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Question Paper Code: 50027

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

Second Semester

Agriculture Engineering

15UPH207 – PHYSICS FOR AGRICULTURAL ENGINEERING

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

- The conductors having _____ conductivity materials.
(a) high (b) low (c) both (d) none of these
- Internal field due to
(a) magnetic dipoles (b) current
(c) electric dipole (d) Lorentz field
- Photo voltaic cell is received energy from
(a) sun light (b) moon light (c) wind (d) tides
- GASIFICATION is the process of producing
(a) petroleum (b) biogas (c) coal (d) none of these
- Metallic glasses are also called
(a) Amorphous metals (b) Non-Amorphous metals
(c) Crystalline metals (d) None of these
- If the C-C bond is parallel to the axis of the tube then the type of CNT is
(a) chiral (b) arm chair (c) zig-zag (d) none of these

18. (a) What are Metallic Glasses? Explain in detail about production and give its applications. (16)

Or

(b) Write short notes on CNT. (16)

19. (a) What is electromagnetic spectrum? and Explain the transmittance absorptance and reflectance of radiation incident on a specimen. (16)

Or

(b) Explain about remote sensing method. (16)

20. (a) Explain the effect of ionizing radiation in biological organism. (16)

Or

(b) Explain the applications of food irradiation by dosage level of radiation. (16)
