

STATE BANK OF INDIA

CENTRAL RECRUITMENT & PROMOTION DEPARTMENT CORPORATE CENTRE, MUMBAI

"ACQUAINT YOURSELF BOOKLET" FOR RECRUITMENT TESTS

Sr. No.	Post
1	Developer (JMGS-I)
2	Developer (MMGS-II)
3	System / Server Administrator (JMGS-I)
4	Database Administrator (JMGS-I)
5	Cloud Administrator (JMGS-I)
6	Network Engineer (JMGS-I)
7	Tester(JMGS-I)
8	WAS Administrator (MMGS-II)
9	Infrastructure Engineer (MMGS-II)
10	UX Designer (MMGS-II)
11	IT Risk Manager (MMGS-II)
12	IT Security Expert (MMGS-III)
13	Project Manager(MMGS-III)
14	Application Architect(MMGS-III)
15	Technical Lead (MMGS-III)
16	Infrastructure Architect (MMGS-III)
17	Infrastructure Engineer (JMGS-I)
18	IT Security Expert (JMGS-I)
19	IT Security Expert (MMGS-II)
20	IT Risk Manager (IS Dept.) (MMGS-II)
21	Infrastructure Architect (MMGS-II)
22	Deputy Manager (Cyber Security - Ethical Hacking) (MMGS-II)
23	Deputy Manager (Cyber Security - Threat Hunting) (MMGS-II)
24	Deputy Manager (Cyber Security - Digital Forensic) (MMGS-II)

I. INTRODUCTION

This Booklet gives you detailed information about the objective type competitive examination for recruitment to Specialist Cadre Officers' in State Bank of India. These posts were advertised in the Employment News/Rozgar Samachar issue dated 21.09.2019 and on the Bank's website https://www.sbi.co.in/careers and https://bank.sbi/careers. The terms and conditions, emoluments etc. were given in the advertisement No. CRPD/SCO-SYSTEM/2019-20/11. You should ensure that you are eligible for the post applied for in respect of age, educational qualification, nationality, experience as stipulated in the advertisement.

This handout contains details pertaining to various aspects of the online examination you are going to take and describes the kind of test which will be given to you in the examination. **The assessment will be done online hence you should carefully read instructions regarding the method of marking answers.** You are advised to study this booklet carefully as it will help you in preparing for the examination.

II. GENERAL INSTRUCTIONS

- 1. **Particulars to be Noted**: Please note carefully your Roll Number, Registration Number, date, time and venue for the examination given in the call letter.
- 2. Punctuality in Attendance: Candidates should be present at the examination hall at the time given in the call letter. Candidates arriving after 30 minutes late of the reporting time not be permitted to enter the Examination Hall.
- 3. Call letter to be Surrendered: Affix firmly a copy of your recent passport size photograph in the space provided for it in the call letter and bring it with you alongwith photo identity proof in original and a photocopy when you come to the venue for the examination. You will not be permitted to appear for the examination if you come without the photo identity proof in original and a photocopy, call letter or without the photograph affixed on the call letter. You will be required to sign in the space provided for candidate's signature on your call letter in the presence of the invigilator in the examination hall. Invigilator will take your thumb impression on the call letter while collecting the same. You should hand over your call letter alongwith the photocopy of photo identity proof to the invigilator in the examination hall, when he collects the call letters from the candidates.
- 4. Compliance with Instructions: You should scrupulously follow the instructions given by test administrators and the invigilators at all the stages of the examination for which you have been called. If you violate the instructions you will be disqualified and may also be asked to leave the examination hall.
- **5. Use of Books, Notes, Calculators & Cell Phones : No** calculator separate or with watch, cell phones, books, slide rulers, note books or written notes will be allowed inside the examination hall.
- 6. Do not leave your seat unless you are allowed.
- 7. Use of Stationery: You must bring stationery such as pencils, ball point pen with you.
- 8. Rough work to be done on the sheet provided: You should do all the necessary rough work on sheet provided only. After the test is over, you should hand over the sheet, given for rough work to the invigilator before leaving the room. Any candidate who does not return or is found to attempt to take or pass on the questions or answers inside or outside the examination hall will be disqualified and the Bank may take further action against him as per rules of the Bank.
- 9. There will be Penalty for wrong answers marked by you in the objective tests. There are five alternative answers to every question of all the tests. For each question for which a wrong answer has been given by you, one-fourth or 0.25 of the marks assigned to that question will be deducted as penalty. If a question is left blank, i.e. no answer is given by you, there will be no penalty for that question. If the total of the penalty for test is in fraction, it will be rounded off to the nearest integer. You should therefore be careful in marking your answers.

