

THE CONCEPT OF ACQUIRED KNOWLEDGE

(*'ILM AL- \times U \hat{O} \hat{E} \hat{L} \hat{E}*);

ITS REFORMATION IN THE DISCOURSE OF MUSLIM SCHOLARS*

W. Mohd Azam b. Mohd Amin**

This paper examines the concept of acquired knowledge (*'ilm al- \acute{I} \acute{U} \acute{E} \acute{L} \acute{E}*) in the discourse of Muslim scholars in relation to the reforms made by many Muslim scholars and thinkers such as al-Sh \acute{E} fi \acute{E} (d.204/820), al-Ghaz \acute{E} l \acute{E} (d. 505/1111) and al-Dihlaw \acute{E} (d.1176/1762). Al-Sh \acute{E} fi \acute{E} contributed much to this field with his classification of knowledge into two categories, *'ilm al- \acute{E} mmah* and *'ilm al-kh \acute{E} \acute{I} \acute{L} \acute{A} \acute{H}* . Al-Ghaz \acute{E} l \acute{E} , who developed *'ilm al-mu \acute{E} malah* and *al-muk \acute{E} shafah*, suggested a method of revivification (*il \acute{y} \acute{E}*) in order to integrate the sciences of acquired knowledge. Al-Dihlaw \acute{E} developed and classified knowledge into *'ilm al- \acute{I} \acute{U} \acute{E} \acute{R} \acute{E}* and *al- \acute{I} \acute{U} \acute{E} \acute{L} \acute{E}* , and suggested the concept of *ta \acute{I} \acute{b} \acute{E} \acute{q}* in reforming acquired knowledge. Their discussions on the reformation of acquired knowledge have paved the way for modern scholars to derive concepts for the integration of human knowledge.

Keywords: Islamic sciences, Narrated sciences, Sufism, Islamic Epistemology, Islamic Philosophy.

Introduction

In Islamic Epistemology there is a slight but significant difference between the terms *al- \acute{I} \acute{m}* and *al-ma \acute{r} \acute{I} \acute{f} \acute{A} \acute{H}* . The former normally refers to one of the attributes of God who is *al- \acute{O} \acute{L} \acute{I} \acute{M}* (The Omniscient) whereas the later refers to one of the attributes of mankind who is *al- \acute{E} \acute{R} \acute{I} \acute{F}* . However, on occasions regarding the derivation of the word *'ilm* there are terminologies in the Qur' \acute{E} n that refer to the quality of man such as *al- \acute{U} \acute{L} \acute{A} \acute{M} \acute{E}* , (Al-Qur' \acute{E} n, 35:28.) *ul \acute{E} al- \acute{I} \acute{m}* (Al-Qur' \acute{E} n, 3:18.), *al-r \acute{E} sikh \acute{E} n f \acute{E} \acute{I} \acute{m} i*(Al-Qur' \acute{E} n, 3:7.) and more.

By contrast however, the Qur' \acute{E} n's word *'a, r, f* and its derivations are never attributed to God. Unlike God who is omniscient, man is lacking in all aspects including knowledge and must make every effort to acquire it. Muslim scholars agree on the definition, 'less of God's *'ilm*', as God's intellect transcends the human intellect far beyond the capacity of man's reason. For this reason God's knowledge cannot be defined and discussed deliberately; besides this, it is God alone Who grants knowledge to man.

However, a majority of Muslim philosophers unanimously agree that human knowledge (*al-ma \acute{r} \acute{I} \acute{f} \acute{A} \acute{H}*) can be defined and discussed deliberately because its nature is limited. Instead of 'human knowledge' the term 'knowledge' is used in its universally

understood context, meaning human knowledge. Haji Khalifah (1994) and F. Rosenthal (1970) have listed many definitions of knowledge in their respective and voluminous works, *Kashf al-ḌunĒn* and *Knowledge Triumphant*. All definitions made by Muslim scholars and philosophers were based on the concept that man is constituted of two elements; body (*jasad*) and spirit (*rĒĪ*), out of which their integration gives rise to the human soul (*nafs al-insĒn*). After undergoing certain processes, the soul that receives the meaning of some ‘thing’ in its actual form is said to be in a state of possessing knowledge.

Many Arabic terms refer to concepts of acquired knowledge. Some of these are ‘*Ilm al-ĪuĒĒĒĒ*, ‘*Ilm al-kasbĒ*, ‘*ilm al-Īikmiyyah al-‘aqliyyah* and others as made evident in classic Muslim literature. This kind of knowledge is normally called *al-ma‘rifah al-bashariyyah* (human knowledge) as it derives from man’s efforts to understand himself and others. The Arabic words *al-ĪuĒĒĒĒ*, *al-kasbĒ*, *al-Īikmiyyah al-‘aqliyyah*, refer respectively to man’s intellect (*al-‘aql*), senses (*al-ahsĒs*) and effort (*al-kasb*) to understand something and consequently acquire knowledge.

Al-ShĒfi‘Ē’s Classification of Knowledge.

Though not explicitly stated, al-ShĒfi‘Ē’s epistemology¹ classified knowledge in two categories: revelatory (as the source of knowledge) and human. He considered Revelation—al-Qur’Ēn and al-sunnah—the sources of knowledge given to mankind. These two sources are intentionally introduced by al-ShĒfi‘Ē in *KitĒb jimĒ‘ al-‘ilm* of *al-Umm*, in which he discussed the comprehensive nature of the knowledge of God in the form of its revelation as given to the Prophet. The interpretation, as made by the prophet, is *al-sunnah* and also falls within the ambit of revelation.

In *al-RisĒlah*, al-ShĒfi‘Ē’s discourse on knowledge mainly centred on human knowledge like the *uĒĒl al-fiqh* and *uĒĒl al-ĪadĒth* (Calder, 1983; Shukri, 2008). The first two chapters mainly discuss the Qur’Ēn, al-sunnah regarding their relationship and elucidation. The remaining ten chapters deal with man’s reason as a consequence of these

¹ Scholars like J. Schact, N.J. Coulson, W.B. Hallaq, Norman Calder, A. Hassan, H. Kamali and others have studied al-ShĒfi‘Ē’s scholarship in depth. Their study basically centred on Islamic jurisprudence as al-ShĒfi‘Ē was well versed in the methodology of *al-qiyĒs* (analogy). Not much research has been done on al-ShĒfi‘Ē’s epistemology, especially his classification of knowledge.

two sources and include the *naskh* (the theory of abrogation); religious obligation; conflicting *ĪadĒth*; *ilm* (knowledge); *khavar al-wĒlid* (the single-transmitted report); *ijmĒ'* (consensus); *qiyĒs* (analogical reasoning); *ijtihĒd* (the effort to form a right opinion); *istiĒsĒn* (juristic preference); and *ikhtilĒf* (disagreement). (Al-ShĒfi'Ē, 2009),

Without defining what knowledge is, al-ShĒfi'Ē confines his discussion to the science of *uĒĒl al-fiqh* and employs the term 'knowledge' in the sense of religious rulings. His main discussion on the 'knowledge of ruling' is that which is derived from Divine sources, *ilm aĪkĒm AllĒh* and the rulings of the Prophet. In other words, the role of man's intellect in acquiring knowledge, especially in understanding the Divine sources, is deliberately discussed by al-ShĒfi'Ē. Subsequently, it can be understood that al-ShĒfi'Ē's discussion of the concept of knowledge regards that which is acquired, as he discusses revelation in his *jimĒ' al- 'Ilm* separately.

