

RSMSSB JE Civil 2020

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Questions with Answer Key

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RSMSSB JE Civil Diploma Subject Weightage Analysis

Serial No.	Subject	Total No. of Questions	Difficulty level
1	Building Technology(BMC)	10	Easy
2	Construction Management	2	Easy
3	Surveying, Estimation and Costing	13	Easy
4	Strength of Materials	12	Easy
5	Reinforced Concrete Design	8	Easy
6	Irrigation & water resources	15	Easy
7	Soil Engineering	15	Easy
8	Auto CAD Civil Engineering Drawing	5	Easy
9	History	8	Easy
10	Art and Culture, Traditions and Heritage	20	Easy
11	Geography	12	Easy

RSMSSB JE Civil Diploma

Questions

- The North to South length of Rajasthan state is-
A. 650 km
B. 550 km
C. 826 km
D. 869 km
- 'Kagdi Pickup' gets water from-
A. Jakham dam
B. Jawai dam
C. Gandhi Sagar dam
D. Mahi Bajaj Sagar dam
- What is 'Congress Grass'?
A. A useful grass
B. A project
C. A weed
D. A fruit
- Which one of the following pairs is not correctly matched?

Soil Type	Area
A. Inceptisols	Semi Humid/Sub Humid
B. Vertisols	Arid
C. Aridisols	Semi Arid
D. Alfisols	Humid
- In Rajasthan, maximum administrative forest areas fall under which of the following categories?
A. Protected
B. Restricted
C. Unclassified
D. Reserve
- Which Raso relates origin of Rajputs with "Agni-Kund" (Fire-pit)?
A. Bisaldev Raso
B. Khuman Raso
C. Prithviraj Raso
D. Hammir Raso
- The fort that has a trench on all its sides is known as _____ fort.
A. Paridhi
B. Dhanwan
C. Eran
D. Parikh
- Which work was composed by Jayank?
A. Hamir Raso
B. Hamir Hath
C. Prithviraj Vijay
D. Prithviraj Raso
- The Battle of Khanwa was fought in_____.
A. 1527 A.D.
B. 1572 A.D.
C. 1526 A.D.
D. 1556 A.D.

10. Which fort is called as 'Chilah ka Teela'?
A. Jaigarh
B. Mehrangarh
C. Nahargarh
D. Kumbhalgarh
11. Panna Dhari saved whose life?
A. Rana Pratap
B. Rana Udai Singh
C. Rana Sanga
D. Raval Ratan Singh
12. In which one of the following places in Rajasthan are 'Flying Squirrels' found ?
A. Sitamata Wildlife Sanctuary
B. Sariska Tiger Reserve
C. Mukundra Hills National Park
D. Ranthambore National Park
13. 'Rajasthan Forestry and Biodiversity Project' is sponsored by-
A. World Trade Organization
B. Japanese International Co-operation Agency
C. Asian Development Bank
D. World Bank
14. In Rajasthan 'Wasteland Development Programme' is implemented by -
A. Irrigation Department
B. Rural Development and Panchayatiraj Department
C. Forest Department
D. Agriculture Department
15. Which district is not included in 'Humid South - Eastern Plain' Agro-Climate region of Rajasthan?
A. Udaipur
B. Baran
C. Bundi
D. Kota
16. The northern gates of which fort, made of Astadhatu (eight metals) was brought from Red Fort in 1765?
A. Bhatner
B. Taragarh
C. Ranthambore
D. Lohagarh
17. For mastery in which folk instrument was Sakar Khan honoured with 'Padma Shree' in 2012 ?
A. Morchang
B. Khartal
C. Kamayacha
D. Sarangi
18. In which district the temple of Dhaulagarh Devi is situated?
A. Bundi
B. Alwar
C. Karauli
D. Bharatpur
19. Which of the following fort is also known as Garh Beetli?
A. Mehrangarh Fort, Jodhpur
B. Taragarh Fort of Ajmer
C. Taragarh Fort of Bundi
D. Gagron Fort
20. Which one of the following Sheep Breed is known as 'Chakari' ?
A. Sonadi
B. Chokla
C. Magra
D. Nali
21. In which hydroelectricity project, the Govt, of Rajasthan has not entered into the partnership with neighbouring states?
A. Chambal
B. Banas
C. Bhakra Nagal
D. Mahie

