BALASORE SCHOOL OF ENGINEERING

MODEL QUESTIONS

Sub-UET **Branch-Electrical**

Sem-5th

Group A Answer all the questions. **2×10=20**

a.Define current efficiency.

b.Give the name of one high frequency heating method.

c.Why arc welding is better suitable for construction work?

d. Define luminous intensity.

e.Define M.S.C.P.

f.Define utilization factor.

g.What is traction ?

h.Define Solid angle.

i.Why AC is most suitable for resistance welding?

j.What is skin effect?

Group B Answer any six **6×5=30**

a.Write basic principle of electro deposition.

b. Explain briefly the factors affecting the amount of electro-deposition.

c.Explain direct resistance heating.

d.Explain DC & AC arc phenomena.

e.State & explain law of illumination.

f.Differentiate between group drive & individual drive.

g. Explain magnetic track breaking.

Group C Answer any three **10×3=30**

1.What are the applications of electrolysis?

2.Explain vertical core type induction furnace with neat sketch.

3. What is resistance welding ? Explain different types of resistance welding.

4. Write short notes on High pressure mercury vapour lamp.

5. Explain regenerative braking with three phase induction motor .

Note:The answers of the above questions are available in the notes uploaded in the website.