

**FINAL ANSWER KEY**

Paper: The Kerala PWD Manual  
Date of Examination: 05-09-2019

Question1:-Who is in control of the main executive unit of PWD?

- A:-Chief Engineer
  - B:-Superintending Engineer
  - C:-Executive Engineer
  - D:-Assistant Executive Engineer
- Correct Answer:- Option-C

Question2:-The work of PWD is carried out through how many main wings

- A:-5
  - B:-3
  - C:-4
  - D:-2
- Correct Answer:- Option-A

Question3:-Who controls the Establishment matters in PWD?

- A:-Administrative Officer
  - B:-Chief Engineer (Administration)
  - C:-Dy. Chief Engineer (Administration)
  - D:-Chief Administrative Officer
- Correct Answer:- Option-B

Question4:-Which rank of officer heads the environment cell of PWD?

- A:-Executive Engineer
  - B:-Chief Engineer
  - C:-Superintending Engineer
  - D:-Environmental Officer
- Correct Answer:- Option-A

Question5:-What is KHRI

- A:-Kerala Highway Research Institute
  - B:-Kerala High Rise Building Institute
  - C:-Kerala Human Resource Institute
  - D:-Kerala Health Research Institute
- Correct Answer:- Option-A

Question6:-Which department is to be consulted for repairs of vehicles and machineries?

- A:-PWD
  - B:-Irrigation
  - C:-KSRTC
  - D:-Motor vehicles department
- Correct Answer:- Option-B

Question7:-Who Plans, organise and coordinate works based on budget allocations?

- A:-Executive Engineer
  - B:-Dy Chief Engineer
  - C:-Finance officer
  - D:-Chief Engineer
- Correct Answer:- Option-D

Question8:-Who scrutinize budget estimates and furnish proposals to government?

- A:-Chief Engineer
- B:-Chief Technical Examiner
- C:-Administrative Officer

D:-Finance Officer

Correct Answer:- Option-A

Question9:-Who is to test check 10% of value of works beyond the power of Asst Exe Engineer

A:-Chief Engineer

B:-Superintending Engineer

C:-Executive Engineer

D:-Assistant Engineer

Correct Answer:- Option-C

Question10:-Who is in control of a Sub division?

A:-Assistant Engineer

B:-Assistant Executive Engineer

C:-Executive Engineer

D:-Superintending Engineer

Correct Answer:- Option-B

Question11:-Who is responsible for making arrangements for maintenance works?

A:-Executive Engineer

B:-Asst Exe Engineer

C:-Chief Engineer

D:-Assistant Engineer

Correct Answer:- Option-B

Question12:-Who is in control of a section?

A:-Executive Engineer

B:-Chief Engineer

C:-Asst Exe Engineer

D:-Assistant Engineer

Correct Answer:- Option-D

Question13:-Generally who is responsible for taking and recording measurements?

A:-Contractor

B:-Asst Executive Engineer

C:-Executive Engineer

D:-Assistant Engineer

Correct Answer:- Option-D

Question14:-Who is to prepare detailed drawings on field data as per approved designs?

A:-Assistant Engineer

B:-3rd Grade Overseer

C:-Executive Engineer

D:-Chief Engineer (Designs)

Correct Answer:- Option-B

Question15:-Who monitor's that contractor faithfully observes Gen. Conditions of contract?

A:-Assistant Engineer

B:-Assistant Executive Engineer

C:-Contractor

D:-3rd Grade Overseer

Correct Answer:- Option-D

Question16:-Who is responsible for conducting soil investigation works?

A:-Lab Technician

B:-3rd Grade Overseer

C:-Asst Engineer

D:-Design Engineer

Correct Answer:- Option-B

Question17:-What is the duty of a 1st/2nd Grade Draughtsman?

- A:-Approve contractor's bills
- B:-Tabulate tenders
- C:-Design of Bridges
- D:-Issuing approval's to sub: offices

Correct Answer:- Option-B

Question18:-The finance Branch in a PWD office deals with, \_\_\_\_\_.

- A:-Transfers and Postings
- B:-Maintaining service books
- C:-Preparation of Agreements
- D:-Preparing monthly accounts

Correct Answer:- Option-D

Question19:-Who generally assists the Chief Engineer (Administration) in deputing officers for various training programs?