22. 'Som-Kamla-Amba' irrigation project is situated in-
- A. Dungarpur
B. Banswara
C. Sirohi
D. Kota
23. Which one of the following lakes of Rajasthan is not covered under 'National Lake Conservation Programme'?
- A. Kolayat
B. Pichhola
C. Anasagar
D. Fatehsagar
24. When was Kishangarh (Ajmer) Airport inaugurated?
- A. October, 2018
B. October, 2019
C. October, 2015
D. October, 2017
25. Which fair is famous as 'Bullock Cart fair'?
- A. Shitlamata fairt
B. Both Kailadevii fair and Karnimata fair
C. Kailadevi fair
D. Karnimata fair
26. What is the main feature of Jhalrapatan Suray Temple?
- A. Saptarath
B. Ashtashal
C. Adirath
D. Ashtabhadra
27. Ghatiyala Prakrit Inscription is related to which ruler?
- A. Pratihar Vatsraj
B. Pratihar Nagbhatta
C. Pratihar Kakkuka
D. Pratihar Dadd
28. Which one of the following texts gives information about the establishment of Jaipur and building plant of the city?
- A. Vansh Bhaskar
B. Buddhivilas
C. Hammir Raso
D. Rajvinod
29. Which of the following is the source of Information of Land grant by the 'Hadi Rani Karmavati' at the time of her 'Jauhar'?
- A. Ranakpur Eulogy inscription
B. Inscription of Cheerva
C. The copper plate inscription of PUR
D. The copper plate inscription of Choukli
30. Which of the following pair is not a correct match?
- | Mineral | Mining Area |
|------------------|--------------------|
| A. Lead and Zink | Zawar - Megra |
| B. Tungsten | Palana - Mangla |
| C. Copper | Khetari - Singhana |
| D. Iron Ore | Moriya - Banol |
31. Bhim Sagar is located at -
- A. Kota
B. Jhalawar
C. Shri Ganganagar
D. Alwar

32. Which of the following district of Rajasthan, reserve area 'Bajju' is situated?
A. Baran
B. Barmer
C. Bharatpur
D. Bikaner
33. 'Rajasthan State Road Transport Corporation' was established in which year?
A. 1966
B. 1968
C. 1962
D. 1964
34. Which of the following Wildlife Sanctuary is situated in Karauli District?
A. Van Vihar
B. Kesarbagh
C. Keoladeo
D. Kailadevi
35. Mangla and Shahgadh are mining fields of which of the following mineral?
A. Oil and Gas
B. Uranium
C. Lignite Coal
D. Gold
36. Where Saint Ramcharan, the founder of the Ramsnehi Cult was born?
A. Naglu Bharatpur
B. Mukam Bikaner
C. Soda-Diggi
D. Sahapura Bhilwara
37. In which city was Bikaner Lok Parishad established in 1936?
A. Madras
B. Delhi
C. Bombay
D. Calcutta
38. When was the first battle fought between Jalore King Kanhadev and Sultan Alauddin?
A. 1296
B. 1300
C. 1298
D. 1299
39. Where is Dhoolkot situated?
A. Bairath
B. Ahar
C. Kalibanga
D. Balathal
40. Which of the following Sanskaras are related to birth?
A. Mosar
B. Jadula
C. Samela
D. Baan
41. Plywood is identified by-
A. Thickness
B. Area
C. Volume
D. Weight
42. The moisture content of timber used in building frames should be-
A. 13 to 20%
B. 20 to 27%
C. 0 to 6%
D. 7 to 10%
43. What will be the approximate estimate for a building having a total carpet area 300 sq.m.? Extra provision as 10% of area is provided for wall and varandah, the plinth area rate is Rs. 1,000/- per sq. m.
A. 4,00,000
B. 6,60,000
C. 3,00,000
D. 3,30,000

55. To obtain parallel lines, concentric circles and parallel curves; _____ is used in AutoCAD.
- A. Copy
B. Offset
C. Array
D. Fillet
56. Which key is used to obtain properties palette in Autocad?
- A. Control + 3
B. Control + 4
C. Control + 1
D. Control + 2
57. 2-Points option is used to draw circles by specifying the-
- A. Radius and tangent to two objects
B. Centre and two end points of a chord
C. Two end points of a diameter
D. Two End points of a radius
58. Which command allows you to make the rectangle or square in AutoCAD?
- A. R
B. RS
C. RE
D. REC
59. Which one of the following is a Auto cad drawing file?
- A. draw.file
B. file.tnt
C. dwg.plane
D. plan.dwg
60. Find the hydraulic mean radius of a channel, having mean velocity of 2m/sec., if the silt factor is 1.0 and channel is designed by Lacey's theory-
- A. 30 m
B. 40 m
C. 10 m
D. 20 m
61. Which of the following is not a cash crop?
- A. Rice
B. Sugarcane
C. Jute
D. Tobacco
62. The relation between duty D in hectares cumece, depth 'B' in days is given by-
- A. $\Delta = 5.68B/D$
B. $\Delta = 8.64D/B$
C. $\Delta = 1.95B/D$
D. $\Delta = 8.64B/D$
63. According to Kennedy's theory, the silt transporting power of a canal proportional to-
- A. $v^{2.5}$
B. $v^{4.5}$
C. $v^{3.4}$
D. v^2
64. A method of irrigation by which each three is surrounded by a border to form a pool when water is applied, is called.
- A. Spot irrigaion
B. Basin irrigaion
C. Broad irrigation
D. Distributed irrigation
65. Water logging may results from-
- A. Evaporation
B. Adequate drainage
C. Over irrigation
D. Less rain
66. The terms "True Regime" "Final Regime" are used which of the following theories?
- A. Lacey's theory
B. Lincon's theory
C. Chezy's theory
D. Kennedy's theory

