NOTE:- 1. Write answer on your copy. Make PDF using cam scanner or other app.
स्वयं की कॉपी मे उत्तर लिखे | के म-स्कै नर या अन्य एप का उपयोग करते हुए पी. डी. एफ बनाएं|

2. Send only pdf of answer at Email ID : rahulkushwaha08101993@gmail.com
उत्तर की पी. डी. एफ़ को rahulkushwaha08101993@gmail.com पर भेजे |

3. Last date of Answer Submission is 24/03/2020.
उत्तर जमा करने की अंलतम तारीख 24/03/2020 है |

SHRI VAISHNAV POLYTECHNIC COLLEGE,INDORE (M.P.)
CIVIL ENGG.DEPARTMENT SESSION :- JAN-JUNE 2020
CLASS : 6th SEM CIVIL ENGINEERING
SUBJECT : PHE

Que.1- What is difference between Raw water engineering and Waste water engineering?

Que.2- Write qualities of Raw water.

Que.3- Explain different methods of determining Turbidity.

Que.4- What do you understand by Hardness? How is it determined?

Que.5- Write different types of treatment given to Raw water.

Que.6- Explain process and types of sedimentation.

Que.7- Explain different methods of removal of hardness of water.

Que.8- Explain working of slow sand and rapid sand filter with neat sketch.

Que.9- How disinfection is carried out? What is break point chlorination?

Que.10- Describe different methods of population forecasting.

NOTE:- 1. Write answer on your copy. Make PDF using cam scanner or other app.
स्वयं की कॉपी मे उत्तर लिखे | के म-स्कै नर या अन्य एप का उपयोग करते हुए पी. डी. एफ बनाएं|

2. Send only pdf of answer at Email ID : shashikochale.ce@gmail.com
उत्तर की पी. डी. एफ़ को shashikochale.ce@gmail.com पर भेजे |

3. Last date of Answer Submission is 24/03/2020.
उत्तर जमा करने की अंलतम तारीख 24/03/2020 है |

SHRI VAISHNAV POLYTECHNIC COLLEGE,INDORE (M.P.)
CIVIL ENGG.DEPARTMENT SESSION :- JAN-JUNE 2020
CLASS : 6th SEM CIVIL ENGINEERING
SUBJECT : SDD-II

Que.1- Differentiate between Lap joint and Butt joint.

Que.2- Write common terms used in riveting.

Que.3- Explain failures of riveted joint.

Que.4- Write assumptions for design of riveted joint.

Que.5- Differentiate between welding and riveting.

Que.6- Calculate the efficiency of single riveted lap joint riveted with 16 mm dia rivet. The plate are 5cm wide and 8 mm thick. Take stresses as follows-

Pt = 150 N/mm2, PS= 78.5 N/mm2, Pbr = 157.5 N/mm2.

Que.7- A single riveted lap joint is used to connect 12 mm thick plates. If 20 mm dia, powered rivet shop rivet are used, determine the strength of joint and efficiency if the guage is 6cm. take axial tensile stress is 0.6fy. take axial fy = 250N/mm2.

Ques.8- Differentiate between WSM and LSM.

Que.9- Explain how size of weld is determined.

Que.10- Write advantages and disadvantages of steel structures.

NOTE:- 1. Write answer on your copy. Make PDF using cam scanner or other app.
स्वयं की कॉपी मे उत्तर लिखे | के म-स्कै नर या अन्य एप का उपयोग करते हुए पी. डी. एफ बनाएं|

2. Send only pdf of answer at Email ID : kapil.mohaliya03@gmail.com
उत्तर की पी. डी. एफ़ को kapil.mohaliya03@gmail.com पर भेजे |

3. Last date of Answer Submission is 24/03/2020.
उत्तर जमा करने की अंलतम तारीख 24/03/2020 है |

SHRI VAISHNAV POLYTECHNIC COLLEGE,INDORE (M.P.)
CIVIL ENGG.DEPARTMENT SESSION :- JAN-JUNE 2020
CLASS : 6th SEM CIVIL ENGINEERING
SUBJECT : QSC-II

Quantity surveying & costing - II

Date: / / Page no:

Q1. Write methods of valuation. Explain briefly ?

Q2. What do you mean by depraciation?

Q3. Write various methods of depriciation. Explain any one?

Q4. Differentiate between salvage value and scrap value?

Q5. For a septic tank the excavation is $3.2 \times 3.2 \times 2.5 m^3$. Calculate the following items of works..

(i) Base concrete 1:3:6 - 15 cm thick

(ii) Brick masonary 1:6 - in 20 cm thick wall.

(iii) Quantity of materials required for (i) and (ii)

Q6. On a land of 1500 m^2 in Bhopal city a Bungalow is situated. The build up portion is 30m x 30m The building is provided with

NOTE:- 1. Write answer on your copy. Make PDF using cam scanner or other app.
स्वयं की कॉपी मे उत्तर लिखे | के म-स्कै नर या अन्य एप का उपयोग करते हुए पी. डी. एफ बनाएं|

2. Send only pdf of answer at Email ID : kapil.mohaliya03@gmail.com
उत्तर की पी. डी. एफ़ को kapil.mohaliya03@gmail.com पर भेजे |

3. Last date of Answer Submission is 24/03/2020.
उत्तर जमा करने की अंलतम तारीख 24/03/2020 है |

SHRI VAISHNAV POLYTECHNIC COLLEGE,INDORE (M.P.)
CIVIL ENGG.DEPARTMENT SESSION :- JAN-JUNE 2020
CLASS : 6th SEM CIVIL ENGINEERING
SUBJECT : QSC-II

water supply, sanitary and electric supply. The age of the building is 30 years. Assume land rate 1000 Rs/m^2, plinth area rate 4000 Rs/m^2. workout valuation of property ?

Q7. Calculate quantities of following items for a RCC slab culvert which is of 1.5m wide span and 4m length :-

a) Earth work in excavation in foundation
b) Cement concrete 1:3:6 in foundation?
c) First class brick work in cm 1:4

Q8. Differentiate free hold and lease hold property ?

Q9. What do you mean by :-
(i) Capitalized value
(ii) Years purchase

Q10 Calculate quantities of various items for a septic tank which is 3m long, 2m wide and 2m deep inside ?