- 10. Copying / Misconduct / Unfair Practices: If a candidate is/has been found guilty of
 - i) Copying or allowing copying;
 - ii) Using unfair means during the test;
 - iii) Impersonating or procuring impersonation by any person;
 - iv) Misbehaving at the examination venue;
 - v) Disclosing, publishing reproducing, transmitting, storing or facilitating transmission and storage of test contents in any form or any information therein in whole or part thereof or by any means verbal or written, electronic or mechanical or taking away the papers supplied in the examination hall or found to be in unauthoirsed possession of test content.
 - vi) Resorting to any other irregular or improper means;
 - vii) Obtaining support of his/her candidature by any means.
 - He/she will, in addition to rendering himself/herself liable to criminal prosecution, be liable to,
 - (a) Disqualification from selection process.
 - (b) Be debarred permanently/for specific period from any examination or selection by the Bank.
 - Candidates are warned against filling up/furnishing false, tampered/fabricated information or suppressing material information.
- 11. Travelling Allowance shall not be paid: No travelling allowance or other expenses in connection with the examination will be paid. Please also note that the call letter does not constitute an offer of employment by the State Bank of India.
- 12. The possibility for occurrences of some problem in the administration of the examination cannot be ruled out completely which may impact test delivery and/or result from being generated. In that event, every effort will be made to rectify such problem, which may include movement of the candidates from one venue/lab/computer (node) to others and reconduct of the examination if considered necessary.

In Examination:

Biometric data (Right thumb impression) and photograph will be captured twice at the examination venue i.e. before the start of exam and after completion of exam. Decision of the Biometric data verification authority with regard to its status (matched or mismatched) shall be final and binding upon the candidates. **Refusal to participate in the process of biometric data capturing / verification on any occasion may lead to cancellation of candidature.** With regards to the same, please note the following:

- (a) If fingers are coated (stamped ink/mehndi/coloured...etc), ensure to thoroughly wash them so that coating is completely removed before the exam day.
- (b) If fingers are dirty or dusty, ensure to wash them and dry them before the finger print (biometric) is captured.
- (c) Ensure fingers of both hands are dry. If fingers are moist, wipe each finger to dry them.
- (d) If the primary finger (Right thumb) to be captured is injured/damaged, immediately notify the concerned authority in the test centre.

(Any failure to observe these points will result in non-admittance for the examination)

III. STRUCTURE OF ONLINE EXAMINATION

The details of tests, number of questions, time given to solve the questions, etc. are given below.

Sr. No.	Те	No. of Questions	Maximum Marks	Duration	
1		Test of Reasoning	50	50*	
2	General Aptitude*	Quantitative Aptitude	35	35*	90 minutes
3		English Language	35	35*	
4	Professional Knowledge	General IT Knowledge	25	50	70 minutes
	(PK) Role based Knowledge		50	100	

^{*} Qualifying in nature and marks theron will not be reckoned for arriving at the merit list.

Test of Professional Knowledge will be different for each level and post.

Passing Marks

Except Professional Knowledge test, other papers will be qualifying in nature. Candidates have to score minimum qualifying marks in these papers. The minimum qualifying marks will be decided or may be waived at the discretion of the Bank. To be eligible for being short-listed for interview, candidates have to score equal to or above the Cut-off marks to be decided by the Bank for the Professional Knowledge test, besides scoring equal to or above the Minimum qualifying marks in other tests.

Sample Questions

Below are given some sample questions for each of these tests. The type of questions are only illustrative and not exhaustive. In actual test you may find questions on some or all these types and also questions on the type not mentioned here.

TEST OF REASONING

This is a test to see how well you can think. It contains questions of various kinds. Here are some sample questions.

