Sub Code: NAR306

Paper Id: 181316 Roll No: | | | | | | | | | | | | |

BARCH

(SEM III) THEORY EXAMINATION 2019-20

ARCHITECTURAL SERVICES-II

Time: 3 Hours *Total Marks: 50*

Notes:

- *Attempt all Sections.*
- *Assume any missing data.*

SECTION A

Q.1 Attempt all questions. **(10x1=10)**

a) Series &Parallel circuit
b) Spot Light
c) Ceiling Fan
d) Exhaust Fan
e) Switch Board 15 Amps.
f) Geyser
g) Heater
h) Plug
i) Tube light
j) Earthing

SECTION B

Q.2 Attempt any five questions. **(5x5=25)**

a) Write the short notes on street lighting and flood lighting
b) Write the short notes on ambient lighting and task lighting.
c) Explain the difference between MCB and fuses
d) Describe and compare the difference system of wiring used for domestic installation
e) Define switches and plugs. Write its type and its uses.
f) Importance of lighting in interiors
g) Differentiate between low pressure and high-pressure discharge lamps.

SECTION C

Q.3 Attempt any two of the following **(2x7.5=15)**

a) Draw the electrical layout of a plan of room size 6m X 4m and toilet size 2mX2.5m show layout of as per NBC codes.
b) A dining hall 16X10X3m is to be illuminated to a level 200 lux. The maintenance factor 0.8 and co-efficient utilization factor is 0.75 Calculated the no. of lamps required to illuminate the complcte area if the output lumen of the lamps selected is 3000 lumen.
c) Calculate the number of lamps required for illuminating factory area of size 40.0mt X 24.0 mt. The average illumination required at work place is 450 Lux. The lamps having lumen output of 16000 lumens each are to be used. Assuming the Coefficient of utilization to be 0.7 & Maintenance factor to be 0.6.

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