

Q.1	Minimum diameter of a sewer pipe for other than hilly area shall be.....mm	1.0 Mark
(A)	100	
(B)	150	
(C)	200	
(D)	250	

Q.2	As per IRWM, a crack in a building is considered “major” if the size is more than.....mm	1.0 Mark
(A)	10	
(B)	8	
(C)	5	
(D)	3	

Q.3	As per IRWM, the maximum desirable value of total dissolved solids in drinking water is mg/l	1.0 Mark
(A)	500	
(B)	600	
(C)	800	
(D)	2000	

Q.4	Which type of Estimate is prepared in order to enable Competent Authority to give Administrative Approval?	1.0 Mark
(A)	Detailed Estimate	
(B)	Revised Estimate	
(C)	Abstract Estimate	
(D)	Supplementary Estimate	

Q.5	As per IRWM, for assessment of Water demand to Railway colonies including flushing requirements, how much quantity of water in litres per day per head shall be considered?	1.0 Mark
(A)	135	
(B)	150	
(C)	200	
(D)	250	

Q.6	Re-appropriation between one Grant & another Grant of a zonal railway requires the approval of	1.0 Mark
(A)	PHOD	
(B)	GM	
(C)	Railway Board	
(D)	DRM	

Q.7	The maximum amount of study leave, which may be granted to a Railway employee of engineering department during his entire service ismonths	1.0 Mark
(A)	12	
(B)	36	
(C)	48	
(D)	24	

Q.8	A statement of the estimated receipts and expenditure of the Government of India for that year, referred to as	1.0 Mark
(A)	Appropriation Statement	
(B)	Annual Budget	
(C)	Financial Statement	
(D)	Receipt and expenditure Statement	

Q.9	If actual depth of neutral axis of a RCC beam is less than the theoretical depth of neutral axis, the beam section is said to be...	1.0 Mark
(A)	Balanced	
(B)	Under-Reinforced	
(C)	Over-reinforced	
(D)	None of the above	
Q.10	“PVC” in a contract stands for	1.0 Mark
(A)	Price Valuation Clause	
(B)	Price Variation Clause	
(C)	Price Variation Contract	
(D)	Price Vitiating Contract	
Q.11	Stores Tenders are governed by	1.0 Mark
(A)	IRS Conditions of Contract	
(B)	EPC Conditions of Contract	
(C)	General Conditions of Contract for Works	
(D)	General Conditions of Contract for Services	
Q.12	The ownership of all land held by the Railway vests in the.....	1.0 Mark
(A)	Railway Board	
(B)	Central Government	
(C)	State Government	
(D)	Local Administration	
Q.13	What is the Full form of “ROR” used in the estimate for sanction of new project?	1.0 Mark
(A)	Revision of Rates	
(B)	Rate of Revenue	
(C)	Rate of Return	
(D)	Review of Rates	
Q.14	Elcometer is equipment used for finding	1.0 Mark
(A)	Wind velocity	
(B)	Dry Film thickness	
(C)	Wind pressure	
(D)	Velocity of water	
Q.15	As per IRWM, Minimum residual chlorine available at the farthest end of a water supply system shall be ---- ppm	1.0 Mark
(A)	0.2	
(B)	0.5	
(C)	1	
(D)	2	
Q.16	What is the maximum No. of days for accumulation of Leave on Half Average Pay (LHAP).	1.0 Mark
(A)	300	
(B)	360	
(C)	No Limit	
(D)	240	

Q.17	Works under “List of Approved Works (LAW) are sanctioned by	1.0 Mark
(A)	President	
(B)	Minister of Railways	
(C)	Railway Board	
(D)	General Manager	

Q.18	Group A & group B officers are entitled for.....Sets privilege passes per year	1.0 Mark
(A)	3	
(B)	4	
(C)	5	
(D)	6	

Q.19	Expansion of PN, as per GRS	1.0 Mark
(A)	Periodical Notification	
(B)	Periodical Negotiation	
(C)	Private Number	
(D)	Permanent Number	

Q.20	In Railway, the minimum grade of concrete adopted for RCC works shall be?	1.0 Mark
(A)	M 15	
(B)	M 20	
(C)	M 25	
(D)	M 35	

Q.21	The Demands for Grants for the Works Budget is.....	1.0 Mark
(A)	Demand No.4	
(B)	Demand No.5	
(C)	Demand No.11	
(D)	Demand No.16	

Q.22	As per IRWM, the desirable pH value of drinking water is.....	1.0 Mark
(A)	6.5 to 8.5	
(B)	6 to 7	
(C)	7 to 8	
(D)	6 to 9	

