

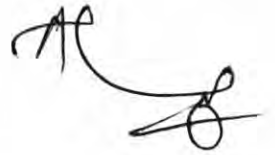
First Year Higher Secondary Examination March 2017
Computer Application (Humanities)

Code No: 651

Qn. No.	Answer key / Value points	Split Score	Total
1	d) Unicode		1
2	b) Accumulator		1
3	a) ROM		1
4	b) Window --> Freeze		1
5	MIN		1
6	c) Slide sorter view		1
7	b) Magic Wand /Fuzzy Select		1
8	b)White Color		1
9	a) WAN		1
10	b) Gateway		1
11	b) Cookie		1
12	Any two of (e-book,e-text, online chat, e-content, educational TV Channels)		1
13	Any two valid points(1 Score each)		2
14	a) Input devices :- OMR,Joystick, Microphone	1	2 scores
	b) Output devices : Plotter,LCD, DMP	1	
	Input device, Output devices only	1	
15	Count of Numbers ≥ 40 in the given range	2	2 scores
16	Any point related to slide changes during Presentation OR	2	2 scores
	Any 2 examples(fly from ,fade in, fade out etc.)	2	
17	Creating different images, effects at different levels, easy editing (Any 2 points) OR	2	2 scores
	Blur filter is used to soften/blur an image (1 score)		
	Types of blur: Simple Blur, Gaussian Blur, Motion Blur, Pixelize, Selective Gaussian Blur (Any two)	2	
18	Address of NIC/Media Access Control Address / Format (MM:MM:MM:SS:SS:SS) / 12 digit hexadecimal address (Any one point)	2	2 scores
19	Any valid point of Li-Fi and Phishing(1 Score each)	2	2scores
20	Definition	1	3 scores
	Any 2 Characteristics	2	
21	Any valid point on language processor	1	3 scores
	Any 2 names (Compiler, interpreter, assembler)	2	
22	Defintion (cell reference - address of a cell , eg: A3)	1	3 scores
	Absolute reference (reference remains constant when copied, eg: \$A\$3)	1	
	Relative reference (reference changes / adjusts when copied. Eg A3)	1	
	OR		
	It is used to filter / hides some data. / Condition is tested for equality Steps: Select Data->Filter-> AutoFilter	1x3 2	

23	Any point related to action/interaction in Power Point(select slide,draw rectangle,right click and interaction)	3	3 scores
24	Raster: - Pixel based, quality decreases when scaled, displays any colour, large files, used in web and print, eg: Photoshop, GIMP (Any 3 points)	1.5	3 scores
	Vector: images created mathematically using formula, quality remains same when scaled, do not permit colour editing, small files, converted to raster images before used in web and print, eg: Adobe Illustrator, Corel Draw (Any 3 points)	1.5	
25	Path tool is used to create shapes and paths / select a portion of image	2	3 scores
	Select Text tool, Type text,Draw path using Path Tool, Select Layer->Text along Path (any 1 point)	1	
26	Social media - advantages	1.5	3 scores
	Social media - disadvantages	1.5	
27	Definition of e-governance	1	3 scores
	Benefits	1	
	Challenges	1	
	OR Any 3 valid points on e-governance	3	
28	a) Explanation of any 5 communication media	1 x5	5 score
	labelled diagram only	1 x5	
	Listing only (any five)	2.5	
	OR		
	b) Explanation of 4 topologies	1 _{1/4} x 4	
	labelled diagram only	1 each	
29	Listing only	1/2 each	5 score
	Use of Chart(used to represent data in graphical form)	1 score	
	Chart elements (Chart area, Chart title, X- Axis, Y-Axis,X- Axis title, Y-Axis Title, Data Labels , Legends) Any four points	1/2 each	
	OR		
	Any 4 Chart types (Column chart, line chart, Bar chart, Pie Chart) with Diagrams/explanations	1 each	
Total			60

1. Aboobacker. P
Govt GHSS,
Chalappuram, Kozhikode.



2. Bobby Puthakaden
St Thomas HSS Thrissur-5



3. Sijin. L,
SN HSS Poochakkal
Chithalur.



4. Nikhil Ravendran
Mayyazad H.S.S, Kollam



5. Noushed. M.K
GHSS Edakkara, Malappuram



6. Manoj Mathew
St Mary's HSS Pattom

7. Leena Babu
St. Teresa's HSS, Vazhappally,
Kottayam.



8. Renu Ryojoplam
NSS HSS Akalathalam.
Polekkal



9. Bindu George
St Ignatius HSS
Kanyaramattom



FIRST YEAR HIGHER SECONDARY EXAMINATION, MARCH 2017
(Scheme of Valuation)

Subject : Computer Application (Commerce)

