

Answer Key

Question No.	Answer	Question No.	Answer	Question No	Answer
1	D	13	D	25	C
2	C	14	B	26	B
3	A	15	D	27	A
4	C	16	B	28	D
5	D	17	D	29	A
6	C	18	D	30	B
7	B	19	D	31	C
8	B	20	C	32	C
9	C	21	B	33	C
10	B	22	B	34	B
11	B	23	B	35	A
12	C	24	D	36	B

Explanation:

Q. No.	Explanation
1	Explanation:

	<ul style="list-style-type: none"> ● The quid pro quo (Latin for "something for something") principle is the fundamental trade-off in patent law. ● The inventor gets a limited-period monopoly (exclusive rights), but in return, they must fully disclose the invention so that others can learn from it and innovate further. ● After the patent expires, the invention enters the public domain, benefiting society.
23	<p>Explanation:</p> <ul style="list-style-type: none"> ● A Complete Specification must be filed within 12 months of the provisional filing. ● New matter not disclosed in the provisional application cannot be added to the Complete Specification. ● If the modification is a substantial improvement beyond the provisional, the inventor must file a separate patent application.
26	<p>Explanation - A publicly available research paper describing the same technology would qualify as prior art, making the patent invalid.</p>
28	<p>Explanation:</p> <ul style="list-style-type: none"> ● Tesla retains ownership of its patents but chooses not to enforce them as a business strategy. ● This promotes industry growth while allowing Tesla to maintain control over future innovations.
29	<p>Explanation:</p>

	<ul style="list-style-type: none"> ● Provisional to Complete Specification: 12 months (Section 9(1)). ● Request for Examination: 31 months (Rule 24B(1)(i)). ● Publication of Patent Application: 18 months after filing (Section 11A). ● Response to First Examination Report (FER): 6 months (extendable by 3 months) under Rule 24B(5).
30	<p>Explanation:</p> <ul style="list-style-type: none"> ● Claims define the legal protection of a patent. If multi-touch was only mentioned in the description but not included in the claims, it cannot be enforced in an infringement case
31	<p>Explanation:</p> <ul style="list-style-type: none"> ● A Complete Specification must provide full disclosure so that a person skilled in the field can reproduce the invention. ● Deliberate concealment of critical details violates the "Enablement Requirement", making the patent vulnerable to revocation.
32	<p>Explanation: Although computer programs per se are not patentable, this system applies AI in a technical manner (i.e., controlling traffic signals dynamically) to produce a real-world effect, making it eligible for patent protection.</p>
34	<p>Explanation: Business methods, including pricing models, are not patentable under Section 3(k). This invention is purely a commercial strategy using software and does not involve a technical process that enhances computing, data security, or hardware performance.</p>

36	Explanation: H04B covers transmission systems, including multiplexing techniques for fiber-optic communication, aligning with the invention's focus on bandwidth efficiency. Subclass H04N (pictorial communication) is specific to video processing, not transmission infrastructure. Class G02 (optics) focuses on optical hardware, not communication systems, and C03B (glass manufacturing) is unrelated to the device's function