Directions: In each of the following questions, there are five letter groups or words in each question. Four of these letter groups or words are alike in some way, while one is different. Find the one which is different.

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Q.1.	(1) black	(2) red	(3) green	(4) paint	(5) yellow	
	Of the five, 'black, 'red', 'green' and 'yellow' form a group as they are names of colours. 'Paint' is not the name of a colour. Therefore, (4) is the answer.					
Now try	to solve the following que	estions.				
Q.2.	(1) BC	(2) MN	(3) PQ	(4) XZ	(5) ST	
Q.3.	(1) Mango	(2) Apple	(3) Orange	(4) Guava	(5) Rose	
under t	ons: In each of the follow he question satisfies t iven in the question. Fin	he same relations	hip as is found be			
Q.4.	Foot : man : : hoof (1) leg	: ? (2) dog	(3) horse	(4) boy	(5) shoe	
	oove example, 'hoof' has e', which is answer numb		ip with which one of t	he five as 'foot'; has	to 'man'? The answer	
Now try	to solve the following que	estions.				
Q.5.	Day: Night:: Kind (1) Dark	: ? (2) Bright	(3) Cruel	(4) Generous	(5) Gratitude	
Q.6.	Hut: mansion:: Ra (1) Hole	bbit : ? (2) Carrot	(3) Elephant	(4) Small	(5) Rat	
	Now try the following qu	estions.				
Q.7.	If the letters in the word TOPS can be rearranged to form a meaningful word beginning with O, the last letter of that word is your answer. If more than one such word can be formed, M is the answer and if no such word can be formed, X is the answer.					
	(1) T	(2) P	(3) M	(4) S	(5) X	
Q.8.	'Some leaders are dishonest. Satyapriya is a leader.' Which of the following inferences definitely follows from these statements? (1) Satyapriya is honest (2) Satyapriya is dishonest (3) Some leaders are honest (4) Leaders are generally dishonest (5) Satyapriya is sometimes dishonest				•	

QUANTITATIVE APTITUDE

This test is designed to measure how fast and accurate you are dealing with numbers, viz. computation, quantitative reasoning, interpretation of tables and graphs.

Directions: In each of the following questions, you have to find out what will come in place of the question mark (?).

- **Q.1.** 42 + 73 + 137 = ?
 - (1) 352
- (2) 252
- (3) 242
- (4) 142
- (5) Other than those given as options

- **Q.2**. $20 \times \frac{1}{2} = ?$
 - (1) 4
- (2) 5
- (3) 12
- (4) 20
- (5) Other than those given as options

- **Q.3.** $0.7 \times 0.5 = ?$
 - (1)35
- (2) 0.35
- (3) 0.0035
- (4) 0.035
- (5) Other than those given as options

In Q.1, 252 is the correct answer. So your answer would be (2). The correct answer for Q.2 is 10. But neither (1), nor (2), nor (3), nor (4) shows this answer. Therefore your answer is (5).

Some of the questions may require arithmetical reasoning. For example:

- Q.4. At 10 rupees each, how many rupees will 6 lemons cost?
 - (1) 6
- (2) 10
- (3) 60
- (4) 61
- (5)610

- Q.5. Which of the following can be exact multiple of 4?
 - (1) 27114
- (2) 58204
- (3) 48402
- (4) 32286
- (5) Other than those given as options
- Q.6. If the profit made by selling a pen for Rs.10 is as much as its cost, what is the cost price of the pen?
 - (1) Rs.3/-
- (2) Rs.5/-
- (3) Rs.10/-
- (4) Rs.20/-
- (5) Other than those given as options

Also, there may be some questions based on graphs and tables.