Code No. 652

Qn. No.	Scoring Indicators	Split Score	Total Score
1	c) information	1	1
2	b) Universal Serial Bus	1	1
3	Translation / Compilation / Compiler / Interpreter / Assembler	1	1
4	c) Face book	1	1
5	Business Process Outsourcing	1	1
6	c) do while loop	1	1
7	Hyper Text Transfer Protocol	1	1
8	Integrated Development Environment	1	1
9	cin >> X >> Y;	1	1
10	Start and Stop	$\frac{1}{2} + \frac{1}{2}$	1
11	NIC / MODEM	1	1
12	One line definition / explanation for the terms hardware and software One example for each.	1 + 1 $\frac{1}{2} + \frac{1}{2}$	3
13(a)	10.75 (Integer part – 1 score, Fractional part – 1 score (If procedure is correct without final answer, give 1 score only)	1 + 1	2
13(b)	1E ₁₆ , 20 ₁₆	$\frac{1}{2} + \frac{1}{2}$	1
14	a) 5 b) -1 (-1.66) c) -2 (Invalid) d) 2	$\frac{1}{2} \times 4$	2
OR	a) Assignment operation (50 is stored in Length).	1	2
14	b) Comparison or equality operation (Length is equal to 50 or not).	1	
15	Hard Disk, RAM, Cache, Registers (Even though the answer is in descending order, give full score) (If the answer is partially correct, give 1 score)	2	2
16	(i) Problem Identification, (ii) Algorithms & Flowcharts, (iii) Program coding, (iv) Translation (Compilation), (v) Debugging, (vi) Execution and (vii) Documentation. (Give full score, if any 6 stages are written)	$\frac{1}{2} \times 6$	3
17	a) Valid b) Valid c) Invalid (Space is used) d) Invalid (First character is a digit) (If reason is not specified or incorrect, reduce $\frac{1}{2}$ score from each invalid)	1 + 1 1 + 1	4
18	Roll_Number: int Age: int Sex: char Mob_Number: long int / double Height_In_Cm : float Pincode: int / long int / double	$\frac{1}{2} \times 6$	3
19	a) False (Depends on problem and output). b) True c) False (Exit-controlled loop. / Condition is checked only after executing the loop body) d) True (If reason is not specified or incorrect, reduce $\frac{1}{2}$ score from each False case)	1 1 1 1	4

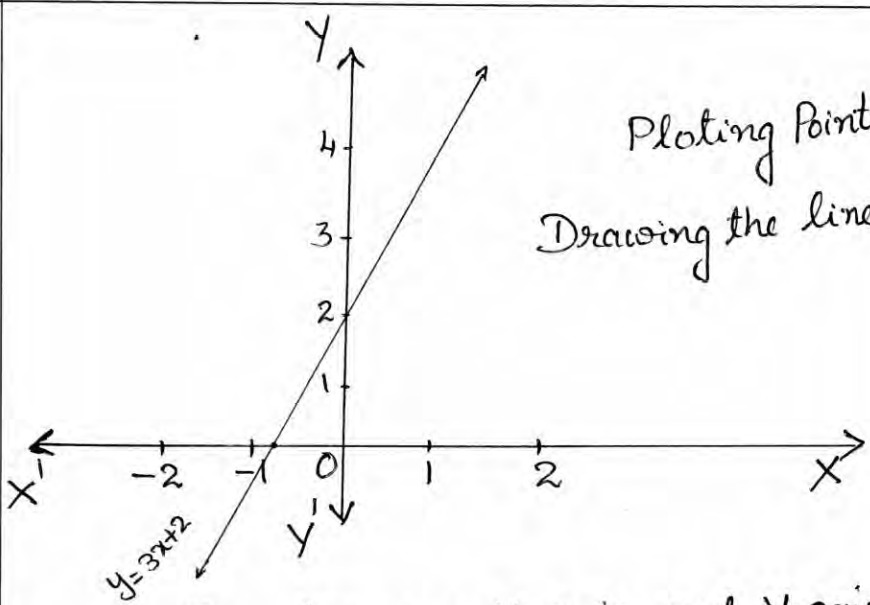
20	a) Network protocol – http b) Domain name – dhsekerala.gov.in c) File name – index.html					1 1 + 1	3																				
21	Any three value points related to WAN and LAN. Full forms and examples may be treated as value points.					1½ 1½	3																				
22	-3 (If error is reported in the case of variables, give full score) (Give score accordingly for proper steps, if final answer is wrong.)					3	3																				
OR 22	(a) Character constant ‘M’ is stored. (b) String constant. (If (a) is written correctly, give 3 score since (b) is out of syllabus)					1½ 1½	3																				
23	(i) Modem, (ii) Internet account from an ISP (iii) any other required component					1 + 1 1	3																				
24	Any three value points covering advantage and disadvantage.					1 x 3	3																				
25	<table border="1"><thead><tr><th>Feature</th><th>DMP</th><th>Inkjet</th><th>Laser</th><th>Thermal</th></tr></thead><tbody><tr><td>Speed</td><td>Slowest (30 - 550 cps)</td><td>Fast (6 ppm)</td><td>Fastest (20 ppm)</td><td>150 mm per sec</td></tr><tr><td>Quality</td><td>Poor quality images</td><td>Good</td><td>Best</td><td>Poor quality images</td></tr><tr><td>Expense</td><td>Lesser maintenance cost</td><td>Ink is expensive</td><td>Device and Toner are expensive</td><td>Low cost</td></tr></tbody></table> (Give score with reference to this table)					Feature	DMP	Inkjet	Laser	Thermal	Speed	Slowest (30 - 550 cps)	Fast (6 ppm)	Fastest (20 ppm)	150 mm per sec	Quality	Poor quality images	Good	Best	Poor quality images	Expense	Lesser maintenance cost	Ink is expensive	Device and Toner are expensive	Low cost	5	5
Feature	DMP	Inkjet	Laser	Thermal																							
Speed	Slowest (30 - 550 cps)	Fast (6 ppm)	Fastest (20 ppm)	150 mm per sec																							
Quality	Poor quality images	Good	Best	Poor quality images																							
Expense	Lesser maintenance cost	Ink is expensive	Device and Toner are expensive	Low cost																							
26	Program structure Variable declaration Correct logic Usage of Input Output statements					1 1 2 1	5																				
OR 26	Program structure Variable declaration Correct logic Usage of Input Output statements					1 1 2 1	5																				

