BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BBA **SEMESTER : V/ADD**
BRANCH: BBA **SESSION : MO/18**

SUBJECT: BBA5003 INTERNATIONAL TRADE & BUSINESS

TIME: 3.00 HOURS **FULL MARKS: 60**

INSTRUCTIONS:
1. The question paper contains 7 questions each of 12 marks and total 84 marks.
2. Candidates may attempt any 5 questions maximum of 60 marks.
3. The missing data, if any, may be assumed suitably.
***4*. Before attempting the question paper, be sure that you have got the correct question paper.**
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)	What is international trade?	[2]
Q.1(b)	Why is trading across borders challenging?	[4]
Q.1(c)	Describe the factors that have contributed to growth of International trade in last few decades.	[6]
Q.2(a)	What is the economics of trade taking place between nations?	[2]
Q.2(b)	Briefly describe the comparative cost theory of international trade.	[4]
Q.2(c)	Critically evaluate the comparative cost theory and its assumptions.	[6]
Q.3(a)	What is meant by multinationalism?	[2]
Q.3(b)	Describe the polycentric and geocentric orientations of international companies.	[4]
Q.3(c)	What are the major criticisms forwarded by the host countries against multinational companies?	[6]
Q.4(a)	What is protectionism?	[2]
Q.4(b)	How are tariff barriers different to quantitative restrictions?	[4]
Q.4(c)	Briefly describe the most important types of nontariff barriers.	[6]
Q.5(a)	Describe how WTO and GATT are different?	[2]
Q.5(b)	What are the purposes of the International Monetary Fund?	[4]
Q.5(c)	What are the different programmes under which the world bank lends?	[6]
Q.6(a)	What do you understand by export promotion?	[2]
Q.6(b)	Describe the major determinants of exports from India.	[4]
Q.6(c)	What are the major imports of our country. Based on your assessment of the imports for last few years, project a trend and describe its implications for the country.	[6]
Q.7(a)	What do you understand by foreign exchange market?	[2]
Q.7(b)	What are fixed and flexible exchange rates of currency?	[4]
Q.7(c)	What does the current account and capital account of a BOP statement of a country suggest?	[6]

:::::30/11/2018:::::E

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BE **SEMESTER : V**
BRANCH: EEE **SESSION : MO/18**

SUBJECT: EE5207 POWER SYSTEM - I

TIME: 3.00 HOURS **FULL MARKS: 60**

INSTRUCTIONS:
1. The question paper contains 7 questions each of 12 marks and total 84 marks.
2. Candidates may attempt any 5 questions maximum of 60 marks.
3. The missing data, if any, may be assumed suitably.
***4*. Before attempting the question paper, be sure that you have got the correct question paper.**
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a) Derive a formula showing how the amount of conductor material required for power transmission lines is dependent on system voltage and power factor. [2]

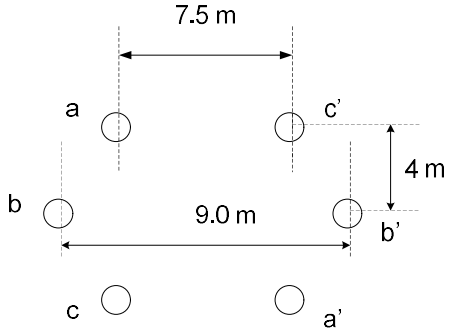
Q.1(b) Define (i) diversity factor (ii) plant capacity factor (iii) three part tariff [4]

Q.1(c) A factory has reactive power of 180 kVAR at its maximum load operating at 0.8 p.f lagging with an annual consumption of 50000 units. The tariff is Rs.50 per kVA maximum demand plus 10 paise per unit. Calculate the annual bill. What will be the annual savings if p.f is raised to unity? [6]

Q.2(a) What are bundled conductors? Derive their advantages in overhead transmission of power. [2]

Q.2(b) Find the expression for inductance per phase of a double circuit 3 phase line. [4]

Q.2(c) Determine the capacitance per km of a transposed double circuit 3 phase line shown in figure. Each circuit of the line remains on its own side. The diameter of the conductor is 2.532 cm. [6]



Q.3(a) How does guard ring improves string efficiency? Explain. [2]

Q.3(b) Prove that for the same dimensions an insulating cable with an intersheath can withstand a working voltage 33% higher than a non-intersheath cable. Make suitable assumption. [4]

Q.3(c) A single core cable of conductor diameter 2 cm and lead sheath of diameter 5.3 cm is to be used on a 66 kV, 3 phase system. Two intersheaths of diameter 3.1 cm and 4.2 cm are introduced between the core and lead sheath. If the maximum stress in the layer is same, find the potentials at which the intersheaths must be maintained. [6]

Q.4(a) Define critical visual disruptive voltage. [2]

Q.4(b) Explain the effect of wind loading on the sag with equations. [4]

Q.4(c) Derive the sag d = $\frac{WL^2}{8H}$ [6]

Q.5(a) With proper connection diagrams, mention different types of connection observed at distribution level. [2]

Q.5(b) Write brief note on (1) Feeders (2) Distributor (3) Service Main [4]

Q.5(c) Derive the maximum voltage drop of DC distributor with 4 concentrated loads fed at both the ends with equal voltages. How can the voltage of load point with minimum voltage out of 4 load points be improved? [6]

Q.6(a) Explain Ferranti-Effect. [2]

Q.6(b) Derive the ABCD constants for Medium line if the line capacitance is lumped at Load end. [4]

PTO