Q.7-9.Directions: Given below is a table showing percentages out of a total of 700 employees ranking six attributes that help promotion. Rank 1 is the highest. Study the table carefully and answer the questions that follow:

Attribute	Percent of Employees Giving Different Ranks					
	1	II	III	IV	V	VI
Seniority	32	17	22	19	5	5
Perseverance	14	19	17	9	27	14
Efficiency	15	19	21	14	14	17
Intelligence	10	14	10	14	17	35
Honesty	24	17	7	9	27	16
Sociability	5	14	23	35	10	13

- Q.7. Which attribute for promotion has received the highest rank?
 - (1) Perseverance
- (2) Seniority
- (3) Honesty
- (4) Sociability
- (5) Efficiency

Notice the percentage for rank I given in the table. You observe that seniority is the attribute with the highest percentage. So your answer is "Seniority", which is answer No. (2)

- **Q.8.** How many employees gave rank III to intelligence?
 - (1) 119
- (2)98
- (3) 77
- (4) 70
- (5) 10

Look at the intersection of the column giving percentage for rank III and the row giving percentage for intelligence. You find that 10 percent of the 700 employees have given rank III to this attribute. 10% of 700 is 70. So your answer should be (4).

Q.9.	Which attribute is cons (1) Honesty	idered the least impo (2) Intelligence	ortant for promotion (3) Perseverance	? (4) Efficiency	(5) Sociability
	g to the percentage for V ords, a majority of people				
		ENGLIS	H LANGUAGE		
gramma	a test to see how well yo ar, vocabulary, sentence the sample questions g	e completion, synon			
Direction	ons: Pick out the most agfully.	appropriate word from	m amongst the word	s given below each	sentence to complete it
Q.1.	He quickly glanced (1) at	the	e book to find what i (3) in	t said about the Ind (4) to	ian economy. (5) over
The cor	rect answer is "through"	which is answer No.	2.		
Q.2.	The counsel urged the (1) enact	court to(2) enforce	down the obr	noxious law. (4) strike	(5) declare
Q.3.	The local official(1) explained	the Min (2) warned	ister of the situation (3) apprised	(4) told	(5) intimated
	ons: Read each sentend he sentence. The numb				
Q.4.	I am twenty / two yea (1) (2)	rs old / when I first (3)	/ joined the bank. (4)		No error (5)
The erro	or is in (1). Therefore the	e answer is '1'.			
Q.5.	To the Hindus / the G (1)	=	n / any other river. (4)		No error (5)
In this q	uestion, there is no erro	or; therefore the right	answer to this ques	tion is '5'.	
Q.6.	Of all the teachers / in (1)	n our school / our c	lass teacher / were (3)	e very strict. (4)	No error (5)
Directions : In each of the following questions, select from amongst the five alternatives, the word nearest in meaning to the word given in capitals.					
Q.7.	LETHAL (1) light	(2) dangerous	(3) deadly	(4) cruel	(5) thoughtless
Q.8.	CENTENARY (1) a guard (2) a hu	ndred years (3) a	very old man (4) ł	nundred runs (5) h	undredth anniversary
Q.9.	TRIUMPH (1) conquer	(2) smash	(3) earn	(4) brave	(5) capture

meanin	g of the word given in ca	pitals.			
Q.10.	LIVELY (1) simple	(2) weak	(3) dull	(4) angry	(5) moron
Q.11.	INADVERTENT (1) adequate	(2) available	(3) sluggish	(4) negligent	(5) intentional
Q.12.	INEPT (1) accurate	(2) skilful	(3) sensible	(4) artistic	(5) apt
In additi	ion, there will be questic	ons based on passag	e, to test your compr	ehension.	
		PROFESSIO	NAL KNOWL	EDGE	
		DEVEL	OPER (SCALE I)		
Q.1.	property is (1) browser		er vendor and version (3) navigator	information. (4) modal	(5) version
		DEVEL	OPER (SCALE II)		
Q.1.	In which file database to (1) .dbm			(4) .sql	(5) .hib
	s	YSTEM/SERVER	ADMINISTRATOR	(SCALE I)	
Q.1.	What is a storage unit t (1) Tape Array			(4) Disk box	(5) Tape box
		DATABASE AD	MINISTRATOR (S	CALE I)	
Q.1.			tes, and relationships (3) Relational	s. (4) Hierarchical	(5) Network
		CLOUD ADMI	NISTRATOR (SC	ALE I)	
Q.1.	Which of the following of (1) Polymorphism	·	. •	aring of resources? (4) Visualization	(5) Collectivism
		NETWORK E	NGINEER (SCAL	E - I)	
Q.1.	Hop count is used in what (1) RIP (4) MPLS	(2) OSPI	F of those given as opt	(3) BGF	
		TEST	TER (SCALE I)		
Q.1.	The activity "User Acce (i) Analysis and design. (ii) Initiation. (iii) Development. (iv) Maintenance. (v) Implementation. (1) (i), (ii)			hase of systems dev (4) (i), (iv)	velopment?