- A:-Executive Engineer (HR)
- B:-Dy Chief Engineer
- C:-Administrative Officer
- D:-Establishment Officer

Correct Answer:- Option-A

Question20:-Who conducts enquiries regarding allegations against any PWD staff?

- A:-Chief Engineer (Administration)
- B:-Dy. Chief Engineer (Administration)
- C:-Dy. Chief Engineer (Vigilance)
- D:-Chief Technical Examiner

Correct Answer:- Option-C

Question21:-The Electrical Wing of PWD deals with \_\_\_\_\_.

- A:-Asst Engineer Electrical
- B:-Asst Exe Engineer Electrical
- C:-Executive Engineer Electrical
- D:-Suptg. Engineer Electrical

Correct Answer:-**Question Cancelled**

Question22:-Who is responsible for the implementation of RMMS?

- A:-Chief Engineer Administration
- B:-Dy. Chief Engineer R & B
- C:-Director Designs
- D:-Executive Engineer (Planning R & B)

Correct Answer:- Option-D

Question23:-Who is responsible for emergency works under roads section?

- A:-Executive Engineer, Roads
- B:-Chief Engineer, Roads
- C:-Asst Engineer, Roads
- D:-Suptg. Engineer, Roads

Correct Answer:- Option-C

Question24:-Who manages specialized projects?

- A:-Chief Engineer, Projects
- B:-Chief Engineer, Roads
- C:-Chief Engineer, NH
- D:-Chief Engineer, Administration

Correct Answer:- Option-A

Question25:-Administrative Officer is under direct control of \_\_\_\_\_.

- A:-Chief Engineer, Roads

B:-Chief Engineer, Administration

C:-Chief Engineer, Projects

D:-Chief Engineer, Buildings

Correct Answer:- Option-B

Question26:-Whose duty is to maintain the departmental vehicle log books?

A:-Driver

B:-Assistant Engineer

C:-Administrative officer

D:-Mechanical Engineer

Correct Answer:- Option-A

Question27:-Who assists the EE in exercising financial control over the transactions of the Division?

A:-Dy. Executive Engineer

B:-Senior superintendent

C:-Divisional Accountant

D:-Head clerk

Correct Answer:- Option-C

Question28:-Who is in OVERALL control of the HR & Training Cell?

A:-Executive Engineer

B:-Chief Engineer, Administration

C:-Dy. Chief Engineer, Administration

D:-HR Manager

Correct Answer:- Option-B

Question29:-The test required to be passed before declaration of probation

A:-PSC recruitment test

B:-PWD proficiency test

C:-KPWD training exam

D:-Departmental test by KPSC

Correct Answer:- Option-D

Question30:-What is the duration of Orientation Training for new recruits?

A:-2 weeks

B:-3 to 6 days

C:-1 week

D:-2 to 3 days

Correct Answer:- Option-A

Question31:-Who supervises the IT cell?

A:-Chief Engineer, Designs

B:-Chief IT Engineer

C:-Executive Engineer IT

D:-Sr Software Engineer

Correct Answer:- Option-C

Question32:-How many categories of works are included in the budget head of R & B?

A:-1

B:-2

C:-3

D:-4

Correct Answer:- Option-D

Question33:-To whom shall original works of NH to be proposed?

A:-MoRTH

B:-PWD Secretary

C:-Office of Prime Minister

D:-NHAI

Correct Answer:- Option-A

Question34:-Who receives the money collected as Test FEES by KHRI?

A:-Kerala Road Fund Board

B:-PWD

C:-Finance Department

D:-Central Road Research Institute

Correct Answer:- Option-A

Question35:-Which is NOT an external funding agency for PWD works?

A:-NABARD

B:-Govt. of India

C:-World Bank

D:-Asian Development Bank

Correct Answer:- Option-B

Question36:-What is GIS?

A:-Geographical Information System

B:-Geometrical Information System

C:-General Information System

D:-Global Information System

Correct Answer:- Option-A

Question37:-Who carries out GPS field survey in PWD?

A:-Central GIS unit

B:-Local GIS unit

C:-Circle Office

D:-Department of surveys

Correct Answer:- Option-B

Question38:-Who shall proceed to site in receiving an information of Major Accident?

A:-Chief Engineer

B:-Executive Engineer

C:-Suptng. Engineer

D:-Asst Engineer

Correct Answer:- Option-D

Question39:-Which cell co-ordinates the Road Safety Activities of PWD?