- JOY JOHN, ST.JOSEPH'S HSS, TRIVANDRUM
- THARIAN KUNJU, S.M HSS, PATHARAM, KOLLAM
- SIBY VARGHESE, S C HSS, CHELLAKADU, PATHANMTHITTA
- BINU. K. SAMUEL, POPE PIOUS XI HSS, BHARANIKKAVU, ALLAPPUZHA
- P.S JAEMON, C.KESAVAN MHSS, KORUTHODE, KOTTAYAM
- THOMAS T PALAKADEN, ST SEBASTIAN'S HSS, VAZHITHALA, THODUPUZHA
- BINU JOSEPH, ST. IGNATIUS HSS, KANJIRAMATTOM, ERNAKULAM
- SHAJAN JOS N, ST JOSEPH'S HSS, PAVARATTY, THRISSUR
- SIVARAMAKRISHNAN, NADUVANNUR HSS, VAKAYAD, KOZHICKODE
- ABDUL JALEEL, MSM HSS, KALLINGALPARAMBA, MALAPPURAM
- JINO VARGHESE, SN HSS, POOTHADI, WAYANAD
- SUNNY THOMAS, MATTANNUR HSS, MATTANNUR, KANNUR
- GOPI M, CHATTANCHAL HSS, THEKKIL, KASARGODE

FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2017

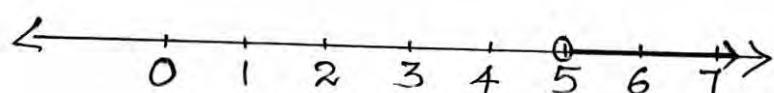
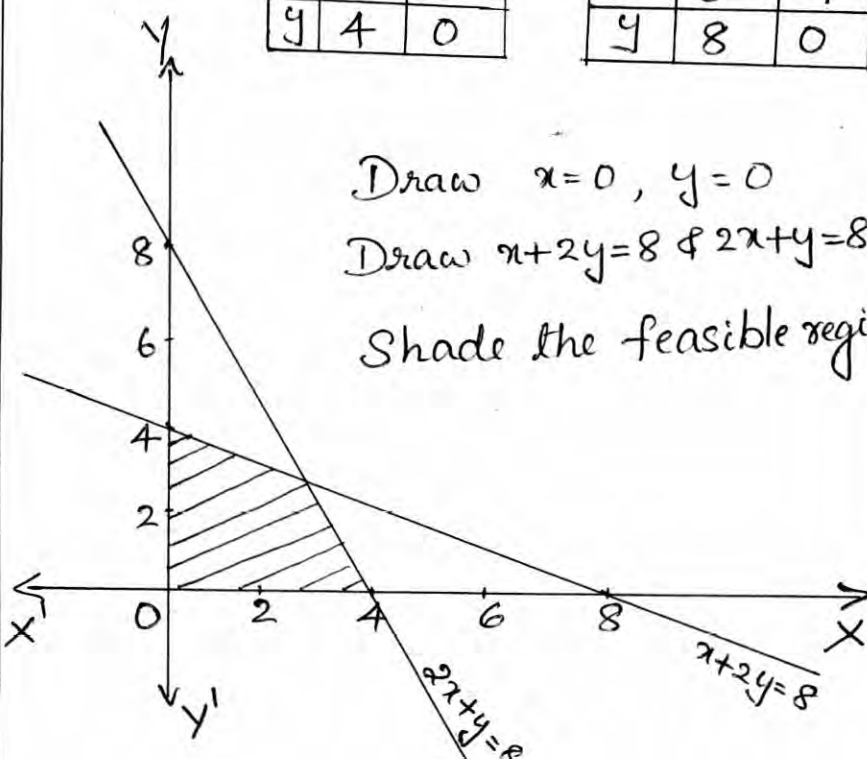
SUBJECT : MATHEMATICS (COMMERCE)

CODE. NO: 653

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
1.	a)	iv) $\{4\}$	1	6
	b)	$A - B = \{1, 2, 3\}$ $A' = \{5, 6, 7, 8, 9\}$	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	
	c)	$B' = \{1, 2, 3, 8, 9\}$ $A \cap B' = \{1, 2, 3\}$ $A - B = A \cap B'$	$\left. \begin{matrix} 1 \\ 1 \\ 1 \end{matrix} \right\} 3$	
2.	a)	iv) $R = \{(1, 3), (1, 5), (2, 3), (2, 5), (3, 5)\}$	1	5
	b)	Domain = $\{1, 2, 3\}$ Range = $\{3, 5\}$	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	
	c)	 Plotting Points Drawing the line Remark: For drawing X-axis and Y-axis give $\frac{1}{2}$ score.	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	

1/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total										
3	a)	<table><tr><th>A</th><th>B</th></tr><tr><td>a) $\sin(\pi+x)$</td><td>$-\sin x$</td></tr><tr><td>b) $\sin(\frac{\pi}{2}+x)$</td><td>$\cos x$</td></tr><tr><td>c) $\cos(\frac{\pi}{2}-x)$</td><td>$\sin x$</td></tr><tr><td>d) $\sin(\frac{3\pi}{2}+x)$</td><td>$-\cos x$</td></tr></table>	A	B	a) $\sin(\pi+x)$	$-\sin x$	b) $\sin(\frac{\pi}{2}+x)$	$\cos x$	c) $\cos(\frac{\pi}{2}-x)$	$\sin x$	d) $\sin(\frac{3\pi}{2}+x)$	$-\cos x$	1 1 1 1 } 4	5
A	B													
a) $\sin(\pi+x)$	$-\sin x$													
b) $\sin(\frac{\pi}{2}+x)$	$\cos x$													
c) $\cos(\frac{\pi}{2}-x)$	$\sin x$													
d) $\sin(\frac{3\pi}{2}+x)$	$-\cos x$													
	b)	ii) 2 nd quadrant	1											
4		$P(1): 1=1^2 \Rightarrow P(1)$ is true $P(k): 1+3+5+\dots+(2k-1)=k^2$ $P(k+1): 1+3+\dots+(2k-1)+(2k+1)=k^2+2k+1$ $= (k+1)^2 \Rightarrow P(k+1)$ is true Thus by PMI, $P(n)$ is true for all $n \in \mathbb{N}$	1 1 1 1 } 4	4										
5	a)	iii) $\frac{1-i}{2}$	1											
	b)	$1+i = r(\cos\theta + i\sin\theta)$ $r\cos\theta = 1$ & $r\sin\theta = 1$ $r^2 = 2 \Rightarrow r = \sqrt{2}$ $\tan\theta = 1 \Rightarrow \theta = \frac{\pi}{4}$ $\therefore 1+i = \sqrt{2}(\cos\frac{\pi}{4} + i\sin\frac{\pi}{4})$	1 1 1 } 3											

