I What do you mean by Mundane, Expert, Formal tasks in AI classify following AI applications can Mundame Expert, Formal task along with justification. A. Helpdesk assistance for mobile company B. Disease Predictor c. Flow chart generator of a cprogram - Mundane tasks refer to tasks that are noutine and can be easily performed by a machine with little human supervision such as data entry, customer service task, speech recognition, etc. common sense, masoning and planning are common characteristics of - Expert tasks sefer to tasks that require specialized knowledge or training and also requires high analytical and thinking skills such as medical diagonosis, advice etc - Formal tasks rufer to tasks that involve formal successing or logical deduction such as theorem proving or program verification. - A. Mundame task as task is to answer common quistions of the customers - B. Expert task as task is to pudict the diseases by analyzing the patient's medical history, symptoms and - C. Formal task as task is to automatically generate a flowchart from a c program by analyzing the control flow and logical structure of the code

2. Défine PEAS (Performance, Environment, Actuators, Sensors) for following: a) Self driven car 6) Number plate detection system. > a) Self driven car: - Performance: Navigating to a specified distination without collision or traffic violations, comfortable trip, accuracy in detection, fast, mileage, etc. - Environment: Roads, Static and Synamic Objects on soud, Traffic signals, Goad Signs, whether, etc. - Actuators: steering, accelerator, brake, norn, headlights wippers, difogger, airbags, etc - Sensors: Cameria, RADAR, LIDAR, Ultrasonic sensor, lane assistance technology, GPS, speedometor, engine-sensor Keyboard, etc b) Number plate detection system: - Performange Accuracy in extracting text from number plate and sucognizing it, quality of captured image, Recognizing in less time - Environment: Different angle and orien orientation of plate on vehicles, objects other than vehicles, etc. - Actuators: Recognizer, Image scanner, System to capture and render image to find corresponding character, etc. - Sensors: Camera, Ultrasonic Sensors, etc