According to al-ShĒfi'Ē (1993), human knowledge can be classified into *ilm al-dĒn* (religious knowledge) and *ilm al-dunyĒ* (worldly knowledge). What is readily deduced from al-ShĒfi'Ē's discussion is that religious knowledge is the result of man's intellectual effort to directly understand the Qur'Ēn and *Sunnah*. Thus, it leads to the development of other sciences such as *fiqh*, *uĒĒl al-fiqh*, *tafsĒr*, *ulĒm al-Qur'Ēn* etc. For this purpose al-ShĒfi'Ē emphasizes the *uĒĒl al-fiqh* in which the *al-qiyĒs* (religious analogy) became his most preferred methodology. On the other hand, worldly knowledge is the effort of man's intellect to understand this world and its phenomena, which, to some extent, does not directly deal with the Qur'Ēn and *sunnah*. An in-depth analysis of his works reveals that al-ShĒfi'Ē gives special emphasis to religious knowledge.

Al-ShĒfi'Ē (1993) suggested that religious knowledge is of two categories; *ilm al-Ēmm* (common knowledge) and *ilm al-khĒĪĪ* (specialist knowledge). Common knowledge is that which every sane, mature, adult Muslim knows and of which ignorance is impossible. This category comprises the five daily prayers, fasting during RamaĪĒn, alms giving (*zakĒt*), the pilgrimage, etc. In other words, it is knowledge which all Muslims must acquire to fulfil their religious obligations as made evident by al-ShĒfi'Ē's words, *kullifa al-'ibĒd* (individually obligatory). The source of this knowledge is Revelation, i.e. the Qur'Ēn and *sunnah*. As the Qur'Ēn is *mutawĒtir* wherein error is not possible, the same applies to the *sunnah* or *akhavar al-Ēmmah* (*al-ladhĒ lĒ yumkin fĒhi al-ghalaĪ min al-khavar*), which

qualifies it as a source of knowledge also. Error in this type of knowledge is impossible as no one disputes its having been faithfully narrated over generations. As a jurist al-ShÉfi‘Ê linked this type of knowledge to that which has the ethically legal status as an obligatory duty for all individuals (*farĪ ‘alÉ al-‘Émmah*).

As for specialist knowledge (*‘ilm al-khÉss*), al-ShÉfi‘Ê refers it to the details of the common knowledge (*‘ilm al-‘Émmah*) which are subsidiary duties and specific rulings (*furÉ‘ al-farÉ‘il, khÉĪĪ al-aĪkÉm*) from God to mankind; for example, the detailed laws regarding the five daily prayers, fasting, *zakÉt*, pilgrimage and others. Al-ShÉfi‘Ê, (1993) claimed that most of these rulings are not textually (*naĪĪan*) mentioned in the two major sources of revelation but are deduced by the practice of religious analogy (*al-qiyÉs*).

Al-ShÉfi‘Ê further stated that the method of *qiyÉs* is to be preferred when dealing with *‘ilm al-khÉĪĪah*, although other methods such as *ta‘wÉl, ra‘y, istiĪsÉn*, etc. may also be employed. In other words specialist knowledge emphasizes the use of reason by select individuals who deduce rulings from the Qur‘Én and *sunnah*. Subsequently, al-ShÉfi‘Ê is of the opinion that the legal value of acquiring this type of knowledge is a collective obligation (*farĪ fÉ hi qaĪd al-kifÉyah*). According to him this is evident in the many Qur‘anic verses on the obligation of striving for the sake of God (*jihÉd*) (Al-Qur‘Én, 9:29, 36, 38-39, 41, 111, 122). All of these verses indicate that *JihÉd* is obligatory for a group of people upon which God blesses with high rank, whereas the rest of the community is not obliged to do so.

Al-ShÉfi‘Ê’s Reformation of Acquired Knowledge

As the method of religious reasoning, according to Kamali (1996) had already been used by the companions and their successors, the effort made by al-ShÉfi‘Ê may be deemed a reformation of their methodologies. It is worth mentioning that reforms made by al-ShÉfi‘Ê preceded the arrival of Greek philosophy in the Islamic world, especially the introduction of Aristotelian logic, mostly introduced by al-FÉrÉbÉ (d.338/950). The methodology of reasoning which fell under the ambit of acquired knowledge was improved by al-ShÉfi‘Ê and his followers. He named his methodology ‘analogical religious reasoning’ (*al-qiyÉs al-shar‘É*), which deal solely with the two divine sources, al-Qur‘Én and al-sunnah.

Qiyās (Analogical Reasoning)

Although analogical reasoning existed during the lifetime of the Prophet, the first to apply it systematically was Abū an-Nuʿmān (d. 150/767). According to D. Bakar (1994), it is also said that a semi-technical use of the term *qiyās* is found in a letter from the second Caliph, ʿUmar al-Khaṭṭāb (d.23/644) to Abū Mūsá al-Ashʿarī (d. 51/672) on the issue of determining the minimum dower (*mahr*).

Unlike Aristotle's analogy, al-Shāfiʿī did not base his analogy on the syllogistic method which consists of three premises or principles² but by deducing the cause (*ʿIllah*) of the *ʾUkm* as found in the Qurʾān and *al-ʿAdith* (i.e. the *ʾĪl*), and then applying *ʾUkm* to a new case (*al-farʿ*). This is commonly practiced in the field of *fiqh* since the absence of legal value (*ʾUkm*) in both sources demands that man use his reason. In other words, the scope of al-Shāfiʿī's analogy is narrower as it only treats the *ʾUkm* of new cases (*al-farʿ*) not presented in the Qurʾān and *Sunnah*. Al-Shāfiʿī's analogy does not involve the discovery of new formulae as in the pure and applied sciences search for the laws of nature. One can term his type of analogy as *al-qiyās al-sharʿī* (i.e., religious analogy). Aristotle's syllogism is discussed elsewhere in this writing, as it was amply criticized then modified by al-Ghazālī as part of his efforts to revive Islamic religious sciences (*ʿulm al-dīn*).