A:-HR Cell

B:-Road Safety cell

C:-IT cell

D:-RMMS cell

Correct Answer:- Option-B

Question40:-How is Road safety Black Spot at which accidents are clustered are identified?

A:-Jn/bend/short length of 300-500 m

B:-Location where no lighting

C:-Location where the road is black

D:-Location painted with black spots

Correct Answer:- Option-A

Question41:-What is the IRC code for Road signs?

A:-IRC 67-2001

B:-IRC 28-2006

C:-IRC 78-2014

D:-IRC 112-2011

Correct Answer:- Option-A

Question42:-Specification for Road safety works are available in \_\_\_\_\_.

- A:-PWD Manual
- B:-PWD Code
- C:-PRICE software
- D:-MoRTH specification for Road and Bridges

Correct Answer:- Option-D

Question43:-What is the frequency of inspection by AE buildings for certification of safety?

- A:-Once a year
- B:-Every 3 months
- C:-Every six months
- D:-Twice a year

Correct Answer:- Option-D

Question44:-Who has the responsibility of Bridge Safety?

- A:-Chief Engineer
- B:-Assistant Engineer
- C:-Asst Exe Engineer
- D:-Executive Engineer

Correct Answer:- Option-D

Question45:-Who shall arrange Refugee Camps in Disaster in liaison with district collector?

- A:-Chief Engineer
- B:-Assistant Engineer
- C:-Asst Exe Engineer
- D:-Executive Engineer

Correct Answer:- Option-D

Question46:-What kind of pollution occurs due to gas, dust, fumes and odour?

- A:-Water pollution
- B:-Noise pollutions
- C:-Air pollution
- D:-Land pollutions

Correct Answer:- Option-C

Question47:-What is act to be followed for environmental aspects?

- A:-National and State Acts of India``
- B:-World Bank Acts
- C:-International Environmental Act
- D:-UN Environmental Act

Correct Answer:- Option-A

Question48:-Who is to issue labour Licence for construction?

- A:-Department of Explosives
- B:-Department of Labour
- C:-Department of Environment
- D:-PWD

Correct Answer:- Option-B

Question49:-What happens when contractor fails to comply standard EMP?

- A:-He is black listed
- B:-Work cancelled at risk and cost
- C:-He is sent for compulsory training
- D:-Receives only partial payment

Correct Answer:- Option-D

Question50:-What is the study conducted for social impact of a project?

- A:-Env. Impact Assessment

- B:-Social Impact Assessment
  - C:-Construction Impact Assessment
  - D:-Project Impact Assessment
- Correct Answer:- Option-B

Question51:-Investigations to be carried out in how many phases

- A:-2
- B:-3
- C:-4
- D:-5

Correct Answer:- Option-A

Question52:-Who is responsible to conduct preliminary investigation?

- A:-Asst Engineer
- B:-Asst Exe Engineer
- C:-Executive Engineer
- D:-Suptg Engineer

Correct Answer:- Option-A

Question53:-What is meant by MSL?

- A:-Median Safe Level
- B:-Most Suitable Level
- C:-Mean Sea Level
- D:-Minimum Survey Level

Correct Answer:- Option-C

Question54:-Which reference book shall be used for investigation of Road Works?

- A:-IRC 58-2002
- B:-IRC 37-2001
- C:-IRC : SP : 19-2001
- D:-IRC 67-2001

Correct Answer:- Option-C

Question55:-Axle Load studies are done in \_\_\_\_\_.

- A:-Soil investigation
- B:-Building investigation
- C:-Bridge investigation
- D:-Road Investigation

Correct Answer:- Option-D

Question56:-Selection of materials for road construction shall be strictly as per \_\_\_\_\_.

- A:-Local conditions
- B:-Standard Data Book
- C:-Old Approved Estimates
- D:-IRC/MoRTH guide lines

Correct Answer:- Option-D

Question57:-What is the order of construction of shoulder and pavement?

- A:-Shoulder and then pavement each layer by layer
- B:-Pavement and then shoulder each layer by layer
- C:-Full pavement thickness and then full shoulder thickness
- D:-Full shoulder thickness and then full pavement thickness

Correct Answer:- Option-B

Question58:-Which document provides the Qualification Criteria for Bids?