Q.23	The Building Registers shall be available in which of the following departments	1.0 Mark
(A)	Engg & Personnel	
(B)	Personnel & Accounts	
(C)	Engg & Security	
(D)	Engg & Accounts	

Q.24	Works required to safe guard the property or repair the damaged track due to floods etc are done through	1.0 Mark
(A)	Calling for tender	
(B)	Limited Tender	
(C)	Urgency Certificate	
(D)	None of the above	

Q.25	A.....shall be kept in the Office of SSE/Works for entering of complaints by the occupants of Railway quarters, wherever SSE/Works is headquartered, as per IRWM	1.0 Mark
(A)	Petty Register	
(B)	Grievances Register	
(C)	Petty Repair Book	
(D)	Complaint Book	

Q.26	Maximum permissible speed of Group C route iskmph	1.0 Mark
(A)	160	
(B)	110	
(C)	130	
(D)	None of the above	

Q.27	Which is the elementary Hindi Course prescribed for Central Government Employees?	1.0 Mark
(A)	Praveen	
(B)	Prabodh	
(C)	Pragya	
(D)	Parangat	

Q.28	As per GCC, quantities operated more than 125% but below 140 will be paid at the rate of	1.0 Mark
(A)	98% of accepted rate	
(B)	94% of the accepted rate	
(C)	96% of accepted rate	
(D)	None of the above	

Q.29	The Railway land, lying idle, that can be put to profitable use is known as....., as per Engineering Code.	1.0 Mark
(A)	Disposable Land	
(B)	Acquired Land	
(C)	Surplus Land	
(D)	Available Land	

Q.30	If a Railway Employee joins the new post without availing any joining time, the joining time as admissible shall be credited to his leave account as	1.0 Mark
(A)	Casual Leave	
(B)	Special Casual Leave	
(C)	Leave on Half Average Pay	
(D)	Leave on Average Pay	

Q.31	Requirement of water per head per day in WorkShops is.....liters	1.0 Mark
(A)	10	
(B)	20	
(C)	30	
(D)	45	

Q.32	The Successful tenderer has to depositafter issue of letter of acceptance but before signing of contract agreement.	1.0 Mark
(A)	Bid Security	
(B)	Security Deposit	
(C)	Earnest Money Deposit	
(D)	Performance Guarantee	

Q.33	Quotation powers for sanction by Sr.DEN/Co per year isLakhs	1.0 Mark
(A)	5	
(B)	10	
(C)	50	
(D)	60	

Q.34	Which type of valve should be provided between the Pump and the delivery valve for protection of the pump in a Water supply system?	1.0 Mark
(A)	Butter-fly valve	
(B)	Gate valve	
(C)	Sluice valve	
(D)	Non-return valve	

Q.35	No work shall be commenced & no expenditure shall be incurred on a work if has been sanctioned therefor.	1.0 Mark
(A)	Abstract Estimate	
(B)	Detailed Estimate	
(C)	Revised Estimate	
(D)	Supplementary Estimate	

Q.36	In respect of provision of Passenger Amenities, Sub-Urban stations are categorised as	1.0 Mark
(A)	NSG	
(B)	SG	
(C)	HG	
(D)	None of the above	

Q.37	PH 31 is used for booking expenditure of :	1.0 Mark
(A)	Bridge works	
(B)	Track Renewal	
(C)	S&T works	
(D)	Level crossing	

Q.38	Official Languages Act was framed in the year	1.0 Mark
(A)	1963	
(B)	1967	
(C)	1976	
(D)	1965	

Q.39	Workability and consistency of concrete can be measured by.....	1.0 Mark
(A)	Standard Penetration Test	
(B)	Cube test	
(C)	Slump test	
(D)	Vane Shear test	

Q.40	Which is NOT a method for Expenditure Control?	1.0 Mark
(A)	Budgetary Control and Financial Reviews	
(B)	Internal Audit and CAG Audit	
(C)	Review of Unsanctioned and Objectionable items of Expenditure	
(D)	Material Modification and Price Variation clause	

Q.41	Out of the following, which soil will have least value of angle of internal friction?	1.0 Mark
(A)	Clay	
(B)	Dense sand	
(C)	Loose sand	
(D)	Gravel	

Q.42	Temporary hardness of water is due to the presence of	1.0 Mark
(A)	Sulphates & Chlorides of calcium	
(B)	Sodium Chloride	
(C)	Carbonates & bicarbonates of calcium	
(D)	Oxides of iron	

Q.43	A male railway servant may be granted Paternity Leave for a period of.....days	1.0 Mark
(A)	10	
(B)	15	
(C)	20	
(D)	30	