In his attempt to extrapolate legal values (*al-kāʾim*), al-Shāfiʿī and his followers introduced the mechanism of *qiyās* which must be based exclusively on the following (Hassan, 1986):

- (a) *takhrīj al-manʿī* (derivation of the basis for rulings);
- (b) *tanqīḥ al-manʿī* (refinement of the basis for rulings); and
- (c) *taʾlīq al-manʿī* (the verification or ascertainment of the basis for rulings), also known as *masʿalik al-ʿIllah* (path to the cause).

Al-Manʿī al-ʾUkm or *al-ʿIllah* may be defined as a thing to which the Sharʿh has attributed the ruling or that which anchored (*naʿā*) it or appointed it as a sign for the ruling. (D.Bakar,1994). The main purpose of the *masʿalik al-ʿIllah* is to find reasons for each *ʾUkm*

² It is worth mentioning here that al-Shāfiʿī's analogy is slightly different from that of Aristotle's syllogism. In Islamic Jurisprudence, Aristotelian syllogism is termed as *qiyās al-ʾĪd* (analogy), which is one of the sub topics of the methodology of *al-qiyās* developed by the followers of al-Shāfiʿī.

as contained in the Qur'an and Sunnah. In other words, the *qiyÉs* of al-ShÉfiÑÊ and his followers are confined solely to the legal texts of the Qur'an and Sunnah; also known as *ÉyÉt wa aÍÉdÊth al-aÍkÊm* (legal verses and traditions). However, these texts are small in both number and comparison to other verses. It is said that out of more than 6,000 verses, only 300 or so concern legal rulings. This is also the case with *aÍÉdÊth al-aÍkÊm* as based solely on the categories of either *ÍaÍÊÍ* (authentic) and *Íasan* (good). As for *aÍÉdÊth*'s falling under the categories of *ÍaÑÊf* (weak) and *mawÍÊÑ* (fabricated), these are usually rejected as sources for *Íukm* in Islamic law. Accordingly, in addition to either 'obvious' (*qiyÉs jalÊ*) or 'hidden analogy' (*qiyÉs khafÊ*) as per ðanafite jurists, ShÉfiÑite jurists divided *qiyÉs* into three main categories: (a) *al-qiyÉs al-awÍÊ* (superior analogy);³ (b) *al-qiyÉs al-musÉwÊ* (equal analogy),⁴ and (c) *al-qiyÉs al-adnÊ* (inferior analogy).⁵(Kamali,1999)

Al-GhazÉlÊ's Concept of Acquired Knowledge.

AbÈ ðÉmid al-GhazÉlÊ is one of the outstanding scholars in Islamic world who mastered many areas of knowledge including jurisprudence and its principles (*fiqh wa uÍÊlih*), speculative theology (*kalÊm*), Sufism (*taÍawwuf*), Philosophy and others. Having trained under the ShÉfiÑite school of jurisprudence, al-GhazÉlÊ followed his predecessor's juristic point of view. With the knowledge of *kalÊm*, philosophy and Sufism he developed several approaches to the classification of knowledge, all of which begin with a profound comprehension of revelation, al-Qur'Én and al-Sunnah. Al-GhazÉlÊ (1980) acknowledged that he had gone through the works of al-MuÍÉsibÊ (d.857/242), al-Junayd (d.297/910) and AbÈ ÙÉlib al-MakkÊ (d.386/996) in the field of Sufism. He also probably had studied some other works of his predecessors like AbÈ Bakr al-BÉqillÉnÊ (d.402/1013), 'Abd al-KarÊm al-QushayrÊ (d.465/1072) and al-RÉghib al-ÍfahÉnÊ (d.502/1068).

³ An example of this is the case of beating one's old parents the prohibition of which is deduced from the Qur'anic verse 23, chapter 17; "Say not to them a word of contempt, nor repel them..." Saying something like "uÍ" is prohibited, let alone beating them as the action of beating is more serious than saying something bad.

⁴ The example is the case of devouring the wealth of orphans as mentioned in the Qur'Én chapter 4:10; "Those who unjustly eat up the property of orphans, eat up a fire into their own bodies; they will soon be enduring a blazing fire." Any action related to eliminating the wealth of orphans is tantamount to eating or destroying their wealth. Thus, it is prohibited.

⁵ For example, confiscating the wealth of unbelievers in war is permitted based on the permission to kill unbelievers in war.

Al-Ghaz l 's Classification of Knowledge

A study made by Bakar (1992) suggested that al-Ghaz l  employed several systems for the classification of knowledge in his epistemology; some of which are presential (*'ilm al- l  r *; *'ilm al-muk shafah*; *'ilm al-laduniyyah*); acquired (*'ilm al-   l *); religious (*shar'iyah*); intellectual (*'aqliyyah, ghayr shar' *); individual obligations (*far  'ayn*); collective obligations (*far  kif yah*); worldly sciences (*'ul m al-duny *); other-worldly sciences (*'ul m al- khirah*); theoretical; practical (*'ilm al-mu' malah*); and finally, Islamically related sciences (*'ul m al-d n*). In his discourse on knowledge, he was reluctant to talk in detail on *'ilm al- l  r * or *'ilm al-muk shafah* and the like as they are beyond the grasp of the human mind's capacity. Al-Ghaz l , (1988) described this type of knowledge as *al-malakah fawq al-'aql*. Most of his discourse on knowledge centred on humanly acquired knowledge, i.e., sciences that were based on intellection (*'ilm al-   l *); the "seeing of things as they really are" (*ma 'rifat al-shay' 'al  m  huwa bih*).

In the spirit of reform, al-Ghaz l  contributed remarkable effort towards Greek philosophy, especially Epistemology, Ontology, Cosmology and Axiology. He gave special attention to the methodology of Greek philosophy in that he praises their efforts and exercise of their intellectual power to find the truth. However, he isolated elements not in line with Islam, especially the wrong use of syllogism, the concept of the human soul and its relation to mind and body as examples. This is evident in his books on philosophy and Sufism: *Maq  id al-fal sifah*, *Tah fut al-fal sifah*, *al-Munqidh min al- al l*, *al-Qis s al-mustaq m*, *I y * 'ul m al-d n and others. His remarkable effort can be considered in modern terms as *Islamicization and 'relevantization'*, especially for conforming Greek philosophy and its methodology to Islamic values.

Another salient feature of al-Ghaz l 's concept of reform is his concept of *i y * or the revivification of religiously related knowledge or sciences (*'ul m al-d n*). Al-Ghaz l , (1988) confined his concept of *i y * to practical religious sciences (*'ilm al-mu' malah*) to the exclusion of the science of revelation (*'ilm al-muk shafah*). We can assume that this category of *'ilm al-mu' malah* is similar to another his classifications, that of the acquired sciences (*'ilm al-   l *). Most branches of practical religious sciences scattered throughout his categorization of *far  'ayn* and *far  kif yah* need revision as they are misused by certain learned men with worldly interests (*'ulam  al-duny *). This would

comply with his classification of knowledge into worldly-related sciences (*'ulĒm al-dunyĒ*) and other worldly-related sciences (*'ulĒm al-Ēkhirah*). Examples of worldly-related sciences are jurisprudence (*fiqh*), *kalĒm*, linguistics and syntax, medicine and others while other worldly-related sciences are those concerning states of the heart.