- A:-PWD Manual
- B:-PWD code
- C:-Bid document

D:-Contractor's Manual

Correct Answer:- Option-C

Question59:-What is NOT a factors in controlling Road Alignment?

A:-Traffic

B:-Geometric design

C:-Economy

D:-Axle Load

Correct Answer:- Option-D

Question60:-How many stages are there for Engineering Surveys for Roads?

A:-2

B:-4

C:-6

D:-8

Correct Answer:- Option-B

Question61:-What is required for determination of Road Vertical Profile?

A:-Land Availability

B:-Financial Sanction

C:-Design of Vertical Curves

D:-Design of structures

Correct Answer:- Option-C

Question62:-What is NOT a factor in selecting site for Bridge?

A:-Scenery

B:-High and Stable Banks

C:-Width of channel

D:-Depth of channel

Correct Answer:- Option-A

Question63:-What is the length of straight stretches of river required U/S and D/S of bridge site?

A:-500 m

B:-300 m

C:-200 m

D:-100 m

Correct Answer:- Option-D

Question64:-What is the objective of sub surface investigation for Bridges?

A:-Determine the depth of water

B:-Determine the width of River

C:-Determine the Chemistry of water

D:-Determine suitability of soil/rock

Correct Answer:- Option-D

Question65:-IS : 4453-1980 shall be referred for \_\_\_\_\_.

A:-Super structure design of building

B:-Site Exploration

C:-Foundation design of building

D:-Elevation design of building

Correct Answer:- Option-B

Question66:-How many types of estimates are there in PWD?

A:-4

B:-5

C:-3

D:-6

Correct Answer:- Option-D



Question67:-How many parts are there for a detailed estimate?

- A:-5
- B:-6
- C:-8
- D:-7

Correct Answer:- Option-D

Question68:-What is the role of State PWD regarding National Highways?

- A:-Sourcing funds
- B:-Issuing NH numbers
- C:-Agent for Govt. of India
- D:-Owner for State Govt.

Correct Answer:- Option-C

Question69:-Who accords AS for works on Raj Bhavan?

- A:-Controller, Governor's Household
- B:-Comptroller and Auditor General
- C:-Accountant General
- D:-Secretary, Finance

Correct Answer:- Option-A

Question70:-What is the percentage charges for plan and estimate for private deposit works?

- A:-2%
- B:-3%
- C:-2.5%
- D:-5%

Correct Answer:- Option-C

Question71:-What is the rates for works to be followed by all Govt. Departments?

- A:-Market Rates
- B:-CPWD Rates
- C:-Kerala PWD Schedule of Rates
- D:-Own rates for each department

Correct Answer:- Option-C

Question72:-What is the Data to be followed for preparing estimates for roads?

- A:-Kerala PWD data
- B:-MoRTH data
- C:-Self made data
- D:-Statistic Dept. Data

Correct Answer:- Option-B

Question73:-Who shall fix the Local Market Rate?

- A:-Chief Engineer
- B:-Executive Engineer, Buildings
- C:-Executive Engineer, Roads
- D:-Executive Engineer, Designs

Correct Answer:- Option-B

Question74:-Who accords administrative sanction?

- A:-Chief Engineer Administration
- B:-Administrative Officer, PWD
- C:-Executive Engineer
- D:-Government

Correct Answer:- Option-D

Question75:-What is the third type of sanction required other than AS & TS for works?

- A:-Financial Sanction

B:-Commencement Sanction

C:-Feasibility Sanction

D:-Viability Sanction

Correct Answer:- Option-A

Question76:-Who is the Highest Registering Authority for contractors?

A:-Chief Engineer

B:-Suptg. Engineer

C:-Executive Engineer

D:-Government

Correct Answer:- Option-B

Question77:-What is the limit of Electrical works that can be taken up by A category contractors?

A:-All works

B:-Up to 55 lakhs

C:-Up to 6 lakhs

D:-Up to 15 lakhs

Correct Answer:- Option-A

Question78:-When is Departmental Execution method adopted?

A:-At the discretion of CE

B:-When there is no contractor

C:-When the work complicated technically

D:-For convenience

Correct Answer:- Option-B

Question79:-In which contract type the rates are quoted as percentage above or below

A:-Item rate contract

B:-Piece work contract

C:-Lump sum contract

D:-Percentage rate contract

Correct Answer:- Option-D

Question80:-How much minimum land shall be available for Road Construction?