Qn No	Sub Qns	Answer Key/Value Points	Score	Total											
	c)	$x = \frac{2 \pm \sqrt{(-2)^2 - 4 \times 1 \times 2}}{2 \times 1} = \frac{2 \pm 2i}{2} = 1 \pm i$ Remark: For the formula $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ give $\frac{1}{2}$ score	1	5											
6	a)	i) $(5, \infty)$	1												
	b)	 Remark: For drawing number line give $\frac{1}{2}$ score.	1	5											
	c)	<table> <caption>$x+2y=8$</caption> <tr><td>x</td><td>0</td><td>8</td></tr> <tr><td>y</td><td>4</td><td>0</td></tr> </table> <table> <caption>$2x+y=8$</caption> <tr><td>x</td><td>0</td><td>4</td></tr> <tr><td>y</td><td>8</td><td>0</td></tr> </table>  Draw $x=0, y=0$ Draw $x+2y=8$ & $2x+y=8$ Shade the feasible region $\left. \begin{matrix} 1 \\ 1 \\ 1 \end{matrix} \right\} 3$	x		0	8	y	4	0	x	0	4	y	8	0
x	0	8													
y	4	0													
x	0	4													
y	8	0													

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
7	a)	ii) $15C_2$	1	6
	b)	$2 \cdot \frac{n!}{(n-3)!} = \frac{(n+1)!}{(n+1-3)!}$ $\Rightarrow 2(n-2) = n+1 \Rightarrow n=5$ Remark: For the formula for nPr give one score	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	
	c)	$6 \times 6 = 36$ No. of digits used in unit place = 3 No. of digits used in 10^{th} place = 6 $\therefore$ Total no. of 2 digit even numbers formed = $3 \times 6 = 18$	$\left. \begin{matrix} 1 \\ \frac{1}{2} \\ \frac{1}{2} \end{matrix} \right\} 2$	
		OR		
	a)	iii) 22	1	
	b)	Triangles cannot be formed by the line segments (2, 3, 5), (2, 4, 6), (2, 3, 6) - Since the sum of two sides of a triangle is always greater than the 3rd side $\therefore$ No. of triangles formed = $5C_3 - 3$ $= 10 - 3$ $= 7$ Remark: for writing $5C_3$ give (1½) score	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	

4/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
	c)	$12C_3 = 220$ $12C_3 - 7C_3$ $= 220 - 35 = 185$ Remark: for writing answer $12C_3$ or $7C_3$ give one score	$\left. \begin{matrix} 1 \\ 1 \\ 1 \end{matrix} \right\} 2$	6
8	a)	iii) 23 rd term	1	4
	b)	$t_{21} = 44C_{20} x^{20}$ $t_{22} = 44C_{21} x^{21}$ $t_{21} = t_{22} \Rightarrow \frac{44C_{20}}{44C_{21}} = x$ $\Rightarrow x = \frac{21}{24}$ $= \frac{7}{8}$	$\left. \begin{matrix} 1 \\ 1 \\ 1 \end{matrix} \right\} 3$	
9	a)	iv) $P+q-r$	1	
	b)	$a+ax+ax^2+\dots = 5(a+ax^2+ax^4+\dots)$ $\frac{a}{1-x} = 5 \times \frac{a}{1-x^2}$ $\Rightarrow x = 4$ Remark: for any correct formula for sum of finite or infinite terms give one score	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	

5/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
	c)	$5(a+4d) = 8(a+7d)$ $\Rightarrow 3a + 36d = 0$ $\Rightarrow a + 12d = 0$ $\Rightarrow a_{13} = 0$ Remark: for writing formula for or 8 th term give one score	$\left. \begin{matrix} 1 \\ 2 \\ 1 \end{matrix} \right\} 2$ 5 th term	5
	a)	iii) $2(d-c)$ OR	1	
	b)	$ax^9 = 9$ $ax^3 = 4$ $\frac{ax^9}{ax^3} = \frac{9}{4}$ $a_7 = 6$ Remark: For any correct alternative method give full score	$\left. \begin{matrix} \frac{1}{2} \\ \frac{1}{2} \\ \frac{1}{2} \\ \frac{1}{2} \end{matrix} \right\} 2$	5
	c)	$a + 6d = 40$ $S_{13} = \frac{13}{2} [2a + 12d] = 13(a + 6d)$ $= 13 \times 40 = 520$ Remark: For formula for sum of an A.P give $\frac{1}{2}$ score	$\left. \begin{matrix} 1 \\ 2 \\ 1 \end{matrix} \right\} 2$	

6/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
10	a)	i) $-\frac{11}{7}$	1	5
	b)	Equation to any line $\perp$ to $3x+y=3$ is $x-3y=k$. Since it passes through $(2,2)$ $2-6=k \Rightarrow k=-4$ Equation of required line is $x-3y+4=0$ Remark: For any correct alternative method give full score	1 1 1 } 2	
	c)	$3x+4y=5 \Rightarrow \frac{x}{(5/3)} + \frac{y}{(5/4)} = 1$ x intercept $= 5/3$ y intercept $= 5/4$	1 1 1 } 2	
		OR		
	a)	iv) $ y $	1	
	b)	Point of intersection is $(0,0)$ Equation of the line is $\frac{x-0}{2-0} = \frac{y-0}{3-0} \Rightarrow 3x-2y=0$ Remark: For any correct alternative method give full score	1 1 1 } 2	