In *JawĒhir al-Qur'Ēn*, al-GhazĒIĒ (1983) clearly relates that the Qur'Ēn can be divided into two parts: the outward part (*al-Qashr, al-kiswah, al-Īadf*), and the inward part. The outward part is concerns the Arabic language (*al-lughah al-Ñarabiyyah*) from which branches three types of knowledge: (a) *TafsĒr*, the science of Arabic syntax (*iÑrĒb*); (b) the science of reading (*qirĒ'at*); (c) the science of pronunciation (*alfĒĎ*). The inwards component is the pith of the Qur'Ēn and holds two gradations. First are the lower grades (*ĪabaqĒt al-sufĒĒ*) and second are the upper grades or roots (*Ñilm al-ĪawĒb*). From the lower grades stem three types of knowledge: the history of the Prophets, *Ñilm al-kalĒm*, and Jurisprudence.

The upper grades of Qur'anic knowledge contain the knowledge of purification of the soul and the removal of the obstacles or 'destructive qualities (*al-muhlikĒt*); and secondly, knowledge for equipping the soul with saving qualities (*al-munjiyĒt*). Both are included in the knowledge of the straight path (*al-Ñilm bi al-ĪrĒĪ al-mustaqĒm*) and the mystical way (*ĪarĒq al-sulĒk*). The highest and noblest knowledge is the knowledge of God (*maÑrifah*) and of the last day (*yawm al-Ēkhirah*). These are considered highest by al-GhazĒIĒ (1983) because all other forms of knowledge are sought for their sake whereas knowledge is not sought for anything else. This sort of knowledge can be attained through the intuitive knowledge of inner realities (*kashf*).

These are the sciences as derived from the Qur'Ēn by al-GhazĒIĒ who further classifies them under *'ulĒm al-sharĒ* and *ghayr al-sharĒ*. From their classification it is clear that according to al-GhazĒIĒ, *kalĒm* and *fiqh* derive from the lower grades of the inward part of the Qur'Ēn, whereas the *maÑrifat AllĒh* is the highest and noblest knowledge of the upper grades.

Like al-ShĒfiĒ, a further classification relates to an ethical-legal position in the sense that each science has or is subjected to legal values, either *farĪ 'ayn* or *farĪ kifĒyah*. With regard to practical religion (*'ilm al-muĒmalah*), it consists of three things: beliefs, works, and prohibitions. A sane adult must observe the requirements of these three areas on attaining the age of puberty. The first is the obligation is to learn the two utterances of faith (*al-shahĒdah*) and understand them. Thus, it is called *farĪ 'ayn* for it is an individual effort

to acquire such knowledge. A detailed discussion of God and the Prophet is not required at the time of utterance but to understand them is acceptable. Once an individual acquires faith enough (*ÊmÊn*) to confess the *shahÊdah*, he must next acquire knowledge about the five daily prayers and what is related to them such as prayer times, ablution, and method of prayer, and the requirements and prohibitions entailed.

In line with al-ShÊfi'Ê's concept of '*ilm al-Êmmah*, the science of *farÎ 'ayn* of al-GhazÊlÊ covers knowledge about the tenets of Islam such as the *shahÊdah*, *ÎalÊt*, *Îawm*, *zakÊt* and *Îajj al-bayt*. The purpose of *farÎ 'ayn* is to protect the faith from deviation resulting from passing thoughts of doubt (*khaÎÊr*), evil impulses, hypocrisy and envy and to aid their eradication. This area is discussed by al-GhazÊlÊ in chapters on the destructive matters of life contained in his book the *ÎÿÊ' 'ulÊm al-dÊn* under the on the wonders of the heart', whose main theme is the concept of *îÿÊ'* of the soul. This type of science conforms to his classification of '*ulÊm al-Êkhirah* (other worldly sciences). As a ShÊfi'ite, al-GhazÊlÊ seems to have modified and improved al-ShÊfi'Ê's concept of '*ilm al-Êmmah* by naming it *farÎ 'ayn* and suggesting ways to protect the faith—a discussion absent from al-ShÊfi'Ê's work.

He divides *farÎ kifÊyah* into two sub-categories, the *shar'Ê* (sciences derived from revelation directly via human reason), and *ghayr shar'Ê* (sciences derived solely from human reason). The *shar'Ê* sciences are of two types; the praiseworthy (*al-maÎmÊdah*) and blameworthy (*al-madhmmÊmah*). The praiseworthy are set on four foundations; the *uÎÊl* (sources), *furÊ'* (branches), *muqaddimÊt* (auxiliary) and *mutammimÊt* (supplementary). The sources are al-Qur'Ên and al-sunnah comprising the consensus of all Muslims (*ijmÊ'*) and traditions of the companions (*ÊthÊr*). It seems that al-GhazÊlÊ (1988) follows al-ShÊfi'Ê's concept of '*ilm al-khÊÎah* (specialist knowledge) and shortens the phrase *farÎ fÊ hi qaÎd al-kifÊyah* in to *farÎ kifÊyah*.

The branches (*furÊ'*) are the sciences derived from the sources (*uÎÊl*), and are adduced by the mind to widen the understanding of the sources. (Al-GhazÊlÊ, 1983) They are like a collection of laws from the Qur'Ên and *ÎadÊth* that pertain to this world, and sciences that pertains to the hereafter such as the conditions of the heart. He goes on to describe the auxiliary (*muqaddimÊt*) sciences that serve as tools for the *shar'Ê* sciences such as the Arabic

language. Sciences derived from the latter are linguistics, syntax and writing that are required to understand the Qur'ân, sunnah etc.

The *mutammimât* (supplementary) sciences enhance the understanding of the sources. Such sciences are the sciences of Qur'ân, of *ÁadÉth*, of the biographic history of the Prophet (*sÉrah*), of Quranic exegesis (*tafsÉr*), of jurisprudence (*fiqh*) and so on. Surprisingly, al-GhazÉlÉ classifies the science of jurisprudence under the ambit of '*ulÉm al-dunyÉ* (worldly sciences) as *shar'É* is praiseworthy because it deals with the administration and governance of this world. (Al-GhazÉlÉ, 1988)

The *ghayr shar'É* sciences comprise three categories; the praiseworthy (*maÁmÉd*), the blameworthy (*madhmÉm*) and the permissible (*mubÉl*). As mentioned elsewhere, the praiseworthy are like the sciences of linguistics, syntax, writing, and others. Adding to this list, al-GhazÉlÉ places medicine (*al-Áibb*) and physician (*al-ÁabÉb*) to the praiseworthy. He classifies Philosophy into four main subjects; Geometry and Arithmetic (*al-handasah wa al-ÁisÉb*), Logics (*manÁiq*), Divinity (*ilÉhiyyÉt*), and some subjects of Physics (*ÁabÉ'iyÉt*) under the ambit of permissible (*mubÉl*) sciences to be learned. However, these may become blameworthy if one's intention and means are incorrect. (Al-GhazÉlÉ, 2006)

Since the science of logics (*manÁiq*) and divinity (*ilÉhiyyÉt*) are components of theology and philosophy, pursuing them is also *farÁ kifÉyah* whose task is to guard the laymen's faith against innovations that follow the philosophic disputations and erroneous theological views. It can be assumed that any science that contributes much to the religion of Islam and covers aspects of faith, laws and ethics can be included under Islamic sciences ('*ulÉm al-dÉn*).