Directions: In each of the following questions, select from amongst the five alternatives, the word most opposite in

WAS ADMINISTRATOR (SCALE II)

Q.1.	performs massive volumes of transaction processing with extreme efficiency and linear scalability (1) WebSphere eXtreme Scale (2) WebSphere Business Modeler scale (only) (3) WebSphere Business vision (only) (4) Both WebSphere Business Modeler scale and WebSphere Business vision (5) None of those given as options				
		INFRASTE	RUCTURE ENGINE	ER (SCALE II)	
Q.1.	Which attack is r (1) IP spoofing (4) TCP sequence		r TCP/IP implementati (2) password guess (5) None of those gi	ing (3) netw	ork PING sweeps
		U	X DESIGNER (SCA	ALE II)	
Q.1.	(1) Opening mulliater stage(2) Rapid, freque(3) A single interbeing "pulled(4) Repeatedly I	Itiple tabs in rapid-fi ent switching among ntional interaction fo I" deeper into the di	re succession to save g different windows or t llowed by a series of u	inplanned interactions t	es and revisit them at a
		IT F	RISK MANAGER (S	CALE II)	
Q.1.	I. PDCA describ II. The structure III. P stands for '	of the ISO/IEC 270	ics of information to be 01 standard is based, for "Check" and A for	at least in parts, on the "Act"	ext of information security PDCA approach (5) I, II and III
		IT SE	CURITY EXPERT (SCALE III)	
Q.1.	Which layer is no (1) Session and (4) Session and		odel 2) Transport and sess 5) Presentation and Ap		application and Transport
		PROJ	ECT MANAGER (SCALE III)	
Q.1.	I. XP II. 4GT III. AUP	owing is NOT an agi			
	(1) Only I	(2) Only II	(3) Only III	(4) Only I and II	(5) Only I and III
		APPLICA	ATION ARCHITECT	(SCALE III)	
Q.1.	OLAP architectu (1) ROLAP	ure implementation (2) DOLAP	pased on multi-dimens (3) HOLAP	sional DBMS is (4) MOLAP	(5) AOLAP
		TEC	CHNICAL LEAD (SC	CALE III)	
Q.1.	How many phase	es are there in Scru (2) Two	m ?	(4) Four	(5) Five

INFRASTRUCTURE ARCHITECT (SCALE III)

Q.1.	Digital identities for logging onto SaaS solutions s (1) A third-party identity provider (ONLY) (3) The SaaS provider (ONLY) (5) Both the SaaS provider and user		organization (ONLY)
	INFRASTRUCTURE I	ENGINEER (SCAL	E I)
Q.1.	What is the FIRST and most important step in syst (1) back up the system data (2) gather information about the problem (3) try rebooting the system to see if that fixes th (4) check the System Error Log or Event Log (5) None of those given as options		?
	IT SECURITY EX	(PERT (SCALE I)	
Q.1.	In network security, the term LDAP stands for— (1) Lightweight Data Access Protocol (3) Lightweight Domain access protocol (5) Local Disk Access protocol		Directory Access Protocol ata Access protocol
	IT SECURITY EX	(PERT (SCALE II)	
Q.1.	What is the role of internet key exchange (IKE) w (1) Enforcing quality of service (3) Data encryption (5) Peer authentication and key exchange	ithin the IPsec protoco (2) Data signatu (4) Data decrypt	re
	IT RISK MANAGER	(IS DEPT) (SCALE	II)
Q.1.	A message that has been encrypted by the sende achieves	er's private key and ag	ain by the receiver's public key
	(1) confidentiality and nonrepudiation(3) confidentiality and integrity(5) authentication and nonrepudiation	(2) authentication and (4) confidentiality and	
	INFRASTRUCTURE A	RCHITECT (SCAL	E II)
Q.1.	Which is used in a UNIX environment to mount a (1) NFS (2) UFS (3) CIFS	remote file system ? (4) VXFS	(5) None of those given as options
	CYBER SECURITY ETHIC	CAL HACKING (SC	CALE II)
Q.1.	 What are hybrid attacks? (1) An attempt to crack passwords using words the control of the con	characters of a dictional ination of characters, characters with numbe	ary word with numbers and numbers, and symbols.