7/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
	c)	Equation to any line parallel to $3x-2y=0$ is $3x-2y+K=0$ Since it passes through $(1,1)$, $K=-1$ Equation of the line is $3x-2y-1=0$	1 2 1	5
11	a)	$x^2+y^2-6x-4y-30=0$ $\Rightarrow (x-3)^2+(y-2)^2=16$ $\Rightarrow \text{centre} = (3,2)$ Equation of the required circle is $(x-3)^2+(y-2)^2=5^2$ Remark: Formula for equation of a circle give one score	$1\frac{1}{2}$ $\frac{1}{2}$	4
	b)	Equation of Parabola, $x^2=4ay$ Since it passes through $(6,-3)$ $36 = -4a \times 3 \Rightarrow a = -3$ Equation of Parabola is $x^2 = -12y$	1 $\frac{1}{2}$ $\frac{1}{2}$	2
	a)	OR $a=4$ $b=2\sqrt{3}$ or $\sqrt{12}$ $b^2 = a^2(1-e^2) \Rightarrow 12 = 16(1-e^2) \Rightarrow e = \frac{1}{2}$ Foci = $(\pm ae, 0) = (\pm 2, 0)$	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	2

8/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
	b)	$\frac{2b^2}{a} = 8 \Rightarrow 2b^2 = 8a \Rightarrow b^2 = 4a$ $\Rightarrow a^2(e^2 - 1) = 4a$ $\Rightarrow a^2\left(\frac{9}{5} - 1\right) = 4a$ $\Rightarrow a = 5$ $b^2 = 4a = 4 \times 5 = 20$ Equation of hyperbola is $\frac{x^2}{25} - \frac{y^2}{20} = 1$	$\left. \begin{array}{l} 1 \\ \frac{1}{2} \\ \frac{1}{2} \end{array} \right\} 2$	4
12	a)	iii) $(-5, -4, -5)$	1	3
	b)	In XOZ plane, $y=0$ $\therefore \frac{3\lambda - 1}{\lambda + 1} = 0 \Rightarrow \lambda = \frac{1}{3}$ Remark: For section formula give one score	$\left. \begin{array}{l} 1 \\ 1 \end{array} \right\} 2$	
13	a)	$\frac{dy}{dx} = 3x^2 - 2x$	1	
	b)	$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$ $= \lim_{h \rightarrow 0} \frac{\sin(x+h) - \sin x}{h}$	$\left. \begin{array}{l} 1 \\ 1 \end{array} \right\}$	

9/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
		$= \lim_{h \rightarrow 0} \frac{2 \cos\left(x + \frac{h}{2}\right) \sin\left(\frac{h}{2}\right)}{h}$ $= \lim_{h \rightarrow 0} \cos\left(x + \frac{h}{2}\right) \lim_{h \rightarrow 0} \frac{\sin\left(\frac{h}{2}\right)}{\left(\frac{h}{2}\right)}$ $= \cos x$ Remark: For direct answer give $\frac{1}{2}$ score.	$\frac{1}{2}$ 3 $\frac{1}{2}$	4
14	a)	$\sqrt{5}$ is irrational 3 is rational	$\left. \begin{matrix} 1 \\ 1 \end{matrix} \right\} 2$	4
	b)	Let $\sqrt{2} = \frac{p}{q}$ where p and q have no common factors $p^2 = 2q^2 \Rightarrow p \text{ is even}$ $p = 2x \Rightarrow 4x^2 = 2q^2 \Rightarrow q^2 = 2x^2 \Rightarrow q \text{ is even}$ Thus p & q have a common factor 2. This is a contradiction $\therefore \sqrt{2}$ is irrational.	$\left. \begin{matrix} 1 \\ 2 \\ 1 \end{matrix} \right\} 4$	
15	a)	Arrange the numbers in ascending order 40, 54, 60, 68, 78	1	

10/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
		Median = 60	1	2
	b)	$M.D = \frac{1}{5} [140-60 + 160-60 + 168-60 + 178-60 + 154-60]$ $= \frac{20+0+8+18+6}{5}$ $= \frac{52}{5} = 10.4$	1 1 1	
16	a)	$A.M = \frac{2+4+6+8+10}{5} = \frac{30}{5} = 6$	1	4
	b)	$\text{Variance} = \frac{1}{5} [(2-6)^2 + (4-6)^2 + (6-6)^2 + (8-6)^2 + (10-6)^2]$ $= \frac{16+4+0+4+16}{5} = \frac{40}{5} = 8$ $S.D = \sqrt{8} = 2\sqrt{2}$ Remark: For formula of variance or S.D give one score	1 1 1	
17	a)	iv) 0	1	
	b) i)	{HHH, HHT, HTH, THH, TTH, THT, HTT, TTT}	1	
	ii)	$P(E_1) = \frac{6}{8} = \frac{3}{4}$	1	

11/12

Qn No	Sub Qns	Answer Key/Value Points	Score	Total
		$P(E_2) = \frac{4}{8} = \frac{1}{2}$ $P(E_3) = \frac{7}{8}$ $P(E_1') = 1 - P(E_1)$ $= 1 - \frac{6}{8} = \frac{2}{8} = \frac{1}{4}$	 1 1 $\frac{1}{2}$ $\frac{1}{2}$	46