Al-GhazÉlÉ (1988) classifies the sciences of magic, talisman, juggling, trickery and others under what is blameworthy. However, these sciences in themselves are not evil but are considered especially blameworthy because of those who seek their worldly benefits. This also goes for the '*ulÉm al-dunyÉ*, *shar'É* and *ghayr shar'É* sciences which basically are praiseworthy in nature, but when in the hand of bad people who seek worldly interests become blameworthy. Al-GhazÉlÉ gives the example of the sciences of '*ilm al-kalÉm* and *al-fiqh* which are *shar'É* in nature, and astronomy, geometry, arithmetic which are *ghayr al-shar'É*, but can be misused by evil people. Therefore, in order to guide them to the right path

he suggests that *iġyÉ* be applied to the sciences of *farġ ayn* and *farġ kifÉyah* or, for a wider scope, *ilm al-muÉmalah*.

It can be assumed that from an ethical-legal point of view, any science that falls under *farġ ayn*, *farġ kifÉyah* and *mubÉÍ*, or can be reformed to *farġ kifÉyah* or *mubÉÍ*, may be included under the *ilm al-muÉmalah* (knowledge of practical religion) or on a wider scope *ulÉm al-dÉn* (Islamic sciences). This is evident from al-GhazÉlÉ's treatment of Greek philosophy, especially the subject of Logics (*manġiq*). Having known that Logics is of Greek origin, al-GhÉzÉlÉ reforms (*iġyÉ*) it until becomes an accepted methodology for the defence of the faith (*aqÉdah*) of Islam. By purifying it from elements not in line with Islamic values, he eventually classified it under *ghayr sharÉ* whose acquisition is *farġ kifÉyah*. Until now this subject is studied as one of the Islamic sciences (*ulÉm al-dÉn*).

The Concept of Revivification (*iġyÉ*) of Acquired Knowledge.

Al-GhazÉlÉ developed the concept of *iġyÉ* for dealing with acquired knowledge or *ilm al-muÉmalah*; this category covers the narrated sciences (*ulÉm al-sharÉ*), the intellectual sciences (*ghayr al-sharÉ*), the worldly sciences (*ulÉm al-dunyÉ*) and other-worldly sciences (*ulÉm al-Ékhirah*), individual obligations (*farġ ayn*) and collective obligations (*farġ kifÉyah*). It is worth mentioning that prior to this effort al-GhazÉlÉ had mastered the sciences related to Qur'Én and Sunnah. This is evident in books such as *JawÉhir al-Qur'Én*, *al-WajÉz* and others. Furthermore, he also mastered many of contemporary sciences of his time such as jurisprudence and its principles (*fiqh wa ulÉlih*), Sufism (*taġawwuf*), speculative theology (*ilm al-kalÉm*), and Philosophy which included Mathematics and Geometry, Divinity, Logics, Physics and more.

The most remarkable effort made by al-GhazÉlÉ is his reformation of Greek philosophy which is mostly presented in the works of al-FÉrÉbÉ (d.338/950) and Ibn SÉnÉ (d.428/1037). His effort to reform philosophy began with his journey to acquire ultimate truth during which he devoted more than four years in the study of philosophy. He wrote that the aim of the philosophers (*MaqÉlid al-falÉsifah*) was to elucidate their goals, objectives and methodologies employed in their mission to find the truth. He later criticised them in *TahÉfut al-falÉsifah*, *al-QistÉs al-mustaqÉm*, *al-munqidh min al-ġalÉl* and other works.

a) Ghayr al-Shar‘É-Logic

Ghayr al-shar‘É sciences are acquired by the method of intellection much like arithmetic, medical experimentation, or sensory cognition such as the hearing of language and so forth. Logic can be classified under several categories of al-GhazÉlÉ’s system of classification such as *ghayr shar‘É*, *‘ilm al-dunyÉ* (worldly), *mubÉÍ* (permissible), and *farÍ kifÉyah*. An example al-GhazÉlÉ’s employment of the formula of *íyÉ*’ on Logic is demonstrated in the following pages. This process *kalÉm* reasoning adopts the Aristotelian methodology of the syllogism in order to strengthen theological arguments. Aristotle’s analogy as based on syllogistic reasoning is characterized by three fundamental premises or principles; the first is the ‘major premise’, the second is the ‘minor premise’ followed by the third, which is the ‘conclusion’. The first premise must be a universal rule and also an affirmative statement based on research and not on assumption, for example;

- [a] Every man must die. (First premise)
 Aristotle is a man. (Second premise)
 Therefore, Aristotle must die. (Conclusion)
- [b] Every intoxicating item is prohibited. (First premise)
 Liquor is intoxicating. (Second premise)
 Therefore, liquor is prohibited (Conclusion)

Errors occur most often when the major premise, being the most important contains a weak statement which then determines the status of the result or conclusion drawn. If the statement of the first premise is based on conjecture or hearsay, or is not universal by nature and is axiomatically wrong, it inevitably leads to the false result and vice-versa, even though the procedure (method) is syllogistically correct. Therefore, Aristotle’s analogy does not give any new information except for what transpires as a result of the first premise. There are many other examples of this point like:

- Every intoxicating item is liquid and prohibited. (First premise)
 Water is liquid (second premise)
 Therefore, water is prohibited. (Result)

The first premise of the examples given is not universal as it is not special characteristic of the object under scrutiny (i.e. intoxicating item). Hence, the result is also

incorrect though the procedure is syllogistically correct. The syllogistic mechanism is also used in deductive⁶ and inductive⁷ methods. It aims at finding the general rule which can be applied to everybody especially when it relates to man’s daily life and the laws of nature. This method of reasoning is widely used in the field of philosophy, applied sciences and theology.

However, the reasoning can only be applied to the physical/sensible world and not to the metaphysical realm (*samÑiyyÉt*, *ghaybiyyÉt*) as suggested by al-GhazÉlÉ (1980). He goes on to demonstrate the weaknesses of the syllogism especially when it involves metaphysical issues. He refers to his polemics with the MuÑtazilites on issues like God having a body, God’s justice (*al-ÑadÉlah al-ilÉhiyyah*) and others which come under the subject of Metaphysics (*al-ilÉhiyyah*). He demonstrates the above issues as follows:

[a] Deductive Proving.

