"	Saturn	Prithivi (Earth)	Cara (Movable)	December 22 - January 20	Blue Sapphire	Topaz/Iolite/Lapis Lazuli
11	Aquarius ("water pourer")		Kumbha (कुम्भ) "pitcher"	Saturn	Vayu (Air)	Sthira (Fixed)	January 21 - February 19	Blue Sapphire	Topaz/Iolite/Lapis Lazuli
12	Pisces ("fish")		Mina (मीन) "fish"	Jupiter	Jal (Water)	Dvisvabhava (Dual)	February 20 - March 20	Yellow Sapphire	Topaz/Citrine/Colourless Sapphire