Q.44	As per IRWM, the.....jointly with RPF, Police and SSE (Works or P.Way) are responsible for preventing encroachments and for driving out the trespassers at stations.	1.0 Mark
(A)	Chief Traffic Inspector	
(B)	Station Master	
(C)	Chief Goods Supervisor	
(D)	Chief Commercial Inspector	

Q.45	Which article of the Constitution contains provisions regarding the Official Language of Union of India?	1.0 Mark
(A)	348	
(B)	349	
(C)	343	
(D)	345	

Q.46	When is World Hindi Day Celebrated?	1.0 Mark
(A)	46279	
(B)	46032	
(C)	46350	
(D)	46270	

Q.47	An Officer who is appointed for taking action under PPE Act to protect Railway premises is known as	1.0 Mark
(A)	Revenue Officer	
(B)	Yard Manager	
(C)	Chief Lands Officer	
(D)	Estate Officer	

Q.48	As per IRWM, how much quantity of supplied water (in %) is considered for design of a sewerage system.	1.0 Mark
(A)	60	
(B)	70	
(C)	90	
(D)	80	

Q.49	Railway Budget has been merged with Central Budget w.e.f	1.0 Mark
(A)	2017-18	
(B)	2019-20	
(C)	2018-19	
(D)	2020-21	

Q.50	No. of days of Leave on Half Average pay (LHAP) than can be credited in a year is	1.0 Mark
(A)	30	
(B)	20	
(C)	15	
(D)	10	

Q.51	Traps are used in household drainage systems to.	1.0 Mark
(A)	Prevent entry of foul gases in the houses	
(B)	Restrict the flow of water	
(C)	Provide partial vacuum	
(D)	Trap the solid wastes	

Q.52	The source of fund (allocation) meant for Passenger amenity works is	1.0 Mark
(A)	Capital	
(B)	DF-I	
(C)	DF-II	
(D)	DF-III	

Q.53	As per Engineering Code, the “Dispensing with calling of tender” is popularly known as....	1.0 Mark
(A)	Limited Tender	
(B)	Special Limited tender	
(C)	Single Tender	
(D)	Quotation	

Q.54	Maximum height (in mm) above rail level for high passenger platforms	1.0 Mark
(A)	840	
(B)	760	
(C)	600	
(D)	500	

Q.55	As per Official Language Act 1963, Punjab belongs to.....Region.	1.0 Mark
(A)	A	
(B)	B	
(C)	C	
(D)	D	

Q.56	As per IRWM, what is the minimum slope of floor of bath room towards water outlets?	1.0 Mark
(A)	1 in 45	
(B)	1 in 50	
(C)	1 in 60	
(D)	1 in 100	

Q.57	The Order placed on the Firms for supply of materials by the Competent Authority is known as	1.0 Mark
(A)	Supply Order	
(B)	Stock Order	
(C)	Non-stock Order	
(D)	Purchase Order	

Q.58	If a Stop Signal is at ON, the Aspect of Signal shall be	1.0 Mark
(A)	Double-Yellow	
(B)	Single-Yellow	
(C)	Green	
(D)	Red	

Q.59	Minimum radius of curvature for BG track as per IRSOD is ...m	1.0 Mark
(A)	150	
(B)	175	
(C)	200	
(D)	250	

Q.60	As per IRWM, Railway Sanitation Committees are appointed by	1.0 Mark
(A)	CMS	
(B)	DRM	
(C)	PCMD	
(D)	GM	

Q.61	All the platform shelters are to be inspected by the SSE (Works), once inyears	1.0 Mark
(A)	5	
(B)	1	
(C)	2	
(D)	3	

Q.62	Ortho-tolidine test is used for checking the concentration of ...	1.0 Mark
(A)	Dissolved oxygen	
(B)	Residual chlorine	
(C)	Biochemical Oxygen Demand	
(D)	Dose of coagulant	

Q.63	As per Engineering code Grade compensation shall be allowedper cent per degree of curvature for BG	1.0 Mark
(A)	0.01	
(B)	0.02	
(C)	0.03	
(D)	0.04	

Q.64	For a cantilever beam subjected to a vertical load at the free end, the maximum bending moment occurs at	1.0 Mark
(A)	Fixed end	
(B)	Free end	
(C)	Mid-span	
(D)	None of the above	

Q.65	The Cost of Tender Forms payable by a Tenderer for participating in an e-Tender is Rs.....	1.0 Mark
(A)	5000	
(B)	3000	
(C)	2000	
(D)	0	

Q.66	Zonal Contract falls under the category of	1.0 Mark
(A)	Schedule Contract	
(B)	Lumpsum Contract	
(C)	Piece work Contract	
(D)	EPC Contract	