Every agent-maker has a body.
God is the agent-maker.

Therefore, God has a body.

[b] Inductive Proving.

The agent-makers like weavers, cuppers, shoemaker, tailors, carpenters etc., have bodies.

Thus, every agent has a body
God is the agent-maker.

Therefore, God has a body.

On the issue of God’s justice, al-GhazÉlÉ rebuts arguments made by the MuÑtazilites that it is obligatory on God to do the best for His servants. They were unable to substantiate their contentions except for personal opinions (*ra’y*). According to al-GhazÉlÉ, this is due to incorrectness in comparing (*qiyÉs*) Creator with creature; and of God’s knowledge with their knowledge. Al-GhazÉlÉ (1980) gave his rebuttal as follows: “If the best were obligatory on God, He would do it. But it is known that He has not done it; so [that] proves that it is not obligatory-for He does not omit the obligatory”. If the MuÑtazilite doctrine as inferred from

⁶ Deduction is a conclusion reached by reasoning from general laws for a particular case.

⁷ Induction is a method of reasoning that obtains or discovers general laws from particular facts or examples.

its incorrect analogy were accepted, it would then lead to a corruption of faith as it interferes with the Absolute Power of God.

After demonstrating the loopholes of Aristotelian syllogism, al-Ghazālī went on to discuss its purpose. The method of *kalām* is simply meant to protect the layman's religious belief from any confusion created by heretics (Al-Ghazālī, 1983). He mentions that he cannot attain his aim through *kalām*, but argues that it can assist others in attaining their aims (theologians). This science also compels the layman to question philosophy with respect of the study of essence (*dhāt*), accident (*ḥāḍir*) and so forth. As a result, the layman will be confused as regards truth and falsehood. Although he denied *kalām* personally, he nevertheless approved of its use for those who prefer it (Al-Ghazālī, 1980).

In summary, in order to defend and strengthen the faith scholars of speculative theology apply Aristotelian logic, especially the syllogism. In the hands of al-Ghazālī, the subject of Logic had been revived (*il-yā'ī*) until it is qualified for inclusion as one of the *farā' kifāyah* sciences. After this process is completed one must then observe the science of the heart or 'self'.

As for other intellectual sciences, al-Ghazālī (1988) had high regard for *al-ḥibb* (medicine) and *al-ḥabīb* (physician,) to the extent they are equivalent with *uḥl al-fiqh* as they are worldly sciences and their pursuit is considered *farā' kifāyah*. This is so because during his time a large number of non-Muslims (*ahl al-dhimmah*) studied these subjects compared to Muslims who favoured the study of *fiqh* and *uḥl al-fiqh*. In other words, it can be assumed that sciences related to medicine are Islamic sciences because they are included in the *farā' kifāyah*.

b) Shar'ī sciences

As all *shar'ī* sciences derive directly from revelation they are praiseworthy. Although all are praiseworthy, "sometimes, however, they may be confused with what may be taken for praiseworthy but, in fact, are blameworthy". (Al-Ghazālī, 1988) In this case he appends that the science of jurisprudence (*fiqh*) potentially falls under this ambit. He went further to say that the main focus of jurisprudence is the governance of this world which is subjected to either the lawful or unlawful. As the jurists make judgments based on outward evidence, this science does not deal with the states of the heart which is the science of the hereafter. Should this science be in the hand of jurists who are worldly inclined, their

judgments would also be biased in that direction. He therefore, links this science with the science of the states of the heart or soul. To study the science of the states of the heart was considered *farġ 'ayn* by al-Ghazġlġ.

The underlying theme of the science of states of the heart is to revive the heart or soul of the individual so he/she will then observe and implement the Islamic values of acquired knowledge. This science discusses the reality of the human soul (*qalb, 'aql, nafs*) which has two qualities, the praiseworthy and the blameworthy. Hence, praiseworthy qualities⁸ should be equipped within the soul to replace those that are blameworthy.⁹

The soul should undergo a certain process of purification to equip it with good characteristic leading to salvation (*munjiyġt*) so as to control vices that otherwise lead it to perdition (*muhlikġt*). In order to purify the soul, al-Ghazġlġ suggests the method of *mujġhadah* (self mortification) and *riyġdah al-nafs* (self training) to be practiced. It starts with repentance (*tawbah*) and ends with the love of God (*maġabbat Allġh*), all of which he considers the stations (*maqġmġt*) of Sufism. Prior to the achievement of these stations, he suggests that one should practice devotional actions (*'ibġdah*) which are of two kinds; obligatory and supererogatory acts. Details of his method for the purification of the soul can be seen in his theory of Islamic ethics (*akhlġq Islġmiyyah*), which is also a part of philosophy.

Al-Ghazġlġ's concepts regarding the revivification (*iġyġ'*) of the sciences can be viewed as a process of integrating various sciences from acquired knowledge so they may be included within Islamic sciences (*'ulġm al-dġn*). The process begins with the person(s) involved who must undergo a process of purification of the soul and understand the science of the heart so as to enable him to integrate the other sciences. However, he faced problems with the sciences of astrology, magic and talismans as to how they might be tailored to

⁸ The praiseworthy or noble qualities are repentance (*tawbah*), patience (*'abr*), gratitude (*shukr*), hope (*rajġ'*), fear (*khawf*), asceticism (*zuhd*), surrender (*tawakkul*), contentment (*riġġ*), love (*maġabbah*) and others.

⁹ These qualities or those which lead to salvation (*al-munjiyġt*) should be equipped by one to replace blameworthy qualities (*akhlġq al-madhmġmah*) or those which lead to perdition (*al-muhlikġt*). The root of the vices are like gluttony, excess in sex, excessive speech (*sharah al-kalġm*), cursing (*la'n*), false promises (*al-wa'd al-kġdhib*) proceeding from hypocrisy (*nifġq*), lying (*kidhb*), slander (*namġmah*), backbiting (*ghġbah*), strong anger (*shiddat al-ghaġb*), rancor (*'iqd*), envy (*'asad*), love of the world (*'ubb al-dunyġ*), love of wealth (*'ubb al-mġl*), miserliness (*bukhl*), love of influence (*'ubb al-jġh*), ostentation (*riyġ'*), pride (*kibr*), conceit (*'ujb*) and others.

Islamic values in order to qualify them classification under the category of *mubÉÍ* (permissible). For this reason he classified them as blameworthy.

Al-DihlawÉ's Concept of Acquired Knowledge

Another outstanding figure reputed for his theories of reformation is ShÉh WalÉ AllÉh al-DihlawÉ. One of his theories is *taĭbÉq*, whose root word is *ĭ, b, q*, can be understood to mean the finding of common points or ideas in contradictory theories, ideologies etc so they can be practiced in line with Islamic values. His theory of adjustment/adaptation/ accommodation (*taĭbÉq*) can be seen as an attempt to reconcile various schools of jurisprudence, Sufi orders, theology and so forth in the Islamic world. It is important to analyse his theory of *ma'rifah* especially in his classification of knowledge as it is the underlying idea of his theory of *taĭbÉq*.

