

ST. ANDREWS SCOTS SR. SEC. SCHOOL

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Session - 2025-2026

Class - VII

Subject - Computer

Topic - L - 9 (Smart Living)

Q1 Tick the correct option.

1. (ii) Second
2. (ii) Automated transportation
3. (ii) Smart Smoke detectors
4. (i) Second
5. (iv) All of these

Q2 Fill in the blanks

1. Third
2. Surveillance
3. Smart Thermostats
4. Gateways

Q3. State True and False.

1. True
2. True
3. False
4. True

Q4 Answer these questions.

Ans 1. A smart highway features green spaces with plants and trees along the road. If space is limited, vertical gardens can be used . The system provides SMS alerts for traffic updates and medical emergencies.

Ans2. AI affected the automated transportation by improving efficiency, safety and sustainability through technologies like autonomous vehicles, optimized traffic management.

Ans3. Tesla and Waymo

Ans4. Challenges of establishing smart cities

- a) Financial challenges due to lack of proper funds.**
- b) Growing population**
- c) Digital security issues**
- d) Lack of high speed Internet facility and connectivity issues.**

Ans5. Benefits of Smart Cities are:-

- a) They have an adequate water supply.**
- b) They have better transportation facilities.**
- c) Smart Cities have smart street lights.**
- d) The Public utilities are very efficient.**

Ans6. Google's DeepMind has already beaten doctors in detecting fatal diseases like breast cancer in its early detection. It will not be very far that AI detect common diseases as well.

Application based questions: -

Ans i) CCTV Cameras

ii) Lethal Autonomous weapon system (LAWS)