Q.67	Which works are carried out under the Plan Head 53 of the Railway Budget?	1.0 Mark
(A)	Gauge Conversion	
(B)	Track Renewals	
(C)	Customer Amenities	
(D)	Staff Welfare & Amenities	

Q.68	Maximum Mobilisation Advance payable to a Contractor under a Contract is.....% of the contract value.	1.0 Mark
(A)	20	
(B)	15	
(C)	10	
(D)	5	

Q.69	As per IRWM, the allowable Velocity of flow in a sewer is recommended not to exceed ---- mps	1.0 Mark
(A)	2	
(B)	1	
(C)	0.8	
(D)	1.5	

Q.70	Common Salt (Sodium Chloride) is of.....	1.0 Mark
(A)	Acidic	
(B)	Alkalic	
(C)	Alcoholic	
(D)	None of the above	

Q.71	Bridge foundations and substructures shall be inspected by	1.0 Mark
(A)	SSE/Works	
(B)	SSE/Pway	
(C)	SSE/Bridges	
(D)	SSE/Land	

Q.72	No Technical and Financial credentials are required for open tenders having advertised value (in Rs) up to.....	1.0 Mark
(A)	1 Crore	
(B)	2 Crore	
(C)	50 Lakh	
(D)	20 Lakh	

Q.73	The Stores Contract in which the contractor agrees to supply the specified materials at fixed unit rates, irrespective of quantity, within the specified period of time, is called	1.0 Mark
(A)	Running contract	
(B)	Rate Contract	
(C)	Lump sum Contracts	
(D)	Fixed Quantity Contract	

Q.74	Pressure Filter is a type of.....	1.0 Mark
(A)	Slow sand filter	
(B)	Rapid sand filter	
(C)	Percolating filter	
(D)	Trickling filter	

Q.75	Charged expenditure is sanctioned only by -----	1.0 Mark
(A)	Parliament	
(B)	Railway Board	
(C)	GM	
(D)	President	

Q.76	Normally, maximum how many days 'Medical Leave' can be granted to a Railway employee residing in an area covered by Railway Health Service, without producing the Medical Certificate from Railway Medical Officer ?	1.0 Mark
(A)	1	
(B)	2	
(C)	3	
(D)	4	

Q.77	Minimum distance of centre to centre between two tracks for other than station yards for a new Doubling Work shall be....mm	1.0 Mark
(A)	5300	
(B)	5000	
(C)	4300	
(D)	4365	

Q.78	The initial setting time for Ordinary Portland Cement (OPC) as per IS specifications should not be less than.....minutes	1.0 Mark
(A)	10	
(B)	30	
(C)	60	
(D)	50	

Q.79	As per IRWM, minimum retention period required for anaerobic digestion of sewage is.....days	1.0 Mark
(A)	30	
(B)	48	
(C)	7	
(D)	10	

Q.80	Material Modification in a work is generally related to.....	1.0 Mark
(A)	Modification in Material Purchase	
(B)	Modification in a Scheme/Project during the execution of a work	
(C)	Modification in Material Sale	
(D)	Modification in Calling of Tender	

Q.81	How many water closets shall be provided for male personnel in Railway Offices, as per IRWM?	1.0 Mark
(A)	1 in every 25	
(B)	1 in every 30	
(C)	1 in every 40	
(D)	1 in every 50	

Q.82	In a simply supported beam, the max bending moment occurs where	1.0 Mark
(A)	Deflection is Zero	
(B)	Shear force is maximum	
(C)	Shear force is minimum	
(D)	shear force is zero or changes its sign	

Q.83	As per GCC, the term “Earnest Money Deposit” has been renamed as....	1.0 Mark
(A)	Bid Security	
(B)	Security Deposit	
(C)	Caution Deposit	
(D)	Performance Guarantee	

Q.84	What is the minimum height of plinth of a building (in cm) from the surrounding ground, as per IRWM?	1.0 Mark
(A)	50	
(B)	45	
(C)	75	
(D)	100	

Q.85	When several contours lines coincide at one place, it indicates at that place	1.0 Mark
(A)	A vertical cliff	
(B)	Undulating ground	
(C)	Stagnant Water	
(D)	Flat ground	

Q.86	Variation beyond 150 % of the contract value requires the sanction of	1.0 Mark
(A)	DRM	
(B)	GM	
(C)	PHOD	
(D)	Tender Accepting Authority	

Q.87	The ends of the platforms should be provided with ramps at a slope not steeper than.....	1.0 Mark
(A)	1 in 20	
(B)	1 in 10	
(C)	1 in 15	
(D)	1 in 6	