Like al-GhazÉlÉ, al-DihlawÉ, classifies human knowledge into *presentia* knowledge ('*ilm al-ĪlÈrÉ*) and acquired knowledge ('*ilm al-ĪlÈlÉ*) (Al-DihlawÉ, 1970). Following al-GhazÉlÉ, he is of the opinion that '*ilm al-ĪlÈrÉ* is beyond the capacity of man's reason and a gift to a selected few from God. According to al-DihlawÉ,(1974) in his work *Al-Khair al-Kathir*, this type of knowledge does not involve five external senses (*ĭsÉs*) but is transmitted through the *imaginative* faculty (*takhayyul*) and *estimative* faculty (*tawahhum*). Unlike al-GhazÉlÉ who refuses to speak of this type of knowledge, he describes this in a highly detailed explanation in which he puts the *waĭy* (revelation) of the prophets and messengers on the primary list. According to him, the *waĭy* is a privilege of the prophets alone and cannot be obtained by ordinary people.

The second on his list is knowledge of unveiling (*al-makshÈfÉt*) of which he includes many kinds of intuitive knowledge such as unveiling (*kashf*), true vision (*ru'yah al-Īlĭĭah*), insight (*firÉsah*), divine whispers (*hÉtif*), spiritual vision (*al-mubasshirÉt*) and others. This type of knowledge falls under the realm of extraordinary happenings (*khawÉriq al-Édah*) granted by God only to a select few. He of the opinion that since this is only for a select few there is no use for its elaboration it as it is not subject to his formula of adaptation (*taĭbÉq*).

Like al-GhazÉlÉ who classifies '*ilm al-mu'Émalah* into *shar'É* and *ghayr shar'É*, al-DihlawÉ has another classification that is also acquired knowledge ('*ilm al-ĪlÈlÉ*). This type is defined as 'portraying the form (of Reality) in the mind' and the 'realization or

comprehension of the known object in the intellect of the knower (the subject) (*ÍuÊl Êrah al-shay'*). It involves the four faculties of man; senses (*ÍsÊs*), imagination (*takhayyul*), estimation (*tawahhum*), and intellection (*ta'aqqul*). Al-DihlawÊ (1970, 1974)

It branches out into transmitted or narrated sciences (*al-manqÊlÊt*) and intellectual sciences (*al-ma'qÊlÊt*). *Al-ManqÊlÊt* signifies those sciences that derive by the use of man's reason from the two transmitted sources, al-Qur'Ên and al-sunnah. Examples are '*UlÊm al-Qur'Ên*', '*ulum al-ÍadÊth*', Qur'anic exegesis (*tafsÊr*), jurisprudence ('*ulÊm al-fiqh*') and its principles (*uÊl al-fiqh*), theology (*uÊl al-dÊn*), Sufism (*taÍawwuf*) and others. It seems that al-DihlawÊ fully accords with al-GhazÊlÊ's categorization of the *shar'Ê* sciences.

Accoridng to al-DihlawÊ (1999), al-Qur'Ên also deals with at least five categories of science:

- 1) The science of divine injunctions ('*ilm al-ÁkÊm*);
- 2) the science of disputation ('*ilm al-mukhÊlamah*);
- 3) the science of divine favours ('*ilm al-ÊlÊ'*);
- 4) the science covering the important events which God caused to take place ('*ilm bi ayyÊm AllÊh*);
- 5) the science which reminds human beings of death ('*ilm al-ma'Êd*).

Elsewhere, al-DihlawÊ (1974) adds other sciences like metaphysics ('*ilm al-ilÊhiyyah*), physics ('*ilm al-ÍabÊ'iyah*), eschatology ('*ilm bi mÊ ba'd al-mawt*), the science of threats and encouragements ('*ilm al-tarhÊb wa al-targhÊb*), science of creation (*takwÊniyyÊt*), and stories (*qaÍaÍ*).

In addition to *al-Ma'qÊlÊt* or *al-'ulÊm al-Íikmiyyah* (philosophical sciences) are sciences that derive by man's reason from other sources than the two revealed origins. Examples are Logics (*manÍiq*), Physical philosophy (*al-ÍabÊ'iyÊt*), Mathematics (*al-riyÊiyyÊt*), Metaphysics (*al-ilÊhiyyÊt*), Language (*al-lughah*) etc. Furthermore, there are many others that fall under a category for which al-DihlawÊ employed special terminology, that of skills or arts (*funÊn*). These are disciplines of home management (*fann tadbÊr al-manzil*), of social transaction (*fann al-mu'Êmalat*), and of practical economy (*fann ÊdÊb al-ma'Êsh*) (Al-DihlawÊ, 1996). This category is similar to that of al-GhazÊlÊ's *ghayr al-shar'Ê* sciences.

the absolute existence. Therefore, both meanings can be reconciled and a new interpretation is needed to harmonize the contradiction. He suggests that existence is a matter or quality (*Īfat*) that can be conceptualized in the mind. Moreover, there are two type of existence (*wujĒd*); the existence of the Absolute Self-existence (*wujĒd li dhĒtih or fĒ nafsihi*), and the contingent (*wujĒd li ghayrih*). If there is an object, its quality (existence) can be conceptualized by the mind through its form (*ĪĒrah*). However, if its quality disappears from the contingent(s), it/they will also disappear. Therefore, according to al-DihlawĒ both figures emphasize different issues. Ibn ‘ArabĒ stressed the eternal knowledge (*a‘yĒn al-thĒbitah*) of God who is Self-existent (*wujĒd li dhĒtihil*) whereas Sirhindi stresses the contingents (*wujĒd li ghayrihi*), i.e., this new terrestrial universe. As such there is no conflict between the two theories.

To comprehensively map his concept of *taĒbĒq*, he tried to integrate most of the sciences of acquired knowledge under an Islamic framework. Close examination of his life and works reveals that he emphasized knowledge drawn from the Qur’an and Sunnah as the basis for his concept of *taĒbĒq*. The science of the Qur’an comprising topics like *asbĒb al-nuzĒl* (reasons of revelation), *al-nasakh wa al-mansĒkĪ* (abrogation and abrogated verses) and such are of great significant to the formula of *taĒbĒq* and which improve one’s knowledge of the Qur’an. His competency on this subject is made evident in his book *al-Fawz al-kabĒr fĒ uĒĒl al-tafsĒr*. In other words, knowledge of the Qur’an and its contents is of great importance to the application of the concept of *taĒbĒq*.

