

Job role- Supervisor-Roads and Runways

QP Code-CON/Q1004

Total Marks-200 Marks

Duration- 150 Minutes

Each NOS - 40 Marks

Infrastructure: Classroom, Benches, Pens, pencils

Marks

CON/N1011: Maintain coordination among superiors and subordinates

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| 1 | List down the types of drawings and some standard code of practice related to materials used in pavement construction work | 5 |
| 2 | List down the Name of document(pre,progressive,post) required at construction site for pavement construction work | 5 |
| 3 | List down the sequence of activities (pre,progressive ,post) involved in laying of flexible pavement | 5 |
| 4 | The full form of abbreviation used in pavement construction work as listed below

RCC
SD
SH
BM
GSB | 5 |
| 5 | List down types of manpower required for flexible and rigid pavement construction work and their average productivity rate | 10 |

6 Explain the standard procedure of handling bituminous mix and admixtures 10

CON/N1012: Organise equipments and complete preparatory works prior to pavement laying

7 What should be methods/approaches to minimize idle time of machineries? 5

8 List down all hand and power tools used in Laying of WBM/WMM, Bituminous courses 5

9 what are preparatory activities carried out before deploying equipments at flexible pavement construction 10

10 What should be important instruction points to Equipment Operator from supervisor while carrying out activities involved in pavement construction work 10

11 List down the productivity of Each equipment listed below in relevant applied units 10

Excavator
roller
paver
batching plant
Hot mix plant

CON/N1013: Supervise construction works in flexible and rigid pavements

12 What should be done to those portions of pavement which are inaccessible to roller for compaction 5

13 What are methods or features added in pavement to avoid damage from rainfall 5

- 14 What are the checks done in reinforced concrete work and how are these performed? 10
- 15 Explain step by step procedure of laying bituminous mix in surface and binder courses by paver machine 10
- 16 Differentiate between Prime coat, Seal coat and Tack coat. List out the corresponding courses to each of these coats is applied after? 10

CON/N1014: Carry out checks to the completed works in flexible/ rigid pavement

- 17 How many types of vibrator are used for compaction of concrete, explain step by step procedure of compaction of concrete in rigid pavement. 10
- 18 Explain in brief the different types of curing method including advantages of each method? 10
- 19 Explain methodology of repairing work of rigid pavement. 10
- 20 List out the checks performed on construction materials bitumen ,cement , aggregates, admixtures, steel Reinforcement bars 10

CON/N9002: Manage workplace for safe and healthy work environment

- 21 Explain the importance of mock drills, tool box talks 8
- 22 List out hazards associated with pavement construction work 8
- 23 Explain safe practices while carrying out pavement construction work 8

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| 24 | Explain the best housekeeping practices which should be adopted at construction site | 8 |
| 25 | Explain the response system in case of emergencies | 8 |