12/12

1. Manjer.P.C Nanjur
2. J. John Victor Samy
3. Hareesh.S Hareesh
4. Sreeja.D S
5. George.K.A George
6. Muraleekrishnam. P.E Mr

Answer Key

FIRST YEAR HIGHER SECONDARY IMP EXAMINATION, SEPTEMBER 2017
(Finalised Scheme of Valuation)

2017

Code No 646

Subject: ~~English - Part A~~ Sanskrit - Sashtra

Code No: 217 Part A

Qn.No	Scoring Indicators 'क' विभागः	Split Score	Total Score
1.	लोप इति लेखनाय ङकः अङ्कः ।	1	1
2.	'ङचोऽथवायावः' इति लेखनाय ङकः अङ्कः ।	1	1
3.	"धातवः" इति लेखनाय ङकः अङ्कः ।	1	1
4.	"परसवर्णः" इति लेखनाय ङकः अङ्कः ।	1	1
5.	"चिञ्मयम्" इति लेखनाय ङकः अङ्कः ।	1	1
6.	"पश्म्" इति लेखनाय ङकः अङ्कः ।	1	1
7.	"अह्रह" इति लेखनाय ङकः अङ्कः ।	1	1
8.	"प्रथमा" इति लेखनाय ङकः अङ्कः ।	1	1
9.	"इको णायि", अनयि च, 'इलांजडा आडी' इति लेखने ङकैकस्य ङकैकः अङ्कः ।	1+1+1	3
10.	"अदेङ्गुणः", ष्टद्विरादैच इति लेखने ङकैकस्य ङकैकः अङ्कः ।	1+1	2
11.	ङकस्य सूत्रस्य अर्थलेखने उदाहरण लेखने च अङ्कतयम् । स्तोः अचुना योगे अचुः स्यात् । रामाश्चिनोति । सार्व्वित् ।	3	3
12.	उदः स्थास्तम्भोः पूर्वस्य, अरो अरि स्वर्णे, श्वरि च इति लेखने ङकैकस्य ङकैकोऽङ्कः ।	1+1+1	3

Subject:

Code No:

Qn.No	Scoring Indicators	Split Score	Total Score
13.	"ससज्जुषोरुः", अतोरोरन्नुतादन्नुते, आद्गुणः, ङाङ्पदान्तादाते इति लेखने ऽर्कः अङ्कः ५।	1+1+1+1	4
14.	"द्वितीया, सप्तमि, पञ्चमि, चतुर्थी, तृतीया इति चतुर्विधं योजने ऽर्कः अङ्कः ५।	1+1+1+1+1	5
15.	"विश्वनाथ लेखनाय ऽर्कः अङ्कः १। उदाहरण लेखनाय ऽर्कः अङ्कः १।	1+1	2
16.	"त्रिविधः" इति लेखनाय ऽर्कः अङ्कः १। "औपबलेपिकः, अग्निष्वापकः, वैष्णविकः" इति लेखनाय ऽर्कः अङ्कः १।	1+1	2
17.	"अ इ उ ण् ... इत्यादि चतुर्दश साहेब्वरसूत लेखनाय पञ्च अङ्कः ५। ऽर्कः अङ्कः १। हार लेखनाय ऽर्कः अङ्कः १। स्व विभागः	5+1+1+1	8
18.	'सप्त' इति लेखनाय ऽर्कः अङ्कः १।	1	1
19.	"तन्तुसंयोगः" इति लेखनाय ऽर्कः अङ्कः १।	1	1
20.	"द्विविधम्" इति लेखनाय ऽर्कः अङ्कः १।	1	1
21.	"अनुमिति" इति लेखनाय ऽर्कः अङ्कः १।	1	1
22.	"उपमिति" इति लेखनाय ऽर्कः अङ्कः १।	1	1

Subject:

Code No:

Qn.No	Scoring Indicators	Split Score	Total Score
23.	"शब्दम्" इति लेखनाय ङाकः अङ्कः ।	1	1
24.	"लिविधम्" इति लेखनाय ङाकः अङ्कः ।	1	1
25.	"प्रागभावः" इति लेखनाय ङाकः अङ्कः ।	1	1
26.	उत्क्षेपण, अपक्षेपण, आवकुञ्जन, प्रसारण- गमनानि पञ्चवर्गीणि इति लेखने अङ्कतयम् ।	3	3
27.	[क] स्पृशः [ख] संयोगः [ग] घ्राणः इति - क्रमशः लेखने अङ्कतयम् ।	3	3
28.	[क] करणम् - असाधारणं कारणम् । [ख] कारणम् - कार्यनियतपूर्ववृत्ति । [ग] कार्यम् - प्रागभाव प्रातिपदिके । इति लेखने अङ्कतयम् ।	3	3
29.	संयोगः, संयुक्तसमवायः, संयुक्तसमवेत- समवायः, समवायः, समवेतसमवायः, विशेषणविशेष्यभावः इति लेखने उदाहरणलेखने च पञ्च अङ्काः ।	5	5
30.	संघातिचार, विशुद्ध, सत्प्रातिपक्ष, अशुद्ध, बाधिताः इति लेखने उदाहरण- लेखने च चत्वारः अङ्काः ।	4	4

Subject:

Code No:

Qn.No	Scoring Indicators	Split Score	Total Score
31.	दुःखम् - प्रतिष्कूलवेदनीयम् । धर्मः - विहितकर्मजन्यः । सुखम् - अनुकूलवेदनीयम् । अधर्मः - निषिद्धकर्मजन्यः । प्रयत्नः - कृतिः । इति लेश्वने पञ्च अङ्काः ।	1+1+1+1+1	5
32.	चलनात्मकं कर्मम् इति लेश्वने एकः अङ्कः ।	1	1
33.	पृथिवी आपः तेजः वायुः इत्यादिषु द्वे अधिकृत्य विशदीकरणलेश्वनाय अष्ट अङ्काः ।	4+4	8