A:-60%

B:-100%

C:-50%

D:-25%

Correct Answer:- Option-A

Question81:-When is Pre qualification bidding procedure followed

A:-Works costing more than 5 crore

B:-Works costing more than 10 crore

C:-Works costing more than 15 crore

D:-Works costing more than 50 crore

Correct Answer:- Option-A

Question82:-At what level shall Pre bid meeting to be held for Large works

A:-Chief Engineer's level

B:-Govt. level

C:-Suptg. Engineer's level

D:-Executive Engineer's level

Correct Answer:- Option-A

Question83:-When can negotiations made for tenders?

A:-No negotiations after opening

B:-When the amount is too high

C:-When the amount is too low

D:-When the registration is not valid

Correct Answer:- Option-A

Question84:-Who has to prepare the Working Drawings?

A:-Asst Engineer

B:-Asst Executive Engineer

C:-Design wing

D:-Contractor's site Engineer

Correct Answer:- Option-D

Question85:-What is the maximum limit of payment without detailed scrutiny of bills?

A:-90%

B:-50%

C:-60%

D:-75%

Correct Answer:- Option-D

Question86:-Agreed rate is applicable up to what % of excess of that particular item

A:-10%

B:-15%

C:-25%

D:-50%

Correct Answer:- Option-C

Question87:-Where shall the drawing be maintained?

A:-Division office

B:-Site office

C:-Section office

D:-Sub division office

Correct Answer:- Option-B

Question88:-What is the remedy for over excavation?

A:-Fill it back with earth

B:-No payment for excess earth work

C:-Fill up by concrete/Masonry

D:-Charge FINE on contractor

Correct Answer:- Option-C

Question89:-What is the minimum time allowed to drain after aggregates are washed for Road Works?

A:-24 Hrs

B:-48 Hrs

C:-72 Hrs

D:-12 Hrs

Correct Answer:- Option-C

Question90:-Normally, how many hours required for removal of shuttering of beam faces?

A:-24 Hrs

B:-48 Hrs

C:-72 Hrs

D:-7 days

Correct Answer:- Option-A

Question91:-What item above 1000 cu.m shall be reported to Chief Technical Examiner?

A:-Aggregates for road works

B:-Concrete

C:-Earth work

D:-Masonry

Correct Answer:- Option-C

Question92:-Who normally prepares estimate for electrical works?

- A:-AE KSEB
- B:-AE electrical, PWD
- C:-Any approved electrician
- D:-Electrical consultants

Correct Answer:- Option-B

Question93:-Type of wiring shall be resorted to as far as possible in electrification works

- A:-concealed wiring
- B:-open wiring
- C:-piped wiring
- D:-underground wiring

Correct Answer:- Option-B

Question94:-What is the threshold for technical audit?

- A:-All maintenance works
- B:-All original works above 5 crores
- C:-All maintenance works above 5 crores
- D:-All original works

Correct Answer:- Option-B

Question95:-Cationic Bitumen Emulsion is advantageous for \_\_\_\_\_ road works.

- A:-Both New and Maintenance
- B:-Only maintenance works
- C:-Only new works
- D:-Only for BM & BC works

Correct Answer:- Option-A

Question96:-What is the renewal frequency of BM & AC roads?

- A:-3 years
- B:-5 years
- C:-10 years
- D:-7 years

Correct Answer:- Option-D

Question97:-Where is the register of buildings kept?

- A:-Section
- B:-Sub Division
- C:-Division
- D:-Circle

Correct Answer:- Option-C

Question98:-What is the periodicity of varnishing and oiling work of govt. buildings?

- A:-Once in a year
- B:-Twice in year
- C:-Once in two years
- D:-Once in five years

Correct Answer:- Option-C

Question99:-Who acts as the estate officer of all Govt. Buildings?

- A:-Chief Engineer Buildings
- B:-District collector
- C:-Asst Engineer Buildings
- D:-Executive Engineer Buildings

Correct Answer:- Option-D

Question100:-What is the basic value on which depreciation is applied during building evaluation?

- A:-Market value

B:-Estimated capital value

C:-Value shown in registration

D:-Value on which tax is paid

Correct Answer:- Option-B