Practicing, following and studying the Sunnah is another important feature of his formula of *taĒbĒq* as it becomes the yardstick for evaluating exogenous values. The science of *ĪadĒth* which includes the memorization and study of *matn* criticism is of great help in understanding his reform effort. The formula for understanding the concept of abrogation (*naskh* and *mansĒkh*) and the reconciliation of *ikhtilĒf al-aĒĒdith* (contradictory traditions) become the basis of his effort of *taĒbĒq* for the sciences of acquired knowledge (Al-DihlawĒ,(2000).

Another important aspect of al-DihlawĒ’s formula for *taĒbĒq* is his emphasis on Islamic spirituality based on authentic (*ĪaĒlĪ*) traditions. The person who wishes to apply the formula for *taĒbĒq* should purify his soul by following the *SharĒ‘ah* and Sunnah of the Prophet. By doing so, one draws closer to God and at the same time equips one’s soul with

noble qualities (*al-akhlÉq al-karÊmah*) while avoiding bad characters (*al-akhlÉq al-madhmeÊmah*). A person who has undergone this purification process is potentially granted intuitive knowledge by God.

As al-DihlawÊ's formula for *taġbÊq* deals with contradictory ideas, it is accordingly characterised by a sound intellectual discussion (*khiġab al-'ilmÊ*) in which philosophical methodology and reasoning, especially Logic, is used. Like al-GhazÉlÊ, although he prefers religious analogical reasoning (*qiyÉs al-shar'Ê*) of *Uġl al-fiqh* of al-ShÉfi'Ê, he sometimes employed the method of analogical reasoning from Greek philosophy. In other words, one of the characteristics of his formula for *taġbÊq* is to master the subjects of *Uġl al-fiqh* and Logic, both of which are classified under '*ulÊm al-dunyÉ* (worldly sciences) considered *farġ 'ayn* by al-GhazÉlÊ.

Conclusion

It is obvious that *ma'rifah* (knowledge) is one of the attributes (*ġifÉt*) through which man is considered either knowledgeable or ignorant. The attributes of man will always be in the righteous position if he follows the teachings of Islam and vice-versa. The acquired knowledge that is given special position in Islamic epistemology covers the narrated and intellectual sciences, arts and skills. They are the achievement of man's reason which is granted by God for the development of this world. Since revelation and reason work hand in hand in Islam, this implies that the concept of knowledge in Islam is naturally integrated. Previous scholars made every effort to integrate these sciences for inclusion within the Islamic framework.

In order to include these sciences in the Islamic framework, al-ShÉfi'Ê placed them under '*ilm al-'Émm* and '*ilm al-khÉġġ*. The status of '*ilm al-'Émm* is obligatory upon individual (*kullifa al-'ibÉd* or *farġ 'alÉ al-'Émmah*) and '*ilm al-khÉġġ* is the collective's obligation (*farġ fÊ hi qaġd al-kifÉyah*). His discussion was mostly directed toward religious knowledge ('*ilm al-dÊn*), especially the specialist knowledge ('*ilm al-khÉġġ*) of *uġl al-fiqh* which mainly uses man's reasoning to understand revelation. However, he does not discuss other intellectual or worldly sciences ('*ilm al-dunyÉ*).

As one of the ShÉfi'ites, al-GhazÉlÊ further developed an idea from al-ShÉfi'Ê and introduced three terminologies: *farġ 'ayn*, *farġ kifÉyah* and *mubÉġ*. Any science that suits or

is tailored to these three would be considered by al-Ghazali an Islamic science (*‘ulm al-din*). Whether narrated (*‘ulm al-shar‘*) or intellectual sciences (*ghayr al-shar‘*), in order to be included under Islamic science al-Ghazali introduced *Ily*’ which covers many disciplines. One of which is that a person involved must undergo the purification of his/her soul processes which emphasize having right intentions and choosing correct means and equipping the soul with noble qualities while avoiding blameworthy characters and traits. In other words, such a person should learn and practice the science of the heart. As for the narrated sciences (*‘ulm al-shar‘*), it is sufficient for this person to learn and practice the science of the heart as in the case of *u‘l al-fiqh* and *‘ilm al-kalim*.

As for the intellectual sciences, efforts should be made to address the issue of making the teaching of these sciences fall in line with Islamic values by purging irreligious elements from their methodology as was done in the case of Aristotle’s Logic, Ethics and so forth. In the case of sciences related to medicine, linguistic, the applied sciences and others, the person involved should abide by Islamic teachings and have the right intention and correct means.

Although a Hanafite, al-Dihlawi admired the method of religious analogy (*al-qiyas*) as per al-Shafi‘i. He introduced the formula for the reconciliation and accommodation (*ta‘lib*) of contradictory ideas in the narrated (*al-manqulat*) and intellectual sciences (*al-ma‘qulat*) of acquired knowledge (*‘ilm al-‘ulum*). As a matter of fact he added a subcategory to intellectual sciences comprising the skills and/or arts that were absent in discussions by al-Shafi‘i and al-Ghazali. These skills (*funun*) comprise the disciplines of domestic management, practical economy and social interaction.

With regard to *‘ilm al-‘ulum*, he is in full accord with al-Ghazali’s idea for *‘ilm al-mukashafah* which is not subject to the concept of *ily*. With regard to *‘ilm al-‘ulum* and like al-Ghazali, he emphasizes the purification of soul of the person who will apply the formula of *ta‘lib*. This person should have sufficient knowledge in the Qur’an and its sciences, the Sunnah and its sciences, the *u‘l al-fiqh*, Logic and Philosophy. As a traditionalist (*muladdith*), he stresses the importance of basing every concept, idea, terminology and argument undertaken on the authentic tradition (*al-‘adath al-‘alimiyah*). Therefore, any issue is to be intellectually discussed from a worldview as based on the Qur’an and Sunnah, and the traditional discourse of Islam’s Juristic and Philosophical teachings.

Al-Sh fi‘ , al-Ghaz l  and al-Dihlaw  held in common the sound knowledge of the Qur’ n, Sunnah, *Qiy s* (religious analogy), Arabic language, Islamic spirituality and Ethics. In al-Sh fi‘ ’s favour, he is the founder of the methodology of religious analogy (*al-qiy s*) which is known as the science of *u l l al-fiqh* thereafter. In their favour, al-Ghaz l  and al-Dihlaw  also had sound knowledge of Greek Philosophy covering at least Logic and Divinity. Hence, both employed Logic and philosophical arguments via syllogism in their discussions on any issue. In al-Dihlaw ’s favour, he always based and concluded arguments by quoting authentic traditions. Thus, their frameworks for the concept of acquired knowledge lit the path for later generation to fathom concepts concerning the integration of knowledge.

* Paper presented at the International Conference on Islamization in Modern Science and Scientification of Islamic Studies: Prospects and Bridges, Organized by The Kulliyah of Science, IIUM, Kuantan, Pahang, on 7-8 December, 2011.

** Associate Professor at the Department of U l l al-d n and Comparative Religion, Kulliyah of Islamic Revealed Knowledge and Human Sciences, International Islamic University, Malaysia.