HSE I M' 2017 Sanskrit Sahitya

Code No: 645

Answer Key			
Sl. No.	Value Points	Split Score	Total
1	(क) तथा + एव। (ख) हुतं च दत्तं च तथैव तिष्ठति । (ग) सामान्याशय लेखनाय पूर्णाङ्काः।	1+2+3	6
2	सामान्याशय लेखनाय पूर्णाङ्काः।	4	4
3	उचित पदानां उपयोगाय एकैकाङ्कः।	4	4
4	नाहं विद्यां विफलां करोमि। तर्हि प्रतीक्षस्व क्षणं यावदहं वृक्षमारोहामि। किमपि एकस्य वाक्यस्य लेखने पूर्णाङ्काः।	2	2
5	विष्णु शर्मा	1	1
6	बुद्धिः	1	1
7	श्लोकस्य चयनाय। आशयलेखनाय। उचित विवरणाय।	1 2 3	6
8	एकस्य चयनाय। सामान्य लेखनाय	1 4	5
9	प्रत्येकस्य समधानाय प्रत्येकाङ्काः।	1+1+1+1+1	5
10	मेल्यत्तूरु नारयणभट्टपादाः। नारायणीयम्। कुलशेखरः। तपतीसंवरणम्। डा. के. एन्. एषुत्तच्छन्। केरलोदयम्। डा. पि. के. नारायणपिल्ला। धर्मसागरः।	1+1+1+1	4
11	दूतवाक्यम्। दूतघटोत्कचम्। कर्णभारम्। मध्यमव्यायोगम्।	1+1+1+1	4
12	प्रदेशिकभाषायां सामान्य संभाषण लेखनाय सम्पूर्णाङ्काः।	5	5
13	अवतीर्णः भूलोकं प्राप्तः आलोकः प्रकाशः दारकः पुत्रः शशाङ्कः चन्द्रः	1+1+1+1	4



14	गद्यक्रमपूर्णाय चतुरङ्काः।	4	4
15	आमुख लेखनाय आशय लेखनाय स्वमत लेखनाय	1+2+2	5
16	सूचनानुसारः तथा आशयपूर्णतया च लेखनाय संपूर्णाङ्काः।	5+3	8
17	वायुः।	1	1
18	वसुदेवः।	1	1
19	प्रतीपालङ्कारः - त्वल्लोचनसमं पद्मं त्वद्वक्त्रसदृशो विधुः। अर्थान्तरन्यासालङ्कारः - हनूमानब्धिमतरदुष्करं किं महात्मनाम्। दीपकालङ्कारः - मदेन भाति कलभः प्रतापेन् महीपतिः। स्वभावोक्त्यालङ्कारः - कुरङ्गाक्षैस्तब्धकर्णैरुदीक्ष्यते।	1+1+1+1	4
20	इव।	1	1
21	यदि तौ जगौ गः। इन्द्रवज्रा। जतजास्ततो गौ। उपेन्द्रवज्रा। नभौ भरौ। द्रुतविलम्बितम्। तभजा जगौ गः। वसन्ततिलका।	1+1+1+1	4
22	तगणः।	1	1



1/2

HSE I
M' 2017
Urdu (Optional)
Code No: 642

Answer key / Value point

Total	Score	Answer key / Value point	Qus. No
۲	۲	ایک شعر	۱
۵	۲	موضوع پر جان کاری	۲
	۲	تسلسل اور ترتیب	
	۱	انداز بیان	
۶	۲	موضوع پر جان کاری	۳
	۱	تسلسل اور ترتیب	
	۱	انداز بیان	
	۲	تخیل اور خیالات کی جامعیت	
۱	۱	ن م راشد	۴
۶	۲	موضوع پر جان کاری	۵
	۲	تسلسل اور ترتیب	
	۲	انداز بیان	
۵	۲	موضوع پر جان کاری	۶
	۲	تسلسل اور ترتیب	
	۱	انداز بیان	
۲	۲	ماہ رو	۷
۶	۲	تخیل اور خیالات کی جامعیت	۸
	۲	انداز بیان	
	۲	تسلسل اور ترتیب	
۵	۲	تخیل اور خیالات کی جامعیت	۹
	۱	انداز بیان	
	۲	تسلسل اور ترتیب	
۵	۲	موضوع پر جان کاری	۱۰
	۲	تسلسل اور ترتیب	
	۱	انداز بیان	
۱	۱	فارسی	۱۱
۶	۲	موضوع پر جان کاری	۱۲
	۲	تسلسل اور ترتیب	
	۱	انداز بیان	
	۱	تخیل اور خیالات کی جامعیت	
۱	۱	ایک رباعی گو شاعر	۱۳



۵	۲ ۲ ۱	موضوع پر جان کاری تسلسل اور ترتیب انداز بیان	۱۳
۵	۲ ۲ ۱	موضوع پر جان کاری تسلسل اور ترتیب انداز بیان	۱۵
۴	۱ ۱ ۱ ۱	روشنی - پریم چند غزل - ولی دینی مثنوی سحر الہیان - میر حسن قطعه - اختر انصاری	۱۶
۲	۲	ایک شعر	۱۷
۶	۲ ۲ ۲	موضوع پر جان کاری تخیل اور خیالات کی جامعیت انداز بیان	۱۸
۲	۱، ۱	دو شاعر	۱۹
۵	۲ ۲ ۱	موضوع پر جان کاری اظہار خیال خیالات کی جامعیت	۲۰