CYBER SECURITY THREAT HUNTING (SCALE II)

Q.1. ____ includes the identification and the design of the exploits used for the illegal operations, such as cyber espionage or sabotage.
(1) Infrastructure-as-a-service
(2) attacks-as-a-service
(3) fraud-as-a-Service
(4) Crimeware-as-a-service
(5) Platform-as -a-service.

CYBER SECURITY DIGITAL FORENSIC (SCALE II)

Q.1. Which of the following is not a stage under Electronic Discovery Reference Model (EDRM)?

(1) Identification (2) Morphing (3) Preservation (4) Collection (5) Review

DETAILS ABOUT ON-LINE TEST PATTERN

- 1. A **login screen** will be displayed to the candidate. The candidate has to log in using his/her User ID and Password which is provided on the Call Letter.
- 2. After logging in Candidate's profile (Name, Roll No. & photograph etc.) will be displayed and the candidate has to confirm the same by clicked on the 'I confirm' button confirming the profile is correct.
- 3. Thereafter the instructions will be displayed on the screen.
- 4. A candidate should read the instructions carefully and indicate that he has done so by 'checking' (click) the box at the bottom of the screen, after which the 'I am ready to begin' button is activated.
- 5. After clicking on the 'I am ready to begin' button the actual **test time** will begin.
- 6. The questions except those on English Language will be available in Hindi and in English. In order to view a given question in the other language, a candidate can click on the 'view in' drop down box and select the desired language.
- 7. Only one question will be displayed at a time.
- 8. In order to answer a question, the candidate has to 'mouse click' the option he/she thinks is appropriate/ correct.

 The alternative which has been clicked on will be highlighted and shall be treated as the answer given by the candidate for the question.
- 9. After selecting an answer for a question the candidate should click on the 'SAVE & NEXT' button to save his answer and proceed to the next question. Note that without clicking on 'Save & Next' button the answer selected for a question will not be saved.
- 10. In case a candidate does not wish to attempt the question then he/ she should not click on any option for that question. A candidate can choose to deselect his/her answer for a particular question by clicking on the 'CLEAR RESPONSE' button provided against each question.
- 11. In case a candidate wants to skip a particular question and return to it later before submitting his/her test or a candidate 'clicks' (selects) an answer for a particular question but wishes to review it later, he/she may note down the question number on the sheet provided.

In such cases the candidate may also click on the 'MARK FOR REVIEW & NEXT' button. In case an answer has been selected for a particular question which has been marked as 'MARK FOR REVIEW & NEXT', the answer marked will be taken for final evaluation.

- 12. The question numbers of attempted and unattempted questions are also shown to the right of the screen. A candidate can then click on any of the question numbers to view the question, in order to attempt/ revise his/her answer to the question.
- 13. The Question Palette displayed on the right side of screen will show the status of each question using one of the following symbols:
 - You have not visited the question yet.

 You have not answered the question.

 You have answered the question.

 You have NOT answered the question, but have marked the question for review.

The Marked for Review status for a question simply indicates that you would like to look at that question again. If a question is answered and Marked for Review, your answer for that question will be considered in the evaluation.

The question(s) "Answered and Marked for Review" will be considered for evaluation.

- 14. Candidates are not permitted to submit their answers before the entire test time.
- 15. A candidate can navigate between questions within test by clicking on the question number displayed to the right of the screen.
- 16. When a candidate clicks on a particular question, it takes some time for the question to appear. The time lost is not deducted from the total time allotted for the test.
- 17. Under no circumstances should a candidate click on any of the 'keyboard keys' once the exam starts as this will lock the exam.

About the Submission

- 1. Candidates are not permitted to submit their answers before the entire test time is over.
- 2. A candidate can only change his/ her answer before clicking the 'Submit' button.
- 3. After the expiry of the exam duration, candidates will not be able to attempt any question or check their answers. A candidate's answers would be automatically saved by the computer system even if he has not clicked the 'Submit' button.