Q.88	The station names shall be exhibited in the following order	1.0 Mark
(A)	Regional Language-Hindi-English	
(B)	Hindi-Regional Language-English	
(C)	English-Regional Language-Hindi	
(D)	Regional Language- English- Hindi	

Q.89	How will be the Rubber Stamps put to use in offices of Central Government?	1.0 Mark
(A)	Only in Hindi	
(B)	Only in English	
(C)	Hindi followed by English	
(D)	English followed by Hindi	

Q.90	How many members are there in the parliamentary Committee on Official Language?	1.0 Mark
(A)	30	
(B)	40	
(C)	50	
(D)	60	

Q.91	A Railway Employee can encash LAP uptodays at a time.	1.0 Mark
(A)	20	
(B)	15	
(C)	25	
(D)	10	

Q.92	Which of the following is not a method of Calling tenders?	1.0 Mark
(A)	Open tender system	
(B)	Limited tender system	
(C)	Quotation system	
(D)	Single tender system	

Q.93	At present how many languages are enlisted in the Eighth Schedule of the Constitution?	1.0 Mark
(A)	25	
(B)	18	
(C)	32	
(D)	22	

Q.94	The online platform of Govt. of India, on which the stores purchase of Indian Railway are dealt, for the items available on this platform, is named	1.0 Mark
(A)	GeM	
(B)	DGS&D	
(C)	IREPS	
(D)	IRPSM	

Q.95	What is the age relaxation for direct recruitment for SC/ST candidates?	1.0 Mark
(A)	3	
(B)	4	
(C)	5	
(D)	6	

Q.96	Demand No.16 is related to	1.0 Mark
(A)	Assets-Acquisitions, Construction and Replacements.	
(B)	Maintenance of Pway	
(C)	Maintenance of Motive Power	
(D)	Pension & Dividend	

Q.97	Level of Tender Committee is decided based on the value of	1.0 Mark
(A)	Tender	
(B)	Counter offer	
(C)	Lowest valid offer	
(D)	Highest offer	

Q.98	As per Stores Code, materials which are frequently and regularly required are known as.....	1.0 Mark
(A)	Surplus stores	
(B)	Special stores	
(C)	Stock items	
(D)	Non-stock items	

Q.99	The expenditure, incurred on replacement of an asset (Track, Bridges, Buildings, etc.,) is financed out of	1.0 Mark
(A)	DF	
(B)	DRF	
(C)	OLWR	
(D)	CF	

Q.100	Which of the following works does not pertain to Demand No.16	1.0 Mark
(A)	Zonal Contract work	
(B)	LAW	
(C)	Work under Newline project	
(D)	Divisional Works Programme	

Q.101	Frequency of stock verification for T & P stores is.....	1.0 Mark
(A)	Once in 6 months	
(B)	Once a year	
(C)	Once in 2 years	
(D)	Once in 3 years	

Q.102	Where water-borne sewage is not possible, the system of sewage disposal being adopted is	1.0 Mark
(A)	Sedimentation Tank	
(B)	Percolating filter	
(C)	Septic Tank	
(D)	Soak pit	

Q.103	Separation of coarse aggregates from mortar during transportation is known as.	1.0 Mark
(A)	Bleeding	
(B)	Creeping	
(C)	Segregation	
(D)	Shrinkage	

Q.104	The degree of curvature is defined as the angle at the centre subtended by an arc of.....metres in length.	1.0 Mark
(A)	10.5	
(B)	20.5	
(C)	30.5	
(D)	40.5	

Q.105	Which Category of encroachments by outsiders requires Action under PPE Act for removal?	1.0 Mark
(A)	A	
(B)	B	
(C)	C	
(D)	D	

Q.106	Who is the Chairman of Colony Committee, as per IRWM?	1.0 Mark
(A)	Sr. DEN/ Co-ord	
(B)	Sr. DPO	
(C)	ADEN	
(D)	ADMO	

Q.107	Generally, the shape of a transition curve, as adopted in Railways, shall be of... ..	1.0 Mark
(A)	Cubic parabola	
(B)	Ellipse	
(C)	Parabola	
(D)	Hyperbola	

Q.108	When is National Hindi Day Celebrated?	1.0 Mark
(A)	46279	
(B)	46032	
(C)	46350	
(D)	46270	

Q.109	In water treatment, aeration of water is effective in removal of	1.0 Mark
(A)	Heavy metals	
(B)	Viruses	
(C)	Bacteria	
(D)	Dissolved gases	

Q.110	As per Official Language Act 1963, Kerala belongs to.....Region	1.0 Mark
(A)	A	
(B)	B	
(C)	C	
(D)	D	