**Justify whether the following can be patented in India or not.**

1. A torch having an alarm clock : **No.** Combination of inventions of known feature to make a new device cannot be patented
2. A new species of butterfly found in western ghats : **No**, living things cannot be patented
3. A new way of illuminating room for better photography : **No**, aesthetic creation of cinematographic works cannot be patented.
4. A software which can recommend the hotels to users based on their online behavioural patterns : **No**. Software product alone cannot be patentable.
5. An ayurvedic massage technique to quickly relieve back pain : **No**. Methods of human treatment cannot be patented
6. A new hairstyle. **No**. A method of performing an act cannot be patented.
7. A makeup kit and process which makes the wearer look younger. **No.** Therapeutic procedures of any kind are not patentable.
8. A kind of grass in Himalayas which can cure cancer. **No.** Plants cannot be patented.
9. A software for preparing timetable in colleges. **No.** Software cannot be patented.
10. A smart device and software for detecting unlawful activities. **Yes.** Hardware and software when it has technical application becomes patentable.
11. Fan with light. **No.** Combination of inventions of known feature to make a new device cannot be patented.
12. Mechanical car cleaning device. **Yes.** It passes three patentability criteria and hence patentable.
13. Pizza with health benefits. **Yes.** Food products are patentable with Patent Amendment Act 2005 if all three patentability criteria are met.
14. New star near Pluto. **No**. Discovery of anything occurring in nature cannot be patented.
15. App which auto-dials ambulance on emergency. **Yes.** Software detects emergency situation when it uses server for processing data is patentable.
16. Self-driving cars. **Yes.** A novel techinque that does not surface in previous patents in such case can be patented.
17. Electric perfume sprayer. **No.** There is absence of industrial application.
18. Smart drainage block detector. **Yes.** Hardware in combination with software meeting all patentability criteria is patentable.
19. New form of salsa dance. **No.** Method of performing an act is not patentable.
20. Hat with torch. **No.** Combination of devices as such is non-patentable.
21. New breed of dog. **No.** Animals cannot be patented.
22. Process for finding shortest route from one city to another. **No**. Mathematical methods being act of mental skill are non-patentable.
23. Printer which accepts files through Wi-Fi. **No.** Since there is no relevant industrial application, it is non-patentable.
24. An intelligent automobile that initiates payment in toll booths. **Yes.** Software in combination with hardware meeting all patentability criteria can be patented.
25. Method for sowing seeds automatically. **No.** Agricultural methods cannot be patented.
26. Computer program without hardware. **No.** Computer programs cannot be patented.
27. Device for executing humans. **No.** Inventions causing harm to humans are non-patentable.
28. Compounds of an earlier patented medicine. **No.** Chemical compounds are not patentable.
29. Live human-made microorganism. **Yes.** Micro-organisms can be patented.
30. A chemical which makes a tennis ball to move upwards when dropped from 100 meters height. **No.** Any product that claims anything contrary to natural laws are non-patentable.
31. An apparatus and method to increase the yield of paddy in low rainfall regions. **No.** Agricultural methods cannot be patented.
32. A novel method to display important information to students in college notice board. **No.** Presentation of information cannot be patented.
33. A process to reduce the time of radioactive fusion in nuclear reactors. **No.** As per Atomic Energy Act 1962, inventions relating to atomic energy are non-patentable.
34. A device to optimally capture moving images in wearable instruments and a procedure to identify and process the known objects in them. **Yes.** Hardware in combination with software meeting all patentability criteria is patentable.