67. Quick sand is a
- A. Flow condition occurring in cohesive soils
 - B. Flow condition occurring in cohesionless soil
 - C. Type of sand
 - D. Cohesionless soil
68. The basic principle of survey "working from whole to part" is related to
- A. localising minor errors
 - B. minor errors will be magnified and uncontrolled
 - C. making plotting easier
 - D. making plotting center to boundary
69. In a Theodolite, the line passing through the intersection of the horizontal and vertical cross hairs and the optical centre of the object glass and its continuation, is known as
- A. Line of sight
 - B. Bench mark
 - C. Horizontal axis
 - D. Vertical axis
70. Quantities for wood work are computed generally in terms of-
- A. Area in square meter
 - B. Volume in cubic meter
 - C. Numbers
 - D. Numbers and length, width
71. If the fore bearing of a line is observed to be $AB120^\circ$, the back bearing of line AB should be-
- A. $167036'$
 - B. $192024'$
 - C. $102024'$
 - D. $77036'$
72. The effect of curvature of earth is neglected in case the area to be surveyed is less than-
- A. 560 sq. km
 - B. 260 sq. km
 - C. 1000 sq. km
 - D. 800 sq. km
73. Contour of different elevations may cross each other, only in case of-
- A. A hill
 - B. An inclined lane
 - C. A pond
 - D. An over hanging cliff
74. The length of a Gunter's chain is-
- A. 66 feet
 - B. 88 feet
 - C. 200 metres
 - D. 66 metres
75. If line of action of the resultant forces on the dam lies outside the middle third of the base, then the dam is susceptible to-
- A. Sliding failure
 - B. Over turning failure
 - C. Crushing failure
 - D. Tension failure
76. As per the IS recommendation, the shape of lined canal is-
- A. Parabolic
 - B. Elliptic
 - C. Trapezoidal
 - D. Semicircular

110. The preparation of surface of stone to obtain plain edges or to obtain stones of required size and shape is known as-
- A. Seasoning of stones
B. Dressing of stones
C. Quarrying of stones
D. Blasing of stones
111. The two main compounds of portland cement are-
- A. Tricalcium aluminate and silicate
B. Tricalcium silicate and tricalcium aluminate
C. Tricalcium silicate and dicalcium silicate
D. Dicalcium silicate and aluminate
112. Bitumen is obtained from-
- A. Petroleum
B. Coal
C. Natural organic base
D. Synthetic
113. In singly reinforced beam, subjected to shear force F , if d is the depth and b is the width of the section, then maximum shear stress is-
- A. $F / b^2 \times d$
B. $F^2 / b \times d$
C. $F / b \times d$
D. $F / b \times d^2$
114. Minimum cover to the main bars in R.C.C. column should be-
- A. 20 mm or diameter of the bar
B. 40 mm or diameter of the bar
C. 15 mm or diameter of the bar
D. 25 mm or diameter of the bar
115. For reinforced brick work the modular ratio is generally taken as-
- A. 18
B. 40
C. 10
D. 15
116. In a two way slab the lifting of corners occurs due to-
- A. Zero moment at the centre
B. Torsional moments on the slab
C. Heavy shear load at mid span
D. Resultant shear force at the ends
117. Expansion joints are provided if the length of concrete structure exceeds -
- A. 35 m
B. 45 m
C. 10 m
D. 15 m
118. For cantilever beam and slabs, the basic value of span to effective depth ratio is-
- A. 20
B. 26
C. 7
D. 10
119. The minimum number of main steel bars in R.C.C. circular column must be-
- A. 6
B. 8
C. 3
D. 4
120. Deflections can be controlled by using the appropriate-
- A. Span / depth ratio
B. Water cement ratio
C. Aspect ratio
D. Modular ratio

Answer Key											
Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	C	21	B	41	A	61	C	81	C	101	C
2	D	22	A	42	D	62	D	82	D	102	A
3	C	23	A	43	D	63	A	83	D	103	A
4	*	24	D	44	C	64	B	84	C	104	D
5	A	25	A	45	C	65	C	85	C	105	A
6	C	26	A	46	D	66	A	86	C	106	A
7	D	27	C	47	B	67	B	87	D	107	C
8	A	28	*	48	C	68	A	88	C	108	C
9	A	29	*	49	B	69	A	89	D	109	A
10	A	30	B	50	B	70	B	90	B	110	B
11	B	31	B	51	A	71	B	91	B	111	C
12	A	32	D	52	D	72	B	92	A	112	A
13	B	33	D	53	C	73	D	93	B	113	C
14	*	34	D	54	C	74	A	94	B	114	B
15	A	35	A	55	B	75	D	95	C	115	B
16	D	36	C	56	C	76	D	96	A	116	B
17	C	37	*	57	D	77	A	97	C	117	B
18	B	38	D	58	D	78	B	98	B	118	C
19	B	39	B	59	D	79	C	99	A	119	A
20	B	40	B	60	C	80	A	100	D	120	A

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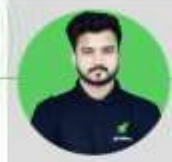
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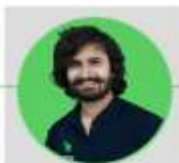
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