#1/2

Set I

Part III Music

Code No: 647



Qn. No.	Sub Qns	Answer Key / Value points	Score	Total
1.		Rabindra Sangeetham	1	1
2.		Sarisaji	1	1
3.		Venkata malhi	1	1
4.		Achala Svaras	1	1
5.		'O'	1	1
6.		Laghu jathis	1	1
7.		8	1	1
8.		Thanam	1	1
9.		Anumanasam, munasam, madhyam, Tharam, Athitharam		
10.		Structure of Samanya gitam Structure of Lakshana gitam Differences between them	1 1 2	4
11.		Definition of Chapu talas Angas and Aksharakala duration of misra chapu talas	1 3	4
12.		Definition of katapayadi formula chart used for kadapayadi sutra Inventing melas using the formula	1 2 1	4



Qn. No.	Sub Qns	Answer Key / Value points	Score	Total
13		Improvised music Important feature of concerts Five main branches of manodharma Sangeetha Ragalapana, Tanam, pallavi, Niraval, Kalpana Svaram.	1 1/2 1 1/2 2	5
14		Raga, tala and composers Signs and Symbols used for notation Svara part of the composition Shakalya part of the composition	1 1 2 1	5
15		Early life of purandara dasa Incident which changed his life His life as a Saint, composer and preacher His contribution, including choice of regional language Sangeetha pitamaham Systematisation of the pedagogy of Carnatic music His Salvation	1 2 1 1 2 1	8

D

QUESTION PAPER 1.

Page 1

German

Code No: 612



FIRST YEAR HIGHER SECONDARY EXAMINATION, MARCH / SEPTEMBER 20...!

Qn. No.	Sub Qns	Answer Key / Value points	Score	Total									
1		Hausaufgaben	1	4.									
2		Bibliothek	1										
3		Bücher	1										
4		Hotel	1										
5		Table	1	4.									
6		Family	1										
7		Frut	1										
8		Water	1										
9		Gut, danke!	2	6									
10		Ja, ich komme aus Indien.	2										
11		Was sind Sie von Beruf?	2										
12		heißt.	1	4									
13		lebt	1										
14		Schreibt	1										
15		liebe	1										
16		<table><tr><td>der</td><td>das</td><td>die</td></tr><tr><td>Füller</td><td>Land</td><td>Tasche</td></tr><tr><td>Sohn</td><td>Buch</td><td>Stadt</td></tr></table>	der	das	die	Füller	Land	Tasche	Sohn	Buch	Stadt	3.	3
der	das	die											
Füller	Land	Tasche											
Sohn	Buch	Stadt											
17		Meine Eltern <u>wohnen</u> in Trivandrum. Aber ich <u>bin</u> in München. Ich <u>arbeite</u> dort.	3	3									
18.		Arzt z <u>Ingenieur</u> Ingenieur Kaufmann Krankenschwester etc.	4	4.									

1/3



Qn. No.	Sub Qns	Answer Key / Value points	Score	Total
19	a. Falsch. b. Richtig. c. Richtig. d. Falsch.		1 1 1 1	4.
20	a. lernen b. Regen. c. trinken d. Salat.		1 1 1 1	4
21.	Es <u>war</u> eine Mutter, die hatte <u>vier</u> Kinder, den <u>Frühling</u> , den <u>Sommer</u> , den Herbst, <u>und</u> den Winter.		1 1 1 1	4.
22	a. denn b. aber c. und d. oder		1 1 1 1	4.
23	E-Mail, language, grammar.		6	6
24	Theater Musik tanzen Singen. Essen.		1 1 1 1 1	5



Qn. No.	Sub Qns	Answer Key / Value points	Score	Total																																			
25.	a. Ich bin noch Studentin. b. Es geht ihr gut, danke! c. Ich schreibe die Prüfung. d. Ja, Ich trinke gern Tee.		1 1 1 1	4																																			
26.	a. Medizin b. macht. c. sehr d. es		1 1 1 1	4.																																			
27.	a. Onam ist das Nationalfest Keralas. b. Wir kochen viele Gerichte. c. Die ganze Familie ist zusammen. d. Man kann viele Sportarten sehen. e. Es ist eine tolle Zeit.		1 1 1 1 1	5																																			
28	<table border="1"> <tr> <th>Personalpronomen</th><th>machen</th><th>kommen</th><th>essen</th><th>haben</th></tr> <tr> <td>ich</td><td>mache</td><td>komme</td><td>esse</td><td>habe</td></tr> <tr> <td>du</td><td>machst</td><td>kommst</td><td>ißt</td><td>hast</td></tr> <tr> <td>er, er, sie</td><td>macht</td><td>kommt</td><td>ißt</td><td>hat</td></tr> <tr> <td>wir</td><td>machen</td><td>kommen</td><td>essen</td><td>haben</td></tr> <tr> <td>Sie, sie</td><td>machen</td><td>kommen</td><td>essen</td><td>haben</td></tr> <tr> <td>ihr</td><td>macht</td><td>kommt</td><td>eßt</td><td>habt</td></tr> </table>	Personalpronomen	machen	kommen	essen	haben	ich	mache	komme	esse	habe	du	machst	kommst	ißt	hast	er, er, sie	macht	kommt	ißt	hat	wir	machen	kommen	essen	haben	Sie, sie	machen	kommen	essen	haben	ihr	macht	kommt	eßt	habt		4	4
Personalpronomen	machen	kommen	essen	haben																																			
ich	mache	komme	esse	habe																																			
du	machst	kommst	ißt	hast																																			
er, er, sie	macht	kommt	ißt	hat																																			
wir	machen	kommen	essen	haben																																			
Sie, sie	machen	kommen	essen	haben																																			
ihr	macht	kommt	eßt	habt																																			
29.	A small write up on yourself. Free Composition. For each correct sentence 1 mark each. Quality of content 2 marks Style 1